

BUILDING OPERATING MANAGEMENT'S
NFMT™ VEGAS

2014
EVENT
DIRECTORY

conference info **8** | exhibitors **30** | maps **46**

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- 46 Exhibit Hall
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Schedule

TUESDAY

- 8:00 – 11:50 a.m. Conference Sessions
- Noon – 4:00 p.m. Exhibit Hall Open
- 2:45 p.m. \$1,000 Prize Drawing
- 3:00 – 4:00 p.m. Networking Party
- 4:00 – 5:00 p.m. Solutions Exchange

WEDNESDAY

- 8:00 – 10:50 a.m. Conference Sessions
- 11:00 a.m. – 2:00 p.m. Exhibit Hall Open
- 1:45 p.m. \$1,000 Prize Drawing
- 2:10 – 4:00 p.m. Conference Sessions

Welcome to the 2014 NFMT Vegas Conference and Expo!

Striking a balance is sometimes easier said than done, but at this year's NFMT Vegas, I think you'll agree that we have reached equilibrium. From sessions that offer a high-octane blend of technology and strategy, to an expo hall brimming with proven technologies and innovative solutions, to networking events that offer a chance to connect with old friends and new colleagues, NFMT Vegas will keep you well grounded in the techniques and tactics for success.



Looking for some new ideas to deepen your roots in this industry? Larry Morgan presents "Sustainability: FM Practitioners Guide" on Tuesday morning. Next, join Teena Shouse for her session, "The Future FM Workforce: Build an Integrated

Talent Management Plan," at 10:00am. Later that day, a range of sessions focus on building automation, workforce strategies, emergency response and building enclosures. As Tuesday wraps up, be sure to attend the Opening Night Networking Party right in the exhibit hall at 3:00pm followed by the rapid-learning Solutions Exchange event at 4:00 p.m. (and just to prove we know how to mix business and pleasure, this exchange features cold beer!)

Kick off your Wednesday with the "Women in FM" panel, sponsored by Sodexo, back again this year on Wednesday morning at 8:30am. Hear what some of the high-level facilities managers have to say about women working in this industry and their own quest for life-work balance. Be sure to look through this directory for more education sessions such as the CMMS Panel—a great way to fully understand software and its potential for savings

A final note on balance: We'll be doing a balancing act of our own next year, as we head to new destination for NFMT: Orlando! We will return to Las Vegas in 2016 continuing to alternate between these two exciting, dynamic locations to give our participants the best of both worlds. Stay tuned for more details after this year's show!

I'm thrilled to offer a heartfelt thank you to all of the attendees, exhibitors, and speakers who are a part of NFMT Vegas 2014. We hope you achieve a little harmony of your own at the show this year and walk away with a collection of new information and ideas.

Best regards,

Wendy Dietzler
Vice President, Education & Conferencing
NFMT Vegas
wendy.dietzler@tradeexpress.com

Thank You to Our Sponsors



— BOOTH #413 —

SPONSOR OF
Opening Night Reception

BACnet International is an industry association that facilitates the successful use of the BACnet protocol in building automation and control systems through interoperability testing, educational programs, and promotional activities. The BACnet standard was developed by ASHRAE and has been made publicly available so that manufacturers can create interoperable systems of products.

<http://www.bacnetinternational.org>



QUALITY OF LIFE SERVICES

— BOOTH #523 —

SPONSOR OF
Women in Facilities Management Breakfast

Sodexo increases our client's competitiveness by delivering innovative workplace solutions that improve the building environment, increase employee engagement, and enhance workplace and organizational effectiveness. Ultimately, our commitment to Quality of Daily Life delivers tangible business outcomes and shareholder value at all levels of the organization. Stop by our exhibit booth to learn more about technical facilities careers at Sodexo.

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— BOOTH #115 —



— BOOTH #413 —



— BOOTH #123 —



— BOOTH #129 —



— BOOTH #223 —



— BOOTH #728 —



— BOOTH #127 —

Building Better with



2014 BACnet International Sessions at NFMT Vegas:

<u>Session Title</u>	<u>Presenter</u>	<u>Date/Time</u>
LED Lighting: An Automation Armageddon	Andy McMillan BACnet International	Tuesday 8:00 AM - 8:50 AM
Building Sustainability Through Building Automation	Ben Dorsey	Tuesday 9:00 AM - 9:50 AM
Using BACnet to Obtain Free LEED Credits	Mike Olson ABB, Inc.	Tuesday 10:00 AM - 10:50 AM
The Facility Manager's Guide to Building Automation Systems	Grant Wichenko, P.E. Appin Associates	Tuesday 11:00 AM - 11:50 AM
Integration Best Practices	Chris Hollinger Siemens Building Technologies, Inc.	Tuesday 11:00 AM - 11:50 AM
Do We Really Want Intelligent Buildings?	Ben Dorsey	Wednesday 8:00 AM - 8:50 AM
Utilizing BACnet in a Major HVAC Renovation	Tim Skell ABB, Inc.	Wednesday 9:00 AM - 9:50 AM
BAS: Building Analytics System?	Steve Tom, P.E., PhD Automated Logic Corporation	Wednesday 9:00 AM - 9:50 AM
Open System Conversions	Rick Fellows KMC Controls	Wednesday 10:00 AM - 10:50 AM

Connect with us online at
www.BACnetInternational.org



Visit us in
Booth 413



Show Highlights

Tuesday | OCT 7

8:00am | Tradewind C

Facility Maintenance Decisions Achievement Awards

Attend this exceptional session where the winners of the 2014 Achievement Awards will speak to the success of their completed projects as well as offer up a few lessons learned. These awards are meant to celebrate the central role that maintenance and engineering managers play in the efficient operation of the nation's institutional and commercial facilities. You are welcome to review the details of the winning projects before this special presentation at NFMT Vegas. Please see page 14 for more information.

2:45pm | Exhibit Hall - Main Stage

BACnet International's Leaders of the Pack Awards

BACnet International shows their appreciation to individuals and companies who are involved in their community during this presentation. This annual ceremony allows BACnet International members to commemorate and recognize the hard work, commitment, and achievements of their peers.

2:45pm | Exhibit Hall - Main Stage

\$1,000 Grand Prize Drawing

It pays to spend time in the Exhibit Hall in multiple ways...this one pays in cash! This is the first of two drawings for a \$1,000 prize at NFMT Vegas. The drawing will take place on the main stage, and you must be present to win. Please see the ballot in your tote bag for complete rules and regulations.

3pm-4pm | Exhibit Hall - Main Stage

Opening Night Networking Party

Join your fellow facility professionals in celebrating the first day of NFMT Vegas. Mingle with others while enjoying free appetizers and cocktails on the exhibit floor.

Sponsored by BACnet International 

4pm-5pm | Islander D

Solutions Exchange Networking Event

You'll find yourself engaged in dynamic discussions regarding the critical topics of facilities management in this round-robin style session. As you sit among your peers, join in on the exchange of ideas facilitated by some of the top suppliers and experts serving the facilities industry. Each table discussion lasts 20 minutes before it's time to move on to the next one. Participants have the opportunity to join in on up to three table discussions. Please see page 6 for more information.

Wednesday | OCT 8

8:30am | Islander D

Women in Facilities Management

For the second year at NFMT Vegas, our Women in Facilities Management panel is expected to be a hit. Hear what a few of the industry's leaders have to say about women working in this historically male dominated industry, and join in on the dialogue. This will be an interesting and thought-provoking discussion in which everyone is invited to attend. Please see page 22 for more information.

Sponsored by Sodexo



1:45pm | Exhibit Hall - Main Stage

\$1,000 Grand Prize Drawing

It pays to spend time in the Exhibit Hall in multiple ways...this one pays in cash! This is the final drawing for a \$1,000 prize at NFMT Vegas. The drawing will take place on the main stage, and you must be present to win. Please see the ballot in your tote bag for complete rules and regulations.

Both Days

Exhibit Hall

VIP Pin Program

You didn't know that you're VIP? You are at NFMT Vegas! In your tote bag, you will find a VIP pin. Wear it and connect with any of the outstanding exhibitors in the Exhibit Hall for your chance to win cash on the spot. The undercover Vegas Prize Team will select winners at random. You have a chance to win \$50 cash on October 7 and \$100 cash on October 8.

Exhibit Hall

Lunch is on Us!

Everyone will have worked up appetites come lunchtime, so NFMT Vegas provides a complimentary \$8 off lunch coupon, found in your tote bag. The coupon is only redeemable at the food station inside the exhibit hall.

Social Media

We love to hear from our attendees all year round. Share your thoughts and opinions, participate in contests, and stay up to date on all facilities management information, specific NFMT details, and a whole lot more.





SIEMENS

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Maximize efficiency and energy savings with GAMMA lighting controls from Siemens.

With GAMMA lighting controls from Siemens, you control more than just your visual environment. You control your energy budget, too.

GAMMA products support smart, energy-efficient applications, including daylight harvesting, occupancy control and task tuning. They can also drive up to 60% energy savings compared to traditional systems.

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Energy-saving, feature-rich and designed for buildings of any size, GAMMA is precisely the lighting control your facility needs.

www.siemens.com/gamma

NFMTVEGAS Booth #513

Solutions Exchange

Tuesday | **OCT 7**

4:00 – 5:00 p.m. | Islander D

This fast-pace, round-robin event puts you in the driver seat. Join three topic tables for 20 minutes each. Attend this event to network and brainstorm – with both industry experts and your peers – on critical topics that affect your decision-making outcomes. This is an exclusive opportunity for you to have input on the conversation. Each discussion table only holds 8 attendees per round. Choose up to **THREE** topics from the list below:

Free Beer for All Participants!

TABLE TOPIC AND DESCRIPTION:

Optimizing the Use of VFDs in Your Facility

Discuss how VFDs should be applied, controlled, and maintained in a HVAC system. Learn how VFDs can pay for themselves in less than 2 years in many retrofit applications.

Spot Cooling Solutions for Every Facilities Manager

You'll walk away with a handy ten-point checklist to help with your next air conditioning emergency, plus you'll get answers to questions you never thought to ask. Join our discussion to learn how to use portable air conditioning as an affordable solution for backup, emergency, supplemental, primary and disaster recovery cooling.

Find and Communicate with Qualified Vendors

Learn how you can find qualified vendors for your facility's projects. Whether it's new construction, maintenance, or an emergency service contract, we'll discuss how you can target your vendor searches and expedite communication. We will also review how you can distribute project documents online - drawings, specifications, photographs, videos, etc.

Why Maintenance Planning and Scheduling is Critical

Attend this discussion to learn how maintenance management in terms of work order planning and scheduling, material procurement, and project management are essential to creating a high-performance maintenance department.

Bridging the Gap Between Capital Planning & Operational Maintenance Programs

Often times a large gap exists between the realities of maintaining a facility and the strategic view of the capital program. Data about value, condition, age, and function, as well as maintenance and renewal needs, is often scattered across multiple locations. Join us to exchange best practices and discuss solutions.

Top Reasons Why a Mobile CMMS is Essential

Your maintenance technicians have enough to juggle. Equipping them with a mobile CMMS that's easy to use on the go will help increase the productivity of your entire maintenance department. We'll discuss the reasons why a mobile CMMS is so critical in today's workplace and how a mobile work force can become a reality in your organization.

Electrical Safety and What You Must Know

When looking at OSHA's top 10 most violated standards list, 3 of the top 10 are electrical violations. Is your facility or site currently compliant? Would you like to better understand how you can meet the compliances while at the same time keep your workers safe? Attending this discussion will give you the knowledge and expertise to implement a safe and compliant electrical workplace!

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You expect your HVAC system to work without a hitch. Your time is limited. Your building must maintain stringent air quality standards, and keep your occupants comfortable despite environmental extremes. You cannot afford a support network that is not tailored to your needs or lacks required capabilities. We bring unmatched customer service to you through our network of Authorized HVAC Representatives; they are the experts you can rely on. Find your local contact online. We are designed for HVAC, because in your building, everything counts. www.abb.com/drives

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NFMTVEGAS Booth #412

Sessions at-a-glance

Tuesday | OCT 7

8:00-8:50 a.m.

Coral	T1.CR	Optimizing HVAC Efficiency: Strategies for Savings
Shell Seekers	T1.SS	LED Lighting: An Automation Armageddon
Tradewind C	T1.TC	Lessons Learned from FMD Achievement Award Winners
Tropics	T1.TR	Sustainability: FM Practitioners Guide

9:00-9:50 a.m.

Coral	T2.CR	Energy Management in Existing Buildings
Mariners A	T2.MA	The Owners Role in Inspection, Testing, and Maintenance of Water Based Fire Protection Systems
Mariners B	T2.MB	How to Specify Commercial Flooring
Shell Seekers	T2.SS	Building Sustainability Through Building Automation
Tradewind A	T2.TA	Finding Value in Building Enclosure Commissioning
Tradewind B	T2.TB	Understanding the Importance and Value of BIM for Facilities Management
Tradewind C	T2.TC	Implementing Self-Directed Maintenance Teams
Tropics	T2.TR	3rd Party Maintenance Outsourcing: New Competitive Pressure for FM's

10:00-10:50 a.m.

Coral	T3.CR	Energy Efficiency: Taking Advantage of the World's Most Important Fuel
Mariners A	T3.MA	Emergency Response Plan
Mariners B	T3.MB	Is Your Facility Ready for an OSHA Audit?
Shell Seekers	T3.SS	Using BACnet to Obtain Free LEED Credits
Tradewind A	T3.TA	Ensuring a Clean, Green, and Healthy Indoor Environment
Tradewind B	T3.TB	Technology for a Global Workforce

Tradewind C	T3.TC	LED Lighting: Less Secrets, More Surprises
Tropics	T3.TR	The Future FM Workforce: Build an Integrated Talent Management Plan

11:00-11:50 a.m.

Coral	T4.CR	Water Benchmarking: Cut Your Bottom Line
Mariners A	T4.MA	ADA Compliance: An Ounce of Prevention is Worth a Pound of Cure
Mariners B	T4.MB	Back to Basics: Scheduling and Planning is Key for Maintenance
Shell Seekers	T4.SS	The Facility Manager's Guide to Building Automation Systems
Tradewind A	T4.TA	Achieving Zero Waste: Transitioning from the 3Rs to the 3Cs
Tradewind B	T4.TB	Integration Best Practices
Tropics	T4.TR	Survivability of the FM: Utilizing Expertise Instead of Management, Direction and Control

Noon - 4:00 p.m. Exhibit Hall Open

2:45 p.m.

BACnet International Leader of the Pack Awards
\$1,000 Prize Drawing

3:00-4:00 p.m.

Networking Party
Sponsored by BACnet International

4:00-5:00 p.m.

Solutions Exchange

Wednesday | OCT 8

8:00-8:50 a.m.

Shell Seekers	W1.SS	Do We Really Want Intelligent Buildings?
Tradewind A	W1.TA	Four Concepts for Project Quality and Asset Sustainability
Tradewind C	W1.TC	CMMS Panel

8:30-9:50 a.m.

Islander D	W1.TR	Women in Facilities Management
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9:00-9:50 a.m.

Coral	W2.CR	Why LEDs? Why Now?
Mariners A	W2.MA	Everything You Wanted to Know About ADA, but Were too Afraid to Ask!
Mariners B	W2.MB	Hazardous Materials Concerns for a Facility Manager
Shell Seekers	W2.SS	Utilizing BACnet in a Major HVAC Renovation
Tradewind A	W2.TA	Innovative Green Cleaning Technologies that Save Money
Tradewind B	W2.TB	BAS: Building Analytics System?
Tradewind C	W2.TC	Contracted Services Inspections
Tropics	W2.TR	Reliability Leadership: What you Need to Know

10:00-10:50 a.m.

Coral	W3.CR	Six Steps to Help Justify Building Energy Upgrades
Mariners A	W3.MA	Fire Alarm/Suppression Systems: Common Problems and Practical Solutions
Mariners B	W3.MB	Healthcare Facility Management Compliance
Shell Seekers	W3.SS	Open System Conversions
Tradewind A	W3.TA	Tax Incentives for Facility Improvements

Tradewind B	W3.TB	Too Hot or Too Cold: Using Technology to Stop Tenant Complaints in Their Tracks
Tradewind C	W3.TC	Successful School Bond Passages
Tropics	W3.TR	Implementing NFPA 70E for Arc Flash Safety

Noon - 4:00 p.m. Exhibit Hall Open

1:45 p.m.

\$1,000 Prize Drawing

2:10-3:00 p.m.

Coral	W4.CR	Top 5 Energy Management Analytics
Mariners A	W4.MA	Critical Building Recovery
Mariners B	W4.MB	Strategies for Protecting Your Building from Water Damage
Tradewind A	W4.TA	Codes Laws and Common Sense Fire Doors
Tradewind B	W4.TB	New Boiler Chemistry Control Technology
Tradewind C	W4.TC	The Cost of Downtime-Preventing Blackouts
Tropics	W4.TR	Authentic Leadership

3:10-4:00 p.m.

Coral	W5.CR	Micro Grids
Mariners A	W5.MA	Using Industrial Coatings in Architectural Spaces
Mariners B	W5.MB	Improving Your Bottom Line Operations with Submetering
Tradewind A	W5.TA	Codes Laws and Common Sense Regarding Egress Doors
Tradewind C	W5.TC	Make Your Facilities Data a Strategic Asset

Kidde Fire Systems

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Proven, Effective and Reliable...

Fire Protection that's Engineered Clean and Safe

Equipment and processes are vital to the success of all commercial endeavors. Consider the ramifications of a fire in these critical areas. Smoke or soot contamination, water damage, destroyed equipment and idle process lines could force your business offline and out of competition. Kidde's ECS™ Clean Agent Suppression Systems extinguish a fire in seconds, safeguarding your people and property.

With more than 90 years in the industry, Kidde Fire Systems is the leader in the Clean Agent special hazards market. Kidde's quality products and services can be found globally with distributors located in major cities around the world and a network, of more than 300, throughout the United States and Canada.

Kidde ECS Systems Feature:

Rapid-Response. In seconds — not minutes, the ECS System discharges Clean Agent suppressant into the hazard area providing the fastest fire protection available. This results in less damage, fewer repair costs and reduced downtime.

Damage-Free. Clean Agent suppressants allow virtually immediate return to "business as usual" without the interruption of a costly clean-up and the expense of damage to assets from suppressant residue.

People-Safe. Our ECS System is safe for use in occupied areas. Clean Agents do not impair breathing or obscure vision in an emergency situation — providing an added measure of safety for personnel.

The Right Fire Protection Company. The Kidde integrated approach offers a complete fire protection system that is designed, manufactured, installed and serviced by one company. From refineries to commercial kitchens... it's likely that Kidde Fire Systems is on the job.



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NFMTVEGAS Booth #114



FIRE PROTECTION FOR PEOPLE AND PROPERTY

Tracks at-a-glance

Building Automation, Sponsored by

- Shell Seekers T1.SS** LED Lighting: An Automation Armageddon
- Shell Seekers T2.SS** Building Sustainability Through Building Automation
- Shell Seekers T3.SS** Using BACnet to Obtain Free LEED Credits
- Shell Seekers T4.SS** The Facility Manager's Guide to Building Automation Systems
- Tradewind B T4.TB** Integration Best Practices
- Shell Seekers W1.SS** Do We Really Want Intelligent Buildings?
- Shell Seekers W2.SS** Utilizing BACnet in a Major HVAC Renovation
- Tradewind B W2.TB** BAS: Building Analytics System?
- Shell Seekers W3.SS** Open System Conversions

Energy

- Coral T1.CR** Optimizing HVAC Efficiency: Strategies for Savings
- Coral T2.CR** Energy Management in Existing Buildings
- Coral T3.CR** Energy Efficiency: Taking Advantage of the World's Most Important Fuel
- Coral T4.CR** Water Benchmarking: Cut Your Bottom Line
- Coral W2.CR** Why LEDs? Why Now?
- Coral W3.CR** Six Steps to Help Justify Building Energy Upgrades
- Tradewind A W3.TA** Tax Incentives for Facility Improvements
- Coral W4.CR** Top 5 Energy Management Analytics
- Coral W5.CR** Micro Grids

Leadership

- Tropics T1.TR** Sustainability: FM Practitioners Guide
- Tropics T2.TR** 3rd Party Maintenance Outsourcing: New Competitive Pressure for FM's
- Tradewind C T2.TC** Implementing Self-Directed Maintenance Teams
- Tropics T3.TR** The Future FM Workforce: Build an Integrated Talent Management Plan
- Tropics T4.TR** Survivability of the FM: Utilizing Expertise Instead of Management, Direction and Control
- Islander D W1.TR** Women in Facilities Management
- Tropics W2.TR** Reliability Leadership: What you Need to Know
- Tropics W4.TR** Authentic Leadership

Operations and Maintenance

- Tradewind C T1.TC** Lessons Learned from FMD Achievement Award Winners
- Mariners B T2.MB** How to Specify Commercial Flooring
- Tradewind C T2.TC** Implementing Self-Directed Maintenance Teams
- Tradewind C T3.TC** LED Lighting: Less Secrets, More Surprises
- Mariners B T3.MB** Is Your Facility Ready for an OSHA Audit?
- Tradewind C T4.TC** Implementation of an Enterprise Wide CMMS
- Mariners B T4.MB** Back to Basics: Scheduling and Planning is Key for Maintenance
- Tropics W3.TR** Implementing NFPA 70E for Arc Flash Safety
- Mariners B W3.MB** Healthcare Facility Management Compliance
- Tradewind C W3.TC** Successful School Bond Passages

- Mariners B W4.MB** Strategies for Protecting Your Building from Water Damage
- Tradewind A W4.TA** Codes Laws and Common Sense Fire Doors
- Tradewind C W4.TC** The Cost of Downtime-Preventing Blackouts
- Tradewind C W5.TC** Make Your Facilities Data a Strategic Asset
- Mariners B W5.MB** Improving Your Bottom Line Operations with Submetering

Safety and Security

- Mariners A T2.MA** The Owners Role in Inspection, Testing, and Maintenance of Water Based Fire Protection Systems
- Mariners B T3.MB** Is Your Facility Ready for an OSHA Audit?
- Mariners A T3.MA** Emergency Response Plan
- Mariners A T4.MA** ADA Compliance: An Ounce of Prevention is Worth a Pound of Cure
- Mariners B W2.MB** Hazardous Materials Concerns for a Facility Manager
- Mariners A W2.MA** Everything You Wanted to Know About ADA, but Were too Afraid to Ask!
- Mariners A W3.MA** Fire Alarm/Suppression Systems: Common Problems and Practical Solutions
- Tropics W3.TR** Implementing NFPA 70E for Arc Flash Safety
- Mariners A W4.MA** Critical Building Recovery
- Mariners A W5.MA** Using Industrial Coatings in Architectural Spaces
- Tradewind A W5.TA** Codes Laws and Common Sense Regarding Egress Doors

Sustainability

- Tropics T1.TR** Sustainability: FM Practitioners Guide
- Tradewind A T2.TA** Finding Value in Building Enclosure Commissioning
- Tradewind A T3.TA** Ensuring a Clean, Green, and Healthy Indoor Environment
- Tradewind A T4.TA** Achieving Zero Waste: Transitioning from the 3Rs to the 3Cs
- Tradewind A W1.TA** Four Concepts for Project Quality and Asset Sustainability
- Tradewind A W2.TA** Innovative Green Cleaning Technologies that Save Money
- Tradewind A W3.TA** Tax Incentives for Facility Improvements

Technology

- Tradewind B T2.TB** Understanding the Importance and Value of BIM for Facilities Management
- Tradewind B T3.TB** Technology for a Global Workforce
- Tradewind B T4.TB** Integration Best Practices
- Tradewind C T4.TC** Implementation of an Enterprise Wide CMMS
- Tradewind B T4.TB** Integration Best Practices
- Tradewind C W1.TC** CMMS Panel
- Tradewind B W2.TB** BAS: Building Analytics System?
- Tradewind C W2.TC** Contracted Services Inspections
- Tradewind B W3.TB** Too Hot or Too Cold: Using Technology to Stop Tenant Complaints in Their Tracks
- Tradewind B W4.TB** New Boiler Chemistry Control Technology
- Mariners B W5.MB** Improving Your Bottom Line Operations with Submetering
- Tradewind C W5.TC** Make Your Facilities Data a Strategic Asset

Club Car

VISIT US AT
BOOTH #506



UP TO
2X
BETTER
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SAVE UP TO
\$500
PER YEAR
IN FUEL

UP TO
60%
FASTER
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NUMBERS YOU CAN TAKE TO THE BANK.

Lots of utility vehicles claim to be faster, more powerful and more fuel efficient, but the Club Car Carryall backs its claims with facts. In independent testing, the Carryall 500 outperformed its top three competitors in acceleration, hill-climbing speed and fuel efficiency.

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Learn more at clubcardealer.com/hardworkinghero.



SCAN FOR MORE INFO.

All performance testing was performed December 2013 by independent agency ATS, Marietta Georgia. For calculating fuel economy and annual fuel costs, vehicles were tested with driver plus cargo — 650 lb (294.8 kg) total weight — on rolling hills. Fuel cost were based on 5000 miles per year, and fuel cost of \$3.50 per gallon. For hill climb speed, vehicles were tested with driver plus cargo 1200 lb (544.3 kg) on a 15-17% grade. Go to www.clubcardealer.com/hardworkinghero for competition data. Your results may vary.

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CARRYALL

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Continuing Education

NFMT Vegas is authorized by IACET to offer 0.1 CEUs for each conference session.

Prerequisites:

There are no prerequisites for this program. Anyone is allowed to register and attend.

Satisfactory Requirements for CEU: (the following requirements are mandatory to receive the IACET CEUs offered)

- You must be scanned into the session.
- You must be present for over 90% of the conference session.
- You must successfully answer at least 70% of the learning outcome assessment questions which will be administered via email at the conclusion of the conference.

Self-report to the appropriate professional organization using your NFMT Vegas CEU transcript generated after successfully completing the assessment. NFMT Vegas will not be reporting to any organizations on your behalf.



Trade Press Media (NFMT Vegas) has been accredited as an Authorized Provider by the International Association for Continuing Education and Training (IACET), 1760 Old Meadow Road, Suite 500, McLean, VA 22102; (703) 506-3275.

Questions?

Please stop by the show office or contact Wendy Dietzler at wendy.dietzler@tradepress.com.

Wish you could attend more NFMT Vegas Sessions?

Now NFMT Members have access to over 18 NFMT Vegas session videos online. The following sessions will be archived for NFMT Members to access after the conference. To become a member please visit the membership counter at the registration desk.

Tuesday | OCT 7

- T1.TC** Facility Maintenance Decisions Achievement Awards
- T1.TR** Sustainability: FM Practitioners Guide
- T2.TC** Implementing Self-Directed Maintenance Teams
- T2.TR** 3rd Party Maintenance Outsourcing: New Competitive Pressure for FM's
- T3.TC** LED Lighting: Less Secrets, More Surprises
- T3.TR** The Future FM Workforce: Build an Integrated Talent Management Plan
- T4.TC** Implementation of an Enterprise Wide CMMS
- T4.TR** Survivability of the FM: Utilizing Expertise Instead of Management, Direction and Control

Wednesday | OCT 8

- W1.TR** Women in Facilities Management
- W1.TA** Four Concepts for Project Quality and Asset Sustainability
- W2.MB** Hazardous Materials Concerns for a Facility Manager
- W2.TA** Innovative Green Cleaning Technologies that Save Money
- W3.MB** Healthcare Facility Management Compliance
- W3.TA** Tax Incentives for Facility Improvements
- W4.MA** Critical Building Recovery
- W4.MB** Strategies for Protecting Your Building from Water Damage
- W5.MA** Using Industrial Coatings in Architectural Spaces
- W5.MB** Improving Your Bottom Line Operations with Submetering



Maximize asset investment

Find out how
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can help you realize:

- 20% or more in energy reductions
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 Sessions will be taped and archived for NFMT members.

3. Understand the disruptive potential of LED lighting when combined with other emerging technologies.
AUDIENCE: BEGINNER | CEU: 0.1

Sustainability, Leadership
T1.TR  **Sustainability: FM Practitioners Guide**

Room: Tropics

Presenter(s): Larry Morgan, CFM, SFP, Head of Operational Excellence and Sustainability Initiatives for North and Latin America, SAP Global Facilities Management, Americas

Sustainability has become one of many required core competencies of a facility manager. In order to create and implement a successful sustainability program, dedication and commitment to the project is needed. Learn how to think in terms of the triple bottom line, made up of social, environmental, and economic criteria, and understand how this criterion can help form a solid plan of action. The results will provide benefits that both the facility manager and the organization will be pleased with soon after, as well as in the future.

Learning Objectives:

1. Highlight the triple bottom line and its impact
2. Understand the benefits of sustainability in relation to being a FM
3. Present the importance of alignment
4. Discuss the role of an FM in a sustainability program

AUDIENCE: INTERMEDIATE | CEU: 0.1

Tuesday | 57

8:00 AM

Operations and Maintenance

T1.TC  **Lessons Learned from FMD Achievement Award Winners**

Room: Tradewind C

Presenter(s): Greg Clark, Senior Director of Maintenance and Operations, Wake County (N.C.) Schools

Neal DiChiara, Facilities Maintenance Manager, University of Alabama

Greg Harubin, Director of Facilities, Day Kimball Healthcare

Anand Sankey, Director of Engineering and Maintenance Services, Western Michigan University

The Facility Maintenance Decisions Achievement Awards recognize and celebrate the central role maintenance and engineering managers play in the successful and efficient operation of the nation's institutional and commercial facilities. Winners were chosen from more than 30 entries in the categories of Renovations and Retrofits, Sustainability, Financial Management, and Personnel Management. In this session, Achievement Award winners offer insights into their successful projects and discuss lessons learned on how to start and finish the job with positive results. Attendees are encouraged to take the information back to their facilities to benefit their departments and organizations. Questions from the audience are encouraged in this highly interactive session.

AUDIENCE: BEGINNER | CEU: 0.1

Energy

T1.CR **Optimizing HVAC Efficiency: Strategies for Savings**

Room: Coral

Presenter(s): James L. Newman, CEM, LEED AP, Managing Partner, Newman Consulting Group, LLC

It's safe to say that energy efficiency will always be top priority for facility managers and engineers, which makes finding new ways to identify and achieve energy cost savings a priority as well - especially in the HVAC system. Attend this session to learn how to study, analyze and respond to the current state of your building's HVAC system, and identify common and not-so-common strategies to stretch your energy dollars. Covering topics from audits and retrocommissioning to dampers, drives and coils, this presentation will address commonly missed opportunities to optimize the efficiency of the HVAC system, and save money in the process.

Learning Objectives:

1. Review underexplored areas of HVAC systems that offer the potential for energy savings
2. Learn how to ensure that operations are getting the most efficiency out of your HVAC system
3. Understand the key considerations of ongoing commissioning or retrocommissioning

AUDIENCE: INTERMEDIATE | CEU: 0.1

Building Automation, Sponsored by BACnet International

T1.SS **LED Lighting: An Automation Armageddon**

Room: Shell Seekers

Presenter(s): Andy McMillan, President, BACnet International

In this session we will discuss how LED lighting could trigger a significant disruption of the traditional building automation industry. We will review current and future drivers for LED lighting adoption and explore the "perfect storm" potential of combining LED lighting with BACnet, wireless controls and cloud-based energy management services.

Learning Objectives:

1. Understand the drivers behind near and long-term market adoption of LED lighting
2. Recognize the emerging controls opportunities arising from LED lighting adoption

9:00 AM

Technology

T2.TB **Understanding the Importance and Value of BIM for Facilities Management**

Room: Tradewind B

Presenter(s): John Gould, Sr. Principal Consultant, JFC & Associates - Enterprise Asset Management Services

This session will provide insight into BIM, what it means and how Facility Managers can derive value throughout the design and construction process, carrying through the building's life cycle. The session will include defining BIM, the various supporting technologies surrounding BIM and what BIM really means for Facility Managers. Other topics will include understanding COBie Spreadsheets, what LOD (Level of Development) means, defining BEP (BIM Execution Plans) and what IPD (Integrated Project Delivery) means for Facility Managers.

Learning Objectives:

1. Define what BIM is and make the case for utilizing BIM after construction
2. Determine how BIM can be utilized by your organization throughout the building's life cycle
3. Identify what information is captured in Building Information Models versus COBie Spreadsheets
4. Describe what types of things Facility Managers need to ask for during the design and construction process to gain value from BIM

AUDIENCE: INTERMEDIATE | CEU: 0.1

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Building Automation,
Sponsored by BACnet International
**T2.SS Building Sustainability
Through Building Automation**

Room: Shell Seekers

Presenter(s): Ben Dorsey, Vice President,
Continental Industries, Inc.

Initially, we will define associated terms and discuss associated motivations. In the remainder of the session we will examine four major sustainability related benefits of building automation. A case study will be presented for each benefit area.

Learning Objectives:

1. List two or more motivations for pursuing a sustainable building path
2. Recall 2-4 benefits of building automation
3. Recognize the practices associated with Higher Energy Efficiency (benefit area 1)

AUDIENCE: INTERMEDIATE | CEU: 0.1

Leadership

**T2.TR 3rd Party Maintenance
Outsourcing: New Competitive
Pressure for FM's**

Room: Tropics

Presenter(s): Jamshed Rivetna, President, Ensoft
Consulting, Inc.

For years, the maintenance department in many organizations has been facing budget cuts. These cuts create pressure to become more efficient, to reduce staff, and to cut operating costs. Unfortunately, this cost-cutting mindset invites competition from 3rd party maintenance service providers claiming big savings to an organization's bottom line. To governing boards and upper management, outsourcing is seen as a possible solution to their financial burden. To maintenance staff and managers, it means something entirely different. With this presentation, we will explore the outsourcing topic and will present action items for facility managers to keep their departments relevant and competitive.

Learning Objectives:

1. Learn and understand the outsourcing model and why 3rd party service providers are appealing to an organization
2. Clarify specific ways your organization can keep pace with 3rd party service providers
3. List examples of management reports for assessing and monitoring department operating performance
4. State steps to take for identifying and implementing operating improvements

AUDIENCE: INTERMEDIATE | CEU: 0.1

Safety and Security

**T2.MA The Owners Role
in Inspection, Testing, and
Maintenance of Water Based Fire
Protection Systems**

Room: Mariners A

Presenter(s): Jason Webb, Director of ITM,
National Fire Sprinkler Association

The building owner or manager is the single most important individual in the inspection, testing and maintenance of fire protection systems. NFPA 25, Standard of Inspection Testing and Maintenance of Water-Based Fire Protection Systems, contains numer-

ous requirements that are the responsibility of the building owner or manager. This seminar will provide an introduction to the owners requirements and limits when it comes to inspection, testing and maintenance. Through discussion of the administrative and system chapters of NFPA 25 this seminar will provide the attendee with guidance for an effective inspection, testing and maintenance program.

Learning Objectives:

1. Describe the role and responsibilities that building owners or their designated representatives have in the ITM process as outlined in NFPA 25
2. Recognize the difference between what is permitted for the building owner to do and what requires a fire sprinkler professional
3. Identify the proper documentation associated with inspection testing and maintenance

AUDIENCE: BEGINNER | CEU: 0.1

Sustainability

**T2.TA Finding Value in Building
Enclosure Commissioning**

Room: Tradewind A

Presenter(s): Emily Hopps, Senior Project
Manager, Simpson Gumpertz & Heger Inc.

Building Enclosure Commissioning (BECx) is being implemented on more projects as its popularity increases and organizations, such as the USGBC's LEED program, require it as part of the building process. Several industry standards and guidelines have been developed and revised to lead project teams through the commissioning process. However, the industry has yet to truly arrive at a consensus on the process and its implementation, resulting in a process that is not always fully leveraged. The BECx process, if implemented properly, can be very valuable: it improves quality, controls risk, and reduces costly changes and delays during construction.

Learning Objectives:

1. Review the Building Enclosure Commissioning (BECx) process and current standards
2. Identify the scope of quality assurance provisions embodied in the current standards
3. Discuss the value of the BECx process during early design phases through construction closeout
4. Evaluate the scope of BECx work to reduce risk of future enclosure issues and enhance building performance

AUDIENCE: INTERMEDIATE | CEU: 0.1

Operations and Maintenance

**T2.MB How to Specify Commercial
Flooring**

Room: Mariners B

Presenter(s): Lewis G. Migliore, President,
LGMTCS and Associates

Specifying starts with knowing the space you want to put flooring in. What type of product or products you should be looking at; if they will actually perform as expected.

Learning Objectives:

1. Review getting the correct product and installation in the space
2. Understand what you need to know first for the spec
3. Clarify who you should listen to, manufacturer or flooring contractor
4. Review how to ensure you don't make a mistake

AUDIENCE: INTERMEDIATE | CEU: 0.1

Leadership, Operations and Maintenance

**T2.TC Implementing Self-
Directed Maintenance Teams**

Room: Tradewind C

Presenter(s): C. Paul Oberg, President and Chief
Executive Officer, EPAC Software Technologies,
Inc.

Implementing a self-directed workforce may lead to improvements of supervisory focus, customer service and labor productivity. This session will focus on the necessary steps to take in order to define and implement self-directed maintenance technicians and teams.

Learning Objectives:

1. Analyze the benefits of a self-directed workforce
2. Recognize the organizational steps needed for a self-directed workforce
3. Define the requirements for implementation of a self-directed workforce
4. Verify how to measure the results of a self-directed workforce

AUDIENCE: INTERMEDIATE | CEU: 0.1

Energy

**T2.CR Energy Management in
Existing Buildings**

Room: Coral

Presenter(s): Davor Novosel, Chief Technology
Officer, National Energy Management Institute
(NEMI)

Most of the buildings constructed today will be around in 50 years. The overall energy efficiency of a commercial or institutional building is about 50 percent. As buildings consume about 40 percent of the total energy in the United States, the building sector wastes 20 percent of the total U.S. energy consumption. With today's technologies we can increase the energy performance of buildings to 70 percent. This session will give insights into the relationship between the building's energy performance and the occupant comfort perceptions. Furthermore, testing, adjusting and balancing will be showcased as the first step in achieving a high performance building.

Learning Objectives:

1. List the principal source and use of energy in existing buildings
2. Identify how big the energy savings opportunities are
3. Specify how to meet energy goals
4. Gain insight into energy management in context of human performance

AUDIENCE: BEGINNER | CEU: 0.1

10:00 AM

Safety and Security

T3.MA Emergency Response Plan

Room: Mariners A

Presenter(s): Justin Stewart, Facilities Manager,
BYU Library, Brigham Young University

This session will review the basic components of an emergency and disaster response plan and emergency evacuation strategies. Attendees will receive components of a sample emergency response plan that can be implemented at their institutions.

Learning Objectives:

1. List the important aspects of a disaster and emergency response plan

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2. Review how to create an effective disaster and emergency response plan

AUDIENCE: BEGINNER | CEU: 0.1

Energy

T3.CR Energy Efficiency: Taking Advantage of the World's Most Important Fuel

Room: Coral

Presenter(s): Michael C. English, PE, CCP, LEED-AP, Senior Partner, Horizon Engineering Associates

The International Energy Agency (IEA) recently released a report titled "Energy Efficiency Market Report 2013 – Market Trends and Medium-Term Prospects". This report stated that in 2011, investments (\$300 billion) in the energy efficiency market globally were at a similar scale to those in renewable energy or fossil-fuel power generation. Their studies name energy efficiency as the world's most important fuel. In light of this report, this session will investigate energy efficiency for one of the world's top consumers of energy, buildings. This session will highlight several case studies from real world examples of buildings that underwent energy audit and retro-commissioning studies. This session will describe how the resulting energy conservation measures were developed, studied and ultimately recommended for implementation, not recommended or given a suggested plan for future implementation.

Learning Objectives:

1. Discover how energy efficiency is the newest "fuel"
2. Identify key takeaways from an energy audit study
3. Identify key takeaways from retro-commissioning
4. Analyze an energy conservation measure from inception through to implementation and see it applied to real world situations

AUDIENCE: INTERMEDIATE | CEU: 0.1

Building Automation,
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T3.SS Using BACnet to Obtain Free LEED Credits

Room: Shell Seekers

Presenter(s): Mike Olson, Manager, HVAC Applications, ABB, Inc.

VFDs play a vital role in the precise control of high-performance green buildings by contributing towards energy-efficient air and water movement for HVAC systems. In addition, VFDs are an integral component of ASHRAE Standard 90.1 and the LEED-Energy and Atmosphere category.

Learning Objectives:

1. Learn how VFDs save energy
2. Understand what VFD BACnet objects should be monitored
3. Learn how to get "Free" LEED Credits for M&V using BACnet and VFD on-board information

AUDIENCE: INTERMEDIATE | CEU: 0.1

Sustainability

T3.TA Ensuring a Clean, Green, and Healthy Indoor Environment

Room: Tradewind A

Presenter(s): Dan Wagner, Director of Facility Service Programs, ISSA

When most people think about sustainability and going green, they do not immediately think of cleaning. Yet cleaning plays a crucial role in safeguarding the health, safety and well-being of facility occupants and in protecting the environment. By understanding the key characteristics of a quality, customer-focused and dependable cleaning service provider and demanding both effective management and the capability to deliver a comprehensive green cleaning program, facility management professionals can advance corporate sustainability initiatives and ensure a healthy indoor environment. Learn the principles to look for in order to ensure success and to protect health, the environment and facility assets.

Learning Objectives:

1. Understand the crucial connection between cleaning and sustainability
2. Recognize the necessary management and operational characteristics of a quality customer-focused cleaning organization
3. Identify the key elements of a comprehensive green cleaning program
4. Appreciate the role cleaning plays in protecting against potential public health threats

AUDIENCE: BEGINNER | CEU: 0.1

Technology

T3.TB Technology for a Global Workforce

Room: Tradewind B

Presenter(s): Paul Head, II, Manager, Ernst & Young Construction Real Estate Advisory Services

AUDIENCE: ADVANCED | CEU: 0.1

Operations and Maintenance, Safety and Security

T3.MB Is Your Facility Ready for an OSHA Audit?

Room: Mariners B

Presenter(s): Larry Riley, Authorized OSHA Outreach Trainer, Owner/Instructor, Access Safety Compliance Training, Inc.

OSHA audits can be very scary for facilities managers. Attend this session for a better understanding of how you can be more prepared if you are audited. We will review OSHA's strategies and priorities, what the FM's role should be during the audit and how you can protect your company from being at risk.

Learning Objectives:

1. Review OSHA strategies during an audit
2. Explain how an audit affects you
3. Identify ways we can protect ourselves and our workers
4. Specify the do's and don'ts of an audit

AUDIENCE: INTERMEDIATE | CEU: 0.1

Leadership

T3.TR The Future FM Workforce: Build an Integrated Talent Management Plan

Room: Tropics

Presenter(s): Teena Shouse, CFM, IFMA Fellow, Vice President, Facility Engineering Associates

Successful facilities managers understand the importance of a strong competent team surrounding them. However, knowing is one thing, truly integrating these into your organization is another. Integration is the key and a competency model is a valuable tool which can

create an integrated talent management system and link it to increased shareholder value. Shouse will share workforce development resources, such as competency models and career maps currently being utilized. She will outline how your FM competency modeling effort can be shared and supported by your senior leaders, aligned to organizational strategy and integrated into your talent management practices. Through understanding case studies, you too can create your roadmap to success in talent management in FM.

Learning Objectives:

1. Understand how the core competencies associated with FM fit in the FM roles in your organization
2. Discover how a competency model becomes the foundation for an integrated talent management system
3. Identify resources for professional growth in facility management
4. Gain a better overall understanding of the maturation process for an FM professional

AUDIENCE: INTERMEDIATE | CEU: 0.1

Operations and Maintenance

T3.TC LED Lighting: Less Secrets, More Surprises

Room: Tradewind C

Presenter(s): John Curran, PhD, President, LED Transformations, LLC

LEDs have become a commonly accepted light source in many lighting installations. From new wiring approaches to smartphone controls, solid-state lighting brings an exciting set of features that were previously unavailable. By now, lighting professionals and facilities managers are aware that LED technology is different, but they may not understand the far-reaching implications of some of those differences. Success of lighting projects incorporating LED technology means understanding those requirements that often differ from traditional lighting practices. This presentation will provide attendees practical guidance in those differences: from rebates to installation and sensor issues, warranty concerns and even new methods of lighting control.

Learning Objectives:

1. How LEDs are enabling new lighting control architectures/methods and what this implies to those responsible for facilities
2. Understanding how sensor selection and placement will become an important element of future lighting systems
3. Examples of some typical installation problems and how to avoid them when using LED-based luminaires
4. Knowledge of some unresolved testing standard issues that specifies and that facilities managers should be aware of when selecting LED technology for their facilities

AUDIENCE: BEGINNER | CEU: 0.1

11:00 AM

Safety and Security

T4.MA ADA Compliance: An Ounce of Prevention is Worth a Pound of Cure

Room: Mariners A

Presenter(s): Joan W. Stein, President, Stein Consulting LLC

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The American with Disabilities Act (ADA) is a federal civil rights law that is complaint driven. Unlike building codes, the ADA is enforced either through investigations performed by the U.S. Department of Justice or by the federal courts; both stemming from complaints or allegations received from individuals with disabilities. Every month, more than 300 private ADA lawsuits are filed in the U.S. federal courts nationwide. The revised 2010 ADA Standards for Accessible Design include significant changes as well as a number of new areas that were never regulated before; adding more risk for facility owners and managers. While nothing can guarantee that an organization will not be sued under the ADA, this session will explore a series of proactive steps that can be taken to help keep facilities ahead of the curve and help your organization to effectively manage your risk.

Learning Objectives:

1. Clarify how the ADA is enforced both by the Justice Department and the federal courts and recent changes in enforcement and fines
2. Define the difference between building codes and the ADA as a civil rights law
3. Discuss practical tips and guidance on how to demonstrate a "good faith effort" in your ADA compliance effort*
4. Name practical tips and guidance on what to do when a complaint is filed against you/your organization*

*Ms. Stein is not an attorney and the tips and guidance provided in this session cannot be construed to be legal advice.

AUDIENCE: INTERMEDIATE | CEU: 0.1

Sustainability

T4.TA Achieving Zero Waste: Transitioning from the 3Rs to the 3Cs

Room: Tradewind A

Presenter(s): Bruce Buchan, Founder and CEO, CleanRiver Recycling Solutions

The traditional recycling approach has been developing a program around the three R's of recycling - Reduce, Reuse, Recycle. The desire to improve sustainability goals while striving for zero waste requires a much different approach from our experience. As we work with clients to either start a program or build on existing successes, we have coined the term "The 3Cs Approach to Zero Waste: Culture, Communication, and Collection." Each is an integral piece of the recycling puzzle and without one, your program will be faced with many challenges. This session will look at each piece and discuss how they are critical in the building of a successful recycling program, along with the sharing of some best practices.

Learning Objectives:

1. Learn how to increase your diversion rates and decrease contamination rates to improve your program ROI
2. Find out how to implement a waste audit to find out your current program situation and then how to improve the program to reduce your waste hauling costs
3. Learn more about stream contamination and how to reduce it to save you money
4. Identify where your organization is currently with sustainability efforts and how to get to the next step

AUDIENCE: BEGINNER | CEU: 0.1

Building Automation,
Sponsored by BACnet International,
Technology

T4.TB Integration Best Practices

Room: Tradewind B

Presenter(s): Chris Hollinger, Senior Product Manager, Integrated Systems, Siemens Building Technologies, Inc.

There is increasing emphasis on sharing system data to consolidate information for the user, providing more efficient and productive facility systems, and adding value to the facility organization. Increasing building automation integration leads to more complete information to drive productive energy efficiency and occupant comfort decisions. To assure success, assess short term and long term facility needs and goals. Be sure the project plans and specifications in place are in keeping with the facility's goals and priorities and in accordance with the system support structure available after installation. With more integration, careful planning is required to ensure vendors are delivering the products and configurations requested. Communication and detailed planning becomes all the more vital.

Learning Objectives:

1. Understand why an integration strategy is important
2. Assess the "how to" integrate systems
3. Be able to use the right tools to integrate systems
4. Learn how to make the most of the investment

AUDIENCE: INTERMEDIATE | CEU: 0.1

Operations and Maintenance

T4.MB Back to Basics: Scheduling and Planning is Key for Maintenance

Room: Mariners B

Presenter(s): Michael B. Cowley, CPMM, President, CE Maintenance Solutions

In the day to day life of managers scheduling and planning can often fall very low on the list of important tasks, however these items are key for any successful team. Most organizations fail because the process is difficult or, I should say, because it takes time, energy, and a maintenance process that includes an inventory-management system, work-order planning, structured leadership, routine discussion meetings, and long-range planning. Join this frank discussion on why it is important to schedule and plan and how to begin the process.

Learning Objectives:

1. List the top three reasons why scheduling is important
2. Determine the components of scheduling
3. State how to ensure you are not overscheduling
4. Be able to identify appropriate scheduling levels

AUDIENCE: INTERMEDIATE | CEU: 0.1

Energy

T4.CR Water Benchmarking: Cut Your Bottom Line

Room: Coral

Presenter(s): Bill Hoffman, Senior Technical Advisor, Water Management, Inc.

Learning Objectives:

AUDIENCE: INTERMEDIATE | CEU: 0.1

Leadership

T4.TR Survivability of the FM: Utilizing Expertise Instead of Management, Direction and Control

Room: Tropics

Presenter(s): Dean Kashiwagi, PhD, P.E., Professor and Director of the Performance Based Studies Research Group, Arizona State University

The best value delivery system allows the FM — who is totally comfortable with hiring expert vendors and not using management, direction and control (MDC) with contracts — to replace MDC with the utilization of expertise. In the best value system, the FMs identify experts and ensure that the best value vendor, who is selected, is successful in increasing the value to the FM. The presentation will describe how a FM can guarantee the success of the best value vendor even though their procurement staff is not an expert in the service being delivered. The presentation will use an actual case study of how other FMs used best value on services and construction.

Learning Objectives:

1. Strategies to minimize costs and risks
2. Use of performance measurements
3. How to bring value to your facility
4. Leadership approach

AUDIENCE: INTERMEDIATE | CEU: 0.1

Building Automation, Sponsored by BACnet International

T4.SS The Facility Manager's Guide to Building Automation Systems

Room: Shell Seekers

Presenter(s): Grant Wichenko, P.E., President, Appin Associates

The BACnet protocol is now well established with vendors and consumers around the world so there is no need to make this case in a presentation anymore. This presentation will outline the past, present and future methods for procuring, installing and maintaining BASs. In some organizations, FMs may not be part of the initial design and installation. These new BASs need to be interoperable so they will integrate into the existing BAS infrastructure. We will discuss how the Networked Controls BAS design model permits FMs to take advantage of these intelligent devices to streamline the operation and maintenance of the facility. The BAS also needs to provide data for the Facility Domain to the utility using the new Open Automated Demand Response (OpenADR) standard.

Learning Objectives:

1. Outline the principles of sound BAS design and procurement that will meet the needs of the FM
2. List the steps to integrate a new or modified BAS into the existing BAS infrastructure in the facility
3. Explain how the Networked Controls BAS design model allows for streamlined facilities management
4. Describe what must be done in a facility to deal with future challenges such as the SmartGrid

AUDIENCE: INTERMEDIATE | CEU: 0.1

Wednesday | Oct 8

8:00 AM

Building Automation, Sponsored by BACnet International

W1.SS Do We Really Want Intelligent Buildings?

Room: Shell Seekers

Presenter(s): Ben Dorsey, Vice President, Continental Industries, Inc.

Chris Hollinger, Senior Product Manager, Integrated Systems, Siemens Building Technologies, Inc.

This session will discuss two important parts of building automation. Part one: "Oh, No! It's ALIVE!" will explore the world of building intelligence and discuss the elements that are essential to achieving smart buildings. A case study will be cited. In the second part of the presentation: "Your Connected Facility," we will amplify our definition with connected building concepts and review implementation practices such as smart grid connectivity.

Learning Objectives:

1. Cite major contributing elements to building intelligence
2. Express one or more key benefits and enabling features of the connected building
3. Translate lessons learned from projects implementing advanced building intelligence and connected buildings practices

AUDIENCE: INTERMEDIATE | CEU: 0.1

Sustainability

W1.TA Four Concepts for Project Quality and Asset Sustainability

Room: Tradewind A

Presenter(s): Bill Conley, RWC, President/Principal-in-charge, Conley Group

Sustainability. What does that mean? Facility owners and managers always strive for sustainability and seamless projects. This presentation is tailored for those individuals who strive for quality projects on their facilities. Our goal for this presentation is to bring our 28 years of professional knowledge to the table and provide some tips for quality projects to reach sustainability.

Learning Objectives:

1. Clarify how you can be aware and proactive
2. Describe how to demand/design/deliver effective plans and projects
3. Explain how to incorporate design details and construction plans to protect operations
4. Apply life cycle and finance approach

AUDIENCE: INTERMEDIATE | CEU: 0.1

Technology

W1.TC CMMS Panel

Room: Tradewind C

Presenter(s): Michael B. Cowley, CPMM, President, CE Maintenance Solutions

Lacey Hyer, Project Manager, Wastren Advantage, Inc.

John Gould, Sr. Principal Consultant, JFC & Associates - Enterprise Asset Management Services

Computerized Maintenance Management Systems (CMMS) plays an important role in any facility, but too often facilities and maintenance managers are not using the software to its true potential. Within the last several years technological advances have allowed for CMMS programs to gather and analyze big data, much of which can be financially beneficial to managers. Join this panel of CMMS experts as they answer your questions regarding this important software.

Learning Objectives:

1. Review the common issues regarding CMMS
2. Compare how different organization use CMMS
3. Discuss the new advances in CMMS technology
4. Justify using CMMS for big data

AUDIENCE: INTERMEDIATE | CEU: 0.1

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8:30 AM

Leadership

W1.TR Women in Facilities Management

Islander D

Presenter(s): Karen E. Lovelund, District Manager, Sodexo Education Solutions

Kerri Sleeman, Executive Director of Facilities Management, Michigan Technological University

Another highly anticipated Women in FM program, back for the second year! Come and join a few of the industry's leaders as they discuss the positives and negatives of being a female in this historically male dominated industry, as well as how they have successfully transcended their careers. Together, the panelists represent a global facilities management perspective and additionally, they bring unique viewpoints regarding topics such as technical skills, career advancement, work-life balance, and more. We welcome your voice and your opinions on these topics, to make for an interesting, thought-provoking discussion. Everyone is welcome to attend this session.

Learning Objectives:

1. Discuss the ups and downs of being a woman in facilities management
2. Address the importance of networking and mentoring others
3. Indicate how to attract and engage other females in facilities management

AUDIENCE: BEGINNER | CEU: 0.1

9:00 AM

Safety and Security

W2.MB Hazardous Materials Concerns for a Facility Manager

Room: Mariners B

Presenter(s): Dale Walsh, President, Walsh Certified Consultants, Inc.

This presentation will discuss various sources of hazardous materials a facility manager may encounter. Methods for recognizing the hazards, evaluating them and controlling them will be addressed. Various examples of hazardous materials will be identified such as soil and groundwater contamination from past or current property uses, the typical locations of asbestos and how to avoid its current legal use in new construction, lead containing material issues, hazards associated with older buildings such as PCBs and mercury, and CFC refrigerants. Finally, there will be a brief discussion on handling, storage and disposal requirements for many common wastes generated at facilities such as those associated with painting, landscaping, vehicle maintenance, etc.

Learning Objectives:

1. Understand potential site contamination (soil and groundwater) from past uses
2. Learn asbestos history, sources, uses, locations, hazards, and current issues
3. Become familiar with other hazards associated with existing building renovation
4. Gain knowledge about hazardous materials associated with new construction
5. Learn some basics of hazardous waste management associated with building operations and maintenance.

AUDIENCE: | CEU: 0.1

Safety and Security

W2.MA Everything You Wanted to Know About ADA, but Were too Afraid to Ask!

Room: Mariners A

Presenter(s): M. Bradley Gaskins, AIA, CASp, COO, Partner, The McIntosh Group

New Americans with Disabilities Act (ADA) regulations took effect on March 12, 2012. Of those 1,000 new rules, approximately 450 of them will directly affect businesses. Failure to comply could lead to staggering penalties. This session is designed to help understand the new regulations and to better navigate the gray areas. Join us in this informative and interactive session where we get all your ADA questions answered. Please bring your Title III ADA questions for Brad.

Learning Objectives:

1. Discover the most common misunderstood elements of the ADA
2. Learn positive reasons to be compliant
3. Learn the appropriate accessibility standards you should follow
4. Learn answers to your ADA questions

AUDIENCE: INTERMEDIATE | CEU: 0.1

Leadership

W2.TR Reliability Leadership: What you Need to Know

Room: Tropics

Presenter(s): Ramesh Gulati, Reliability Planning Manager, AEDC/ATA-Jacobs

Are you responsible, or accountable, or concerned about delivering a healthier Return On Assets (ROA)? Reliability is not the maintenance department's sole responsibility; it is everyone's responsibility in the organization. This presentation is designed to help you, as a reliability leader, in developing a cohesive reliability strategy that links asset - facility availability - reliability, operations, safety, procurement, design, etc. to achieve operational excellence and to meet expected profitability goals.

Learning Objectives:

1. Why is reliability important
2. Defining/understanding the reliability leader (RL) role
3. Attributes of a leader
4. What it takes to become a reliability leader

AUDIENCE: INTERMEDIATE | CEU: 0.1

Energy

W2.CR Why LEDs? Why Now?

Room: Coral

Presenter(s): Bill Ballweg, Product Development Manager, LED, Acuity Brands - Lithonia Lighting

This presentation addresses the value of using LED technology in facilities today to create an optimal ambient lighting experience. It provides an overview of lighting technology options and describes the benefits of incorporating LED lighting in facilities. Additionally, it provides attendees with a comparison of LED lighting to traditional lighting options, as well as a description of the latest lighting control technology that can optimize the capabilities of LED lighting.

Learning Objectives:

1. Learn about key LED lighting technology advancements
2. Discover key differences between LED lighting and fluorescent lighting

3. Explore energy efficiency and cost saving opportunities by lighting facilities with LEDs

4. Learn sustainability and maintenance benefits of LED lighting with digital control technology

AUDIENCE: BEGINNER | CEU: 0.1

Building Automation,

Sponsored by BACnet International

W2.SS Utilizing BACnet in a Major HVAC Renovation

Room: Shell Seekers

Presenter(s): Tim Skell, Sr. HVAC Application Engineer, ABB Inc.

A multipurpose (factory and office) facility recently underwent a major HVAC renovation, including the addition of a central chiller plant. This renovation will be used as a case study, educating the attendee on how a complete HVAC system operates, energy saving techniques employed, along with how BACnet communications made the building more intelligent and sustainable.

Learning Objectives:

1. Define an overview of how a HVAC system operates
2. Clarify how to use BACnet to create an intelligent building
3. Differentiate how VFDs are used to optimize the system

AUDIENCE: INTERMEDIATE | CEU: 0.1

Building Automation,

Sponsored by BACnet International,

Technology

W2.TB Building Analytics System?

Room: Tradewind B

Presenter(s): Steve Tom, P.E., PhD, Director of Technical Information, Automated Logic Corporation

Analytics systems save energy and money by analyzing data extracted from a building automation system (BAS), identifying equipment that is not performing correctly, and helping the user decide how to correct the problem. Unfortunately, analytics packages also cost money and require many hours of highly skilled labor to install and run. Many of the functions performed by an analytics package can already be performed by an existing BAS. This presentation will show how to use tools already present in most BAS packages to analyze performance, detect anomalies, and save energy.

Learning Objectives:

1. Understand the basic functions of an analytics system
2. Know how analytics packages utilize rules-based logic to identify common problems
3. Understand how properly written alarm logic can spot the same problems while avoiding false alarms
4. Understand how basic tools such as trending reports and "instant replay" can further assist in identifying both operational and equipment problems

AUDIENCE: ADVANCED | CEU: 0.1

Technology

W2.TC Contracted Services Inspections

Tradewind C

Presenter(s): Michael Nutt, Program Manager, DatasplICE

Attend this session to discuss improving quality assurance of contracted services using Maximo and mobile technology. This presentation will provide a case study of a county which worked with over 7 contractors to maintain over 563 square miles of landscape with up to 26 maintenance cycles and 20,000 work orders per year. Learn about a solution where the county organization was having issues utilizing multiple contractors for the same type of contract work and information is required to be collected in Maximo.

Learning Objectives:

1. Analyze the best way to organize multiple contractors
2. Review how to handle up to 26 maintenance cycles per year
3. Examine the best way for up to 20,000 annual work orders to be processed
4. Specify how to use technology in both connected and disconnected mode

AUDIENCE: INTERMEDIATE | CEU: 0.1

Sustainability

W2.TA Innovative Green Cleaning Technologies that Save Money

Room: Tradewind A

Presenter(s): Stephen P. Ashkin, President, The Ashkin Group, LLC

Over the past 10 years, green cleaning has gone from niche to mainstream resulting in increased demand in almost every product category, which in turn has resulted in important innovations. Beyond the innovations such as devices that turn water into an effective cleaning solution; paper made with agricultural waste and rapidly renewable fibers; plastic can liners with 70 percent post consumer recycled content; laundry and ware washing operations that reduce chemicals, energy and water; are just some of the examples of innovative new cleaning technologies. This session will focus on innovative green cleaning technologies that are easy to implement and that can save you money.

Learning Objectives:

1. Indicate which product categories are experiencing growth in the use of new green cleaning technologies
2. Identify specific types of green cleaning products and discuss their usability
3. Verify ways to implement green cleaning technologies

AUDIENCE: INTERMEDIATE | CEU: 0.1

10:00 AM

Energy

W3.CR Six Steps to Help Justify Building Energy Upgrades

Room: Coral

Presenter(s): Richard G. Lubinski, CEM, CDSM, CSDP, CEMSC, BEP, President, Think Energy Management LLC

American businesses sometimes get so focused on the short-term they can lose focus on the big picture, long-term success. Corporations that focus on monthly and quarterly profit alone can miss legitimate investment opportunities available through utility cost control. To get top executives to buy into the value of energy efficiency, facility managers have to take a long-term perspective on energy projects. It may take time, but facility managers who take six proven steps can build a successful energy management strategy for the long haul.

Learning Objectives:

1. Understand the long-perspective for energy projects
2. List the value of bundling energy projects
3. Review utility incentive opportunities
4. Discuss how to measure energy project results

AUDIENCE: BEGINNER | CEU: 0.1

Sustainability, Energy

W3.TA Tax Incentives for Facility Improvements

Room: Tradewind A

Presenter(s): Jacob Goldman, Vice President, Energy Tax Savers, Inc.

This presentation will cover various tax incentives related to buildings. Tax incentives related to energy efficiency, new construction, real estate transactions as well as those for 1 for 1 HVAC replacements will be covered. Case studies on each of the incentives will be presented and examined.

Learning Objectives:

1. Review the current tax incentives related to energy efficiency

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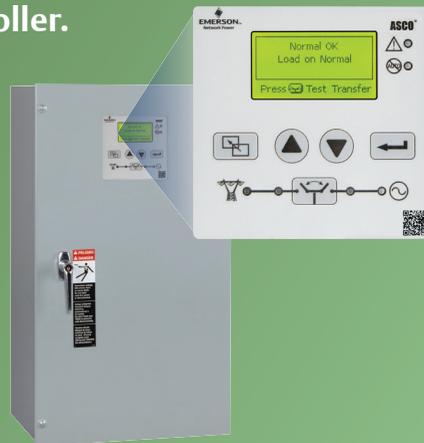
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- List current tax incentives related to 1 for 1 HVAC replacements
- Name current tax incentives related to new buildings and real estate transactions
- Label legislative update on existing and proposed tax incentives related to buildings

AUDIENCE: INTERMEDIATE | CEU: 0.1

Technology

W3.TB Too Hot or Too Cold: Using Technology to Stop Tenant Complaints in Their Tracks

Room: Tradewind B

Presenter(s): Robert Lorenzen, Solutions Architect, Vigilant

Even the most perfectly designed building has mysterious hot and cold spots - or the tenants claim of such spots even when you know otherwise. The monitored use of wireless sensors in conjunction with an intelligent software layer can reveal where these thermal outliers exist, help you identify the root cause of HVAC issues, or even prove that zone temperatures have remained in compliance. This presentation walks through the deployment and intelligent use of sensors and software to minimize these occurrences and help you manage your building's cooling/heating energy use with more insight.

Learning Objectives:

- Justify using historical data to troubleshoot potential issues

- Observe using trended zone temperatures to prove that those hot/cold calls are a result of a change in people's mood not a change in temperature
- Learn how to use data to understand more about the mysterious interactions in your HVAC system
- List how and what type of data can help you troubleshoot issues from your desk so you don't have to physically visit a building or room

AUDIENCE: INTERMEDIATE | CEU: 0.1

Operations and Maintenance

W3.TC Successful School Bond Passages

Room: Tradewind C

Presenter(s): Dr. Rich Bauscher, Superintendent of Schools, Middleton School District

This workshop will provide attendees with the tools for successful bond-passage, starting with the basic ten steps through the design process. Attendees will learn pitfalls to avoid when presenting a bond issue before patrons. AThis workshop provides the knowledge and skills for attendees to successfully pass a referendum, through the formation of a budget, education specification and creation of a wide support base within their community.

Learning Objectives:

- List the 10 steps to bond passage
- Review the bond percentage of passage record
- Name the planning school facilities
- State educational specifications need in a bond

AUDIENCE: BEGINNER | CEU: 0.1

Building Automation, Sponsored by BACnet International

W3.SS Open System Conversions

Room: Shell Seekers

Presenter(s): Rick Fellows, VP, Business Development, KMC Controls

The benefits, steps, and resulting savings of converting Pneumatic Building controls to a BACnet Building Automation system.

Learning Objectives:

- Name the benefits of control system upgrades
- Review how to convert Pneumatic to BACnet
- List the types of system conversions
- Verify the cost of converting and resulting savings

AUDIENCE: INTERMEDIATE | CEU: 0.1

Safety and Security

W3.MA Fire Alarm/Suppression Systems: Common Problems and Practical Solutions

Room: Mariners A

Presenter(s): Steve Carter, Vice President of Engineering, ORR Protection Systems

Fire alarm systems are installed to protect people, the building and its contents, but sometimes they become more of a problem than a protector. By properly inspecting, testing and maintaining your fire systems, you can avoid most, if not all these common problems. If there ever is a fire, you will be held responsible;



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therefore to just hire any company and trust they will do what is required by law to inspect your fire system is not enough. You need to know what the NFPA code requires for proper inspection and testing of your fire system. This session will help you to understand code requirements, what records to keep and how to properly maintain your systems to reduce or even eliminate those costly emergency calls and false alarms.

Learning Objectives:

1. Clarify how reducing emergency fire alarm calls saves time and money
2. Identify the NFPA Standard requirements for all fire alarm systems
3. Learn how to train your staff to address simple and avoidable problems
4. List the what, where and for how long regarding NFPA required record keeping

AUDIENCE: BEGINNER | CEU: 0.1

Operations and Maintenance
W3.MB  **Healthcare Facility Management Compliance**

Room: Mariners B

Presenter(s): David Stepelevich, CHFM, Vice President, Healthcare Building Solutions

Joseph J Watson, PE, CxA, LEED AP, Senior Project Engineer, E3 Designs

Hospitals and healthcare facilities have always been required to meet federal, state, and local jurisdictional requirements for compliance with certain codes and

standards related to the safe occupancy of the facility and the patients it serves. The American Society of Hospital Engineers recently released their comprehensive Healthcare Commissioning (HFCx) Guidelines specifically targeting new and existing healthcare facilities. The new guidelines include proposals to hold the design and commissioning teams accountable for actual building system performance and to develop Healthcare Commissioning training programs eventually leading to an HFCx certification. Attend this session to hear a synopsis of the HFCx commissioning processes for building envelope, life safety elements, HVAC systems and controls, plumbing systems, electrical systems, fire alarm systems, lighting, refrigeration, elevators and more.

Learning Objectives:

1. Learn about ASHE Healthcare Commissioning Guidelines
2. Review about how the guidelines are outlined
3. Understand the important areas of the building according to ASHE

AUDIENCE: INTERMEDIATE | CEU: 0.1

Operations and Maintenance, Safety and Security

W3.TR **Implementing NFPA 70E for Arc Flash Safety**

Room: Tropics

Presenter(s): Daryn Lewellyn, President/Founder, Lewellyn Technology

The practical application of NFPA 70E to real-world electrical safety programs and OSHA compliance can

be confusing and at times overwhelming. In this presentation, Lewellyn Technology Founder/CEO Daryn Lewellyn equips attendees with the knowledge needed to keep their employees safe from electrical hazards. The presentation begins with an explanation of the link between NFPA 70E and OSHA. In our experience, many safety managers ignore or postpone consideration of 70E because it is not expressly an OSHA requirement. Using quotes from OSHA executive officials and anecdotal evidence, we show why 70E is the consensus standard for electrical safety in the workplace, and why it is the best option for OSHA compliance. This presentation is ideal for safety managers looking for more information on NFPA 70E.

Learning Objectives:

1. Learn how OSHA and NFPA 70E work together
2. Learn what changes when implementing NFPA 70E
3. Learn the steps to completing an Arc Flash Hazard Analysis
4. Learn why the NFPA 70E tables can't direct PPE usage

AUDIENCE: INTERMEDIATE | CEU: 0.1

2:10 PM

Operations and Maintenance

W4.TA **Codes Laws and Common Sense Fire Doors**

Room: Tradewind A

Presenter(s): Bob Cullum, AHC, FDAI, Consultant, ASSA ABLOY

John Hunepohl, Director of Education, ASSA ABLOY

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In this session, experts demonstrate the process of inspecting fire doors, discuss and interpret applicable NFPA codes and provide a checklist for inspections you can perform to help your facility maintain a safer building. Inspecting fire doors not only saves lives, but also increases the adherence you have to your tenants and reduce liability.

Learning Objectives:

1. Classify the 13 points of Fire Door Inspections
2. List the 11 points of Egress Door Inspections
3. Identify the most common code violations
4. Exampine solutions for the most common code violations

AUDIENCE: INTERMEDIATE | CEU: 0.1

Operations and Maintenance

W4.TC The Cost of Downtime- Preventing Blackouts

Room: Tradewind C

Presenter(s): Jeremy Whiddon, National Director of Specialty Products, Atlas Oil Company

In our highly technical world, facilities of all types have become increasingly susceptible to blackouts that have damaging financial impacts. Having back-up generators in place is only step one in emergency preparedness planning. There is a lot more that goes into keeping the lights on at your facility. This session will answer questions including: How much generator fuel will you need and how will you get it if local refineries are shuttered? Do you need an Uninterruptible Power

Supply (UPS) system in place? How often should you test your back-up power systems?

Learning Objectives:

1. Gain knowledge about back-up generators, emergency fueling and UPS systems
2. Learn the impact a power outage or blackout can have on your facility
3. Review lessons learned from past case studies of emergency power failures
4. Best practices for selecting emergency preparedness partners and vendors.

AUDIENCE: INTERMEDIATE | CEU: 0.1

Leadership

W4.TR Authentic Leadership

Room: Tropics

Presenter(s): Jamey French, Owner/Founder, Dreamality Group, LLC

To accomplish great things means you have to be a leader. Not just any kind of leader, an Authentic Leader, one that people want to follow, not one they have to follow. Being an authentic leader is having a clear understanding of what motivates and inspires people to follow. Moving your team from being compliant to committed is not enough, most leaders can do that. Moving your team from committed to fully engaged is the goal of the authentic leader. This session will look at what it takes to accomplish great things and engage your team fully while being authentically you!

Learning Objectives:

1. Learn how to use your experiences (stories) to

2. develop a leadership style that is uniquely you
2. Differentiate yourself from other leaders and connect to your team
3. Create a clear understanding of leadership communication skills that convey empathy vision and a passion for serving

AUDIENCE: INTERMEDIATE | CEU: 0.1

Energy

W4.CR Top 5 Energy Management Analytics

Room: Coral

Presenter(s): James Walton, Vice President of Business Development, EnTouch Controls

Energy usage data is fast becoming the most important tool for building owners and managers who are looking to increase their sustainability and boost profitability. But there is a lot of data, and analytics are the tools that make sense of the abundance of data. In this presentation, James Walton, Vice President Sustainability of EnTouch Controls, will provide an overview of energy management data and of analytics. In addition, he will discuss the five key analytics covering HVAC usage, user behavior and vacancy usage that allow building owners and managers to better manage energy spending and minimize maintenance costs.

Learning Objectives:

1. Reivew the types of data that building owners can obtain from EMS or BA systems
2. Understand what analytics are and what tools are needed to convert data into analytics



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3. Learn the business problems you can impact with analytics
4. List the cost benefits that can be expected from managing with analytics

AUDIENCE: INTERMEDIATE | CEU: 0.1

Safety and Security

W4.MA Critical Building Recovery

Room: Mariners A

Presenter(s): Ryan Rusler, Executive Account Manager, Har-Bro Restoration

Building operators spend a lot of time and money on the initial emergency response when creating preparedness initiatives. When in actuality, most emergency related events start and end in less than 7 minutes. The initial emergency response is vital to the safety of your staff and tenants. However, who plans for what is to come in the hours, days, weeks and months following a building emergency?

Learning Objectives:

1. Examine critical building recovery after the fire and police department leave
2. Discuss public and private sector partnerships
3. Review insurance and risk planning
4. Analyze indoor air quality concerns

AUDIENCE: BEGINNER | CEU: 0.1

Operations and Maintenance

W4.MB Strategies for Protecting Your Building from Water Damage

Room: Mariners B

Presenter(s): Laurie Conner, President and CEO, The Detection Group, Inc.

Damage from water leaks in buildings is the #1 source of insurance loss claims, more than fire and theft combined. What starts as a slow drip can become either a flood, or a difficult-to-address problem of mold growth. The presenter will discuss the most common sources of building leaks and what solutions are on the market today. With the advent of wireless technologies, water leak detection has become a cost-effective method for 24/7 monitoring of your buildings for leaks. Case studies will be presented to show how an ideal system would work, and the benefits (and costs) resulting from actual installations.

Learning Objectives:

1. State why you should be concerned with water leaks
2. Explain the sources of building water leaks
3. Review alternative solutions to monitor for leaks and shut off the water
4. Analyze case studies and design considerations

AUDIENCE: BEGINNER | CEU: 0.1

Technology

W4.TB New Boiler Chemistry Control Technology

Room: Tradewind B

Presenter(s): Brian Jenkins, Global Industry Development Manager, Nalco, an Ecolab Company

Thomas S. Hughes, Senior Industry Technical Consultant, Nalco, an Ecolab Company

The boiler is an integral part of most manufacturing plant processes, supplying steam for several manufacturing steps. Steam production reliability is a critical process component, and good water treatment is key to maintaining reliable steam production. Recent

developments can now make it easier for steam plant operations staff to maintain consistent, proactive boiler feedwater treatment. This session reviews the current state of boiler water chemistry control, as well as two significant, new technologies. Case studies from several different manufacturing facilities, including an aerospace facility, document the use of these technologies, made up of data comparisons and ROI assessments.

Learning Objectives:

1. Learn how reliable steam production is essential for plant utility steam operations that support production
2. Understand that control of scale and corrosion in boilers is challenging and becoming even more so
3. Review two new technologies that make control substantially easier

AUDIENCE: INTERMEDIATE | CEU: 0.1

3:10 PM

Safety and Security

W5.MA Using Industrial Coatings in Architectural Spaces

Room: Mariners A

Presenter(s): Steven Reinstadtler, Marketing Manager, Construction Coatings, Bayer Material Science

Facility decision makers are looking to migrate the attributes of industrial maintenance coatings into the architectural space in order to reduce operation and maintenance costs. This presentation will cover building decision maker research, new high performance coatings technology testing and comparison, and examples of use. Applicable architectural spaces include high touch, high scrub areas such as walls, doors, and trim in buildings such as healthcare, education, hospitality, and government.

Learning Objectives:

1. Learn about facility manager market research conducted related to paints and coatings preferences
2. Review the three major unmet needs in commercial and institutional spaces
3. Understand new high performance coatings technology developed for high touch high scrub
4. Review side-by-side comparative testing results based on facility manager preferences for the three major unmet needs

AUDIENCE: INTERMEDIATE | CEU: 0.1

Energy

W5.CR Micro Grids

Room: Coral

Presenter(s): Larry Thrall, Managing Partner, Vireo Energy Finance

Edric Guise, Managing Partner, Vireo Energy Finance

Learning Objectives:

1. Review micro grid finance
2. Examine micro grid evaluation
3. List micro grid technologies

AUDIENCE: BEGINNER | CEU: 0.1

Technology, Operations and Maintenance

W5.MB Improving Your Bottom Line Operations with Submetering

Room: Mariners B

Presenter(s): Troy Hull, Director, Metering Solutions, Leviton

Discover how energy monitoring systems in today's marketplace can be employed to maximize efficiency, reduce waste and help in understanding how to better purchase energy. The session will include a deep dive into the benefits of sub-metering and energy monitoring; a comprehensive look at today's technology and how to achieve maximum return on investment, significant risk reduction and improved levels of conservation to reach sustainability objectives.

Learning Objectives:

1. Gain a full understanding of the opportunity for electrical sub-metering
2. Address strategies for using today's technology to maximize the investment in sub-metering
3. Identify ROI for implementation on existing otherwise un-metered properties
4. Learn how to select meters and data acquisition solutions to meet sustainability goals and objectives that deliver energy savings

AUDIENCE: BEGINNER | CEU: 0.1

Safety and Security

W5.TA Codes Laws and Common Sense Regarding Egress Doors

Room: Tradewind A

Presenter(s): Bob Cullum, AHC, FDAI, Consultant, ASSA ABLOY

John Hunepohl, Director of Education, ASSA ABLOY

Attend part 2 of this series to learn about new NFPA [National Fire Protection Association] standards requiring annual egress doors inspections and some common violations. This lecture is a companion lecture to Fire Labeled Openings session. This session will also give you a starting point for executing your planned inspection program as required by NFPA.

Learning Objectives:

1. List the 11 points of Egress Door Inspections
2. Identify the most common code violations
3. Identify solutions for the most common code violations

AUDIENCE: BEGINNER | CEU: 0.1

Technology, Operations and Maintenance

W5.TC Make Your Facilities Data a Strategic Asset

Room: Tradewind C

Presenter(s): Johnny Bofilios, Enterprise Asset Management Consultant, AssetAnalytix

Do you treat your facilities data as an asset? In many organizations, the integrity and quality of facilities asset data is often questionable, although it is absolutely essential for trustworthy and meaningful analysis. Reliable, informed decision-making based on judgment and experiences should be reinforced by in-depth data analysis. Leaders cannot trust analysis and reports developed on the basis of partially accurate, inconsistent and incomplete data. End-users across an organization sometimes do not value the importance of standardized, consistent data entry, leading to data quality issues.

Learning Objectives:

1. Improve the integrity and quality of facilities asset data
2. Learn to treat your facilities data as an asset

AUDIENCE: INTERMEDIATE | CEU: 0.1

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714-778-6070
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We are a full service national fire life and safety vendor that specializes in testing, inspecting servicing and maintaining fire alarm, sprinkler, special hazard and foam systems. What makes us so unique is that we partner with our clients and help them to improve and streamline their fire life and safety requirements with our state of the art inspection tracking system called LiNC.



Viconics Technologies Inc.

Booth# 417
9245 Langelier Blvd.
St. Leonard, QC H1P 3K9
514-321-5660
www.viconics.com

Viconics HVAC control systems, not only provide greater energy savings with on-board passive infrared occupancy sensors, but also offer

unparalleled flexibility through the use of open communication protocols. Reusing existing building wiring and eliminating the need for additional commissioning tools allowed us to simplify the installation and commissioning process and drastically reduced your total installed cost.

Visual Workplace Inc.

Booth# 531
7381 Ardith Court
Byron Center, MI 49315
616-583-9400
www.visualworkplaceinc.com

WaterSignal

Booth# 227
510 Staghorn Court
Alpharetta, GA 30004
877-704-0980
www.watersignal.com

Cooling tower valve stuck open overnight? Irrigation system ran all weekend? Underground water leak? How do you know? WaterSignal is a real-time water monitoring, management, and alert system that continuously measures domestic, cooling tower, and irrigation water meters and sends immediate notifications to cell phones and email accounts. Reduce water costs by 14 percent with a 6-12 month payback.

Whittaker Co., RE

Booth# 434
302 S. Croton Ave.
New Castle, PA 16101
800-422-7686
www.whittakersystem.com

Whittaker, an industry leader in Carpet Productivity™, specializes in superior interim carpet maintenance. Our SmartCare® Carpet System is a low-moisture soil encapsulation and pile lifting method, which greatly extends carpet life. It includes the Green Seal and WoolSafe certified Crystal Dry Extra® chemistry and maneuverable, twin-cylindrical brush LOMAC® Machine. Easily eliminate spots with Whittaker's patented Carpet Roamer® spotting tool.



Zenaro Lighting Inc.

Booth# 606
3618 Quantum Blvd., Boynton Beach, FL 33426
561-424-2444
www.zenarolighting.com

Zenaro manufactures and distributes LED lamps and fixtures to all of North and South America from the company headquarters in Boynton Beach, Florida. Zenaro provides facilities with a comprehensive product line that saves energy and maintenance costs in every lighting category. Zenaro is structured to provide customer service on any scale from individual lighting projects to the largest commercial facilities.



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National Facilities Management & Technology June 2-3, 2015 • Fort Worth, Texas

A Free conference and expo for those responsible for the design, construction and ongoing operations of high-performance buildings.

NFMT.com/HighPerformance

NFMTVEGAS Booth #621

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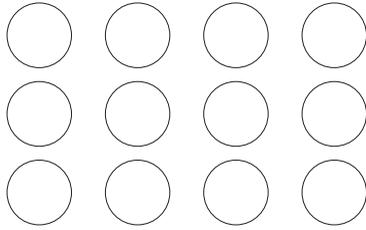
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401

501



Entrance



Exhibit Hall Map

Mandalay Bay, South Pacific Ballroom

BUILDING OPERATING MANAGEMENT'S NFMTVEGAS

KEY

Restrooms



NFMT Cafe



Main Stage



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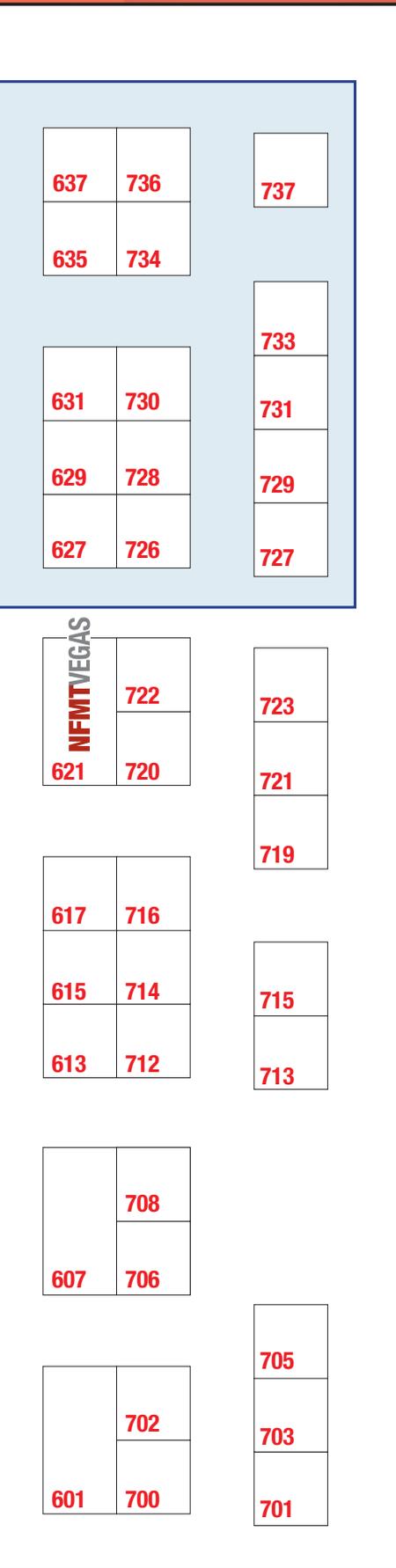
Expo Hall Events

TUESDAY

Noon – 4:00 p.m.	Exhibit Hall Open
2:45 p.m.	BACnet International Awards and \$1,000 Prize Drawing (Main Stage)
3:00 – 4:00 p.m.	Networking Party sponsored by BACnet International
4:00 – 5:00 p.m.	Solutions Exchange

WEDNESDAY

11:00 a.m. – 2:00 p.m.	Exhibit Hall Open
1:45 p.m.	\$1,000 Prize Drawing (Main Stage)



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From the Desert to the Beach – We are flying south next year!

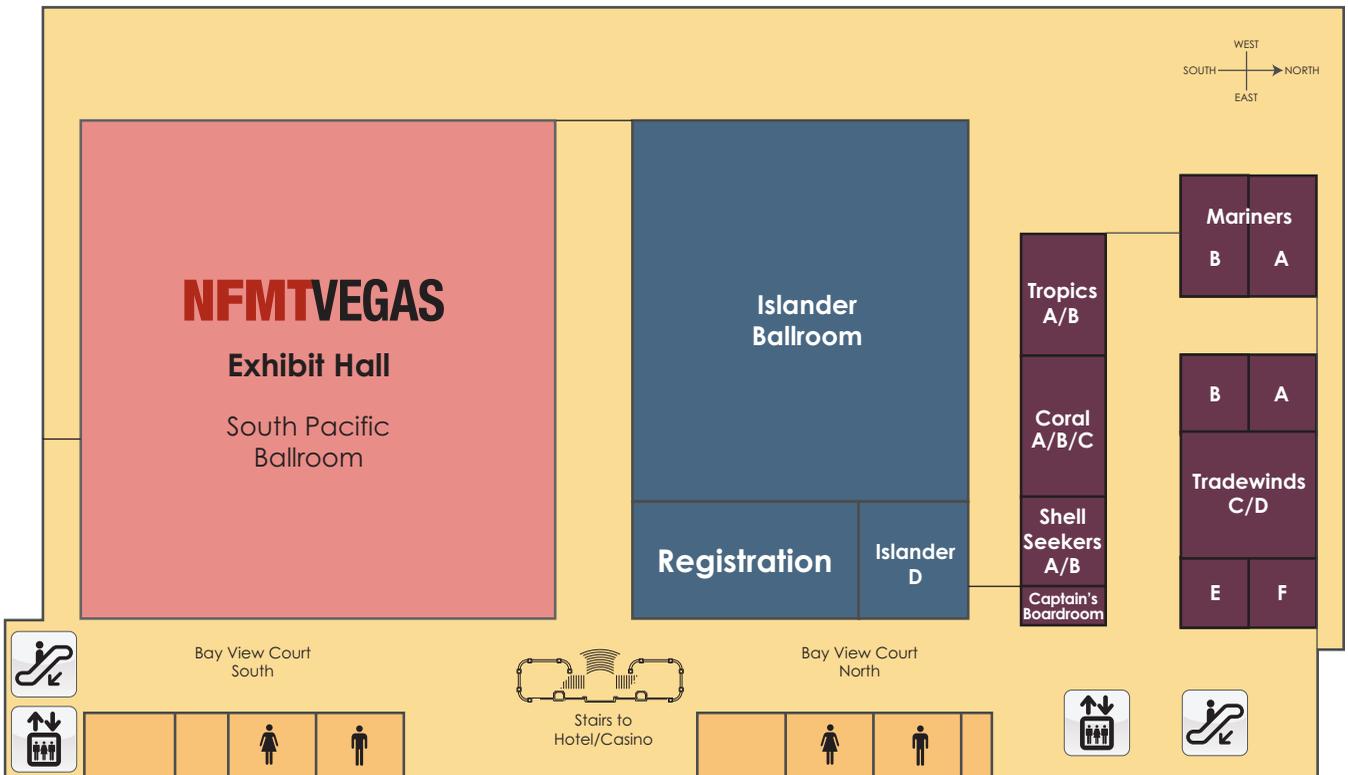
SAVE THE DATE – NFMT Orlando will be debuting on October 27-28, 2015 at the Orange County Convention Center.

Same topics, same speakers, same complimentary registration, new location! We hope you'll be able to join us in the sunshine state next fall, but don't worry, NFMT Vegas will be back on the strip in the fall of 2016!

Watch your email for additional information about both NFMT Vegas and NFMT Orlando.

BUILDING OPERATING MANAGEMENT'S
NFMT™ ORLANDO
 National Facilities Management & Technology October 27-28, 2015

Conference Map



Show Hours

TUESDAY

8:00 – 11:50 a.m.	Conference Sessions
Noon – 4:00 p.m.	Exhibit Hall Open
2:45 p.m.	\$1,000 Prize Drawing
3:00 – 4:00 p.m.	Networking Party
4:00 – 5:00 p.m.	Solutions Exchange

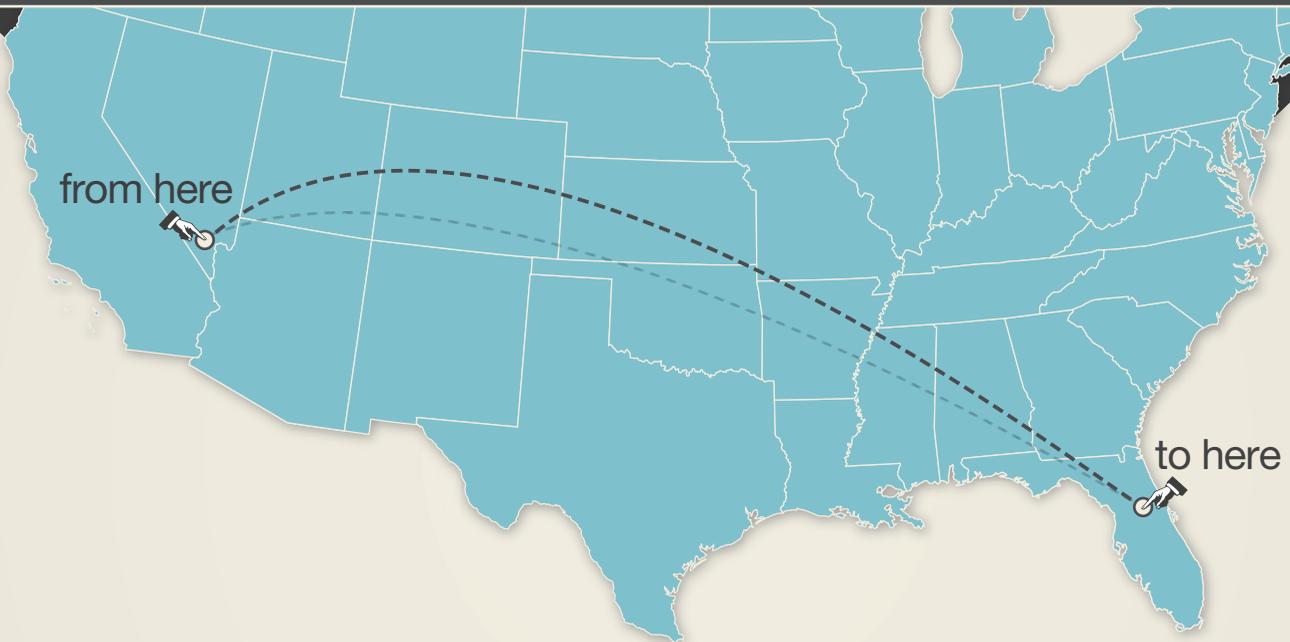
WEDNESDAY

8:00 – 10:50 a.m.	Conference Sessions
11:00 a.m. – 2:00 p.m.	Exhibit Hall Open
1:45 p.m.	\$1,000 Prize Drawing
2:10 – 4:00 p.m.	Conference Sessions

Islander D	Solutions Exchange, Women in FM
Tradewinds E	Speaker Ready Room
Islander Ballroom	2015 Exhibit Space Selection/ Exhibitor Lounge/Show Office
Captain's Boardroom	Member Lounge
Registration	

BUILDING OPERATING MANAGEMENT'S **NFMT**TMVEGAS

Is Florida-bound Next Year.



Note the new location.
Then save the date.

October 27-28, 2015 • Orange County Convention Center

The location is new, but the educational sessions, exhibit hall and networking opportunities will stay the same. (And by “same” we mean outstanding.)

More details available at NFMT.com/Orlando.

BUILDING OPERATING MANAGEMENT'S **NFMT**TMORLANDO

National Facilities Management & Technology October 27-28, 2015 • Orange County Convention Center

NFMTVEGAS Booth #621

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WEDNESDAY

- 8:00 – 10:50 a.m. Conference Sessions
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- 1:45 p.m. \$1,000 Prize Drawing
- 2:10 – 4:00 p.m. Conference Sessions

Welcome to the 2014 NFMT Vegas Conference and Expo!

Striking a balance is sometimes easier said than done, but at this year's NFMT Vegas, I think you'll agree that we have reached equilibrium. From sessions that offer a high-octane blend of technology and strategy, to an expo hall brimming with proven technologies and innovative solutions, to networking events that offer a chance to connect with old friends and new colleagues, NFMT Vegas will keep you well grounded in the techniques and tactics for success.



Looking for some new ideas to deepen your roots in this industry? Larry Morgan presents "Sustainability: FM Practitioners Guide" on Tuesday morning. Next, join Teena Shouse for her session, "The Future FM Workforce: Build an Integrated

Talent Management Plan," at 10:00am. Later that day, a range of sessions focus on building automation, workforce strategies, emergency response and building enclosures. As Tuesday wraps up, be sure to attend the Opening Night Networking Party right in the exhibit hall at 3:00pm followed by the rapid-learning Solutions Exchange event at 4:00 p.m. (and just to prove we know how to mix business and pleasure, this exchange features cold beer!)

Kick off your Wednesday with the "Women in FM" panel, sponsored by Sodexo, back again this year on Wednesday morning at 8:30am. Hear what some of the high-level facilities managers have to say about women working in this industry and their own quest for life-work balance. Be sure to look through this directory for more education sessions such as the CMMS Panel—a great way to fully understand software and its potential for savings

A final note on balance: We'll be doing a balancing act of our own next year, as we head to new destination for NFMT: Orlando! We will return to Las Vegas in 2016 continuing to alternate between these two exciting, dynamic locations to give our participants the best of both worlds. Stay tuned for more details after this year's show!

I'm thrilled to offer a heartfelt thank you to all of the attendees, exhibitors, and speakers who are a part of NFMT Vegas 2014. We hope you achieve a little harmony of your own at the show this year and walk away with a collection of new information and ideas.

Best regards,

Wendy Dietzler

Wendy Dietzler
Vice President, Education & Conferencing
NFMT Vegas
wendy.dietzler@tradeexpress.com

Thank You to Our Sponsors



— BOOTH #413 —

SPONSOR OF
Opening Night Reception

BACnet International is an industry association that facilitates the successful use of the BACnet protocol in building automation and control systems through interoperability testing, educational programs, and promotional activities. The BACnet standard was developed by ASHRAE and has been made publicly available so that manufacturers can create interoperable systems of products.

<http://www.bacnetinternational.org>



QUALITY OF LIFE SERVICES

— BOOTH #523 —

SPONSOR OF
Women in Facilities Management Breakfast

Sodexo increases our client's competitiveness by delivering innovative workplace solutions that improve the building environment, increase employee engagement, and enhance workplace and organizational effectiveness. Ultimately, our commitment to Quality of Daily Life delivers tangible business outcomes and shareholder value at all levels of the organization. Stop by our exhibit booth to learn more about technical facilities careers at Sodexo.

<http://www.sodexousa.com>

Additional Sponsors



— BOOTH #427 —



— BOOTH #526 —

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Diamond:



— BOOTH #412 —



— BOOTH #513 —

Copper:



— BOOTH #417 —

Event Partners



— BOOTH #120 —



— BOOTH #115 —



— BOOTH #413 —



— BOOTH #123 —



— BOOTH #129 —



— BOOTH #223 —



— BOOTH #728 —



— BOOTH #127 —

Building Better with



2014 BACnet International Sessions at NFMT Vegas:

<u>Session Title</u>	<u>Presenter</u>	<u>Date/Time</u>
LED Lighting: An Automation Armageddon	Andy McMillan BACnet International	Tuesday 8:00 AM - 8:50 AM
Building Sustainability Through Building Automation	Ben Dorsey	Tuesday 9:00 AM - 9:50 AM
Using BACnet to Obtain Free LEED Credits	Mike Olson ABB, Inc.	Tuesday 10:00 AM - 10:50 AM
The Facility Manager's Guide to Building Automation Systems	Grant Wichenko, P.E. Appin Associates	Tuesday 11:00 AM - 11:50 AM
Integration Best Practices	Chris Hollinger Siemens Building Technologies, Inc.	Tuesday 11:00 AM - 11:50 AM
Do We Really Want Intelligent Buildings?	Ben Dorsey	Wednesday 8:00 AM - 8:50 AM
Utilizing BACnet in a Major HVAC Renovation	Tim Skell ABB, Inc.	Wednesday 9:00 AM - 9:50 AM
BAS: Building Analytics System?	Steve Tom, P.E., PhD Automated Logic Corporation	Wednesday 9:00 AM - 9:50 AM
Open System Conversions	Rick Fellows KMC Controls	Wednesday 10:00 AM - 10:50 AM

Connect with us online at
www.BACnetInternational.org



Visit us in
Booth 413



Show Highlights

Tuesday | OCT 7

8:00am | Tradewind C

Facility Maintenance Decisions Achievement Awards

Attend this exceptional session where the winners of the 2014 Achievement Awards will speak to the success of their completed projects as well as offer up a few lessons learned. These awards are meant to celebrate the central role that maintenance and engineering managers play in the efficient operation of the nation's institutional and commercial facilities. You are welcome to review the details of the winning projects before this special presentation at NFMT Vegas. Please see page 14 for more information.

2:45pm | Exhibit Hall - Main Stage

BACnet International's Leaders of the Pack Awards

BACnet International shows their appreciation to individuals and companies who are involved in their community during this presentation. This annual ceremony allows BACnet International members to commemorate and recognize the hard work, commitment, and achievements of their peers.

2:45pm | Exhibit Hall - Main Stage

\$1,000 Grand Prize Drawing

It pays to spend time in the Exhibit Hall in multiple ways...this one pays in cash! This is the first of two drawings for a \$1,000 prize at NFMT Vegas. The drawing will take place on the main stage, and you must be present to win. Please see the ballot in your tote bag for complete rules and regulations.

3pm-4pm | Exhibit Hall - Main Stage

Opening Night Networking Party

Join your fellow facility professionals in celebrating the first day of NFMT Vegas. Mingle with others while enjoying free appetizers and cocktails on the exhibit floor.

Sponsored by BACnet International 

4pm-5pm | Islander D

Solutions Exchange Networking Event

You'll find yourself engaged in dynamic discussions regarding the critical topics of facilities management in this round-robin style session. As you sit among your peers, join in on the exchange of ideas facilitated by some of the top suppliers and experts serving the facilities industry. Each table discussion lasts 20 minutes before it's time to move on to the next one. Participants have the opportunity to join in on up to three table discussions. Please see page 6 for more information.

Wednesday | OCT 8

8:30am | Islander D

Women in Facilities Management

For the second year at NFMT Vegas, our Women in Facilities Management panel is expected to be a hit. Hear what a few of the industry's leaders have to say about women working in this historically male dominated industry, and join in on the dialogue. This will be an interesting and thought-provoking discussion in which everyone is invited to attend. Please see page 22 for more information.

Sponsored by Sodexo



1:45pm | Exhibit Hall - Main Stage

\$1,000 Grand Prize Drawing

It pays to spend time in the Exhibit Hall in multiple ways...this one pays in cash! This is the final drawing for a \$1,000 prize at NFMT Vegas. The drawing will take place on the main stage, and you must be present to win. Please see the ballot in your tote bag for complete rules and regulations.

Both Days

Exhibit Hall

VIP Pin Program

You didn't know that you're VIP? You are at NFMT Vegas! In your tote bag, you will find a VIP pin. Wear it and connect with any of the outstanding exhibitors in the Exhibit Hall for your chance to win cash on the spot. The undercover Vegas Prize Team will select winners at random. You have a chance to win \$50 cash on October 7 and \$100 cash on October 8.

Exhibit Hall

Lunch is on Us!

Everyone will have worked up appetites come lunchtime, so NFMT Vegas provides a complimentary \$8 off lunch coupon, found in your tote bag. The coupon is only redeemable at the food station inside the exhibit hall.

Social Media

We love to hear from our attendees all year round. Share your thoughts and opinions, participate in contests, and stay up to date on all facilities management information, specific NFMT details, and a whole lot more.





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NFMTVEGAS Booth #513

Solutions Exchange

Tuesday | **OCT 7**

4:00 – 5:00 p.m. | Islander D

This fast-pace, round-robin event puts you in the driver seat. Join three topic tables for 20 minutes each. Attend this event to network and brainstorm – with both industry experts and your peers – on critical topics that affect your decision-making outcomes. This is an exclusive opportunity for you to have input on the conversation. Each discussion table only holds 8 attendees per round. Choose up to **THREE** topics from the list below:

Free Beer for All Participants!

TABLE TOPIC AND DESCRIPTION:

Optimizing the Use of VFDs in Your Facility

Discuss how VFDs should be applied, controlled, and maintained in a HVAC system. Learn how VFDs can pay for themselves in less than 2 years in many retrofit applications.

Spot Cooling Solutions for Every Facilities Manager

You'll walk away with a handy ten-point checklist to help with your next air conditioning emergency, plus you'll get answers to questions you never thought to ask. Join our discussion to learn how to use portable air conditioning as an affordable solution for backup, emergency, supplemental, primary and disaster recovery cooling.

Find and Communicate with Qualified Vendors

Learn how you can find qualified vendors for your facility's projects. Whether it's new construction, maintenance, or an emergency service contract, we'll discuss how you can target your vendor searches and expedite communication. We will also review how you can distribute project documents online - drawings, specifications, photographs, videos, etc.

Why Maintenance Planning and Scheduling is Critical

Attend this discussion to learn how maintenance management in terms of work order planning and scheduling, material procurement, and project management are essential to creating a high-performance maintenance department.

Bridging the Gap Between Capital Planning & Operational Maintenance Programs

Often times a large gap exists between the realities of maintaining a facility and the strategic view of the capital program. Data about value, condition, age, and function, as well as maintenance and renewal needs, is often scattered across multiple locations. Join us to exchange best practices and discuss solutions.

Top Reasons Why a Mobile CMMS is Essential

Your maintenance technicians have enough to juggle. Equipping them with a mobile CMMS that's easy to use on the go will help increase the productivity of your entire maintenance department. We'll discuss the reasons why a mobile CMMS is so critical in today's workplace and how a mobile work force can become a reality in your organization.

Electrical Safety and What You Must Know

When looking at OSHA's top 10 most violated standards list, 3 of the top 10 are electrical violations. Is your facility or site currently compliant? Would you like to better understand how you can meet the compliances while at the same time keep your workers safe? Attending this discussion will give you the knowledge and expertise to implement a safe and compliant electrical workplace!

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NFMTVEGAS Booth #412

Sessions at-a-glance

Tuesday | OCT 7

8:00-8:50 a.m.

- Coral T1.CR** Optimizing HVAC Efficiency: Strategies for Savings
Shell Seekers T1.SS LED Lighting: An Automation Armageddon
Tradewind C T1.TC Lessons Learned from FMD Achievement Award Winners
Tropics T1.TR Sustainability: FM Practitioners Guide

9:00-9:50 a.m.

- Coral T2.CR** Energy Management in Existing Buildings
Mariners A T2.MA The Owners Role in Inspection, Testing, and Maintenance of Water Based Fire Protection Systems
Mariners B T2.MB How to Specify Commercial Flooring
Shell Seekers T2.SS Building Sustainability Through Building Automation
Tradewind A T2.TA Finding Value in Building Enclosure Commissioning
Tradewind B T2.TB Understanding the Importance and Value of BIM for Facilities Management
Tradewind C T2.TC Implementing Self-Directed Maintenance Teams
Tropics T2.TR 3rd Party Maintenance Outsourcing: New Competitive Pressure for FM's

10:00-10:50 a.m.

- Coral T3.CR** Energy Efficiency: Taking Advantage of the World's Most Important Fuel
Mariners A T3.MA Emergency Response Plan
Mariners B T3.MB Is Your Facility Ready for an OSHA Audit?
Shell Seekers T3.SS Using BACnet to Obtain Free LEED Credits
Tradewind A T3.TA Ensuring a Clean, Green, and Healthy Indoor Environment
Tradewind B T3.TB Technology for a Global Workforce

- Tradewind C T3.TC** LED Lighting: Less Secrets, More Surprises
Tropics T3.TR The Future FM Workforce: Build an Integrated Talent Management Plan

11:00-11:50 a.m.

- Coral T4.CR** Water Benchmarking: Cut Your Bottom Line
Mariners A T4.MA ADA Compliance: An Ounce of Prevention is Worth a Pound of Cure
Mariners B T4.MB Back to Basics: Scheduling and Planning is Key for Maintenance
Shell Seekers T4.SS The Facility Manager's Guide to Building Automation Systems
Tradewind A T4.TA Achieving Zero Waste: Transitioning from the 3Rs to the 3Cs
Tradewind B T4.TB Integration Best Practices
Tropics T4.TR Survivability of the FM: Utilizing Expertise Instead of Management, Direction and Control

Noon - 4:00 p.m. Exhibit Hall Open

- 2:45 p.m. BACnet International Leader of the Pack Awards \$1,000 Prize Drawing**
3:00-4:00 p.m. Networking Party Sponsored by BACnet International
4:00-5:00 p.m. Solutions Exchange

Wednesday | OCT 8

8:00-8:50 a.m.

- Shell Seekers W1.SS** Do We Really Want Intelligent Buildings?
Tradewind A W1.TA Four Concepts for Project Quality and Asset Sustainability
Tradewind C W1.TC CMMS Panel

8:30-9:50 a.m.

- Islander D W1.TR** Women in Facilities Management

9:00-9:50 a.m.

- Coral W2.CR** Why LEDs? Why Now?
Mariners A W2.MA Everything You Wanted to Know About ADA, but Were too Afraid to Ask!
Mariners B W2.MB Hazardous Materials Concerns for a Facility Manager
Shell Seekers W2.SS Utilizing BACnet in a Major HVAC Renovation
Tradewind A W2.TA Innovative Green Cleaning Technologies that Save Money
Tradewind B W2.TB BAS: Building Analytics System?
Tradewind C W2.TC Contracted Services Inspections
Tropics W2.TR Reliability Leadership: What you Need to Know

10:00-10:50 a.m.

- Coral W3.CR** Six Steps to Help Justify Building Energy Upgrades
Mariners A W3.MA Fire Alarm/Suppression Systems: Common Problems and Practical Solutions
Mariners B W3.MB Healthcare Facility Management Compliance
Shell Seekers W3.SS Open System Conversions
Tradewind A W3.TA Tax Incentives for Facility Improvements

- Tradewind B W3.TB** Too Hot or Too Cold: Using Technology to Stop Tenant Complaints in Their Tracks
Tradewind C W3.TC Successful School Bond Passages
Tropics W3.TR Implementing NFPA 70E for Arc Flash Safety

Noon - 4:00 p.m. Exhibit Hall Open

- 1:45 p.m. \$1,000 Prize Drawing**

2:10-3:00 p.m.

- Coral W4.CR** Top 5 Energy Management Analytics
Mariners A W4.MA Critical Building Recovery
Mariners B W4.MB Strategies for Protecting Your Building from Water Damage
Tradewind A W4.TA Codes Laws and Common Sense Fire Doors
Tradewind B W4.TB New Boiler Chemistry Control Technology
Tradewind C W4.TC The Cost of Downtime-Preventing Blackouts
Tropics W4.TR Authentic Leadership

3:10-4:00 p.m.

- Coral W5.CR** Micro Grids
Mariners A W5.MA Using Industrial Coatings in Architectural Spaces
Mariners B W5.MB Improving Your Bottom Line Operations with Submetering
Tradewind A W5.TA Codes Laws and Common Sense Regarding Egress Doors
Tradewind C W5.TC Make Your Facilities Data a Strategic Asset



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Tracks at-a-glance

Building Automation, Sponsored by

- Shell Seekers T1.SS** LED Lighting: An Automation Armageddon
- Shell Seekers T2.SS** Building Sustainability Through Building Automation
- Shell Seekers T3.SS** Using BACnet to Obtain Free LEED Credits
- Shell Seekers T4.SS** The Facility Manager's Guide to Building Automation Systems
- Tradewind B T4.TB** Integration Best Practices
- Shell Seekers W1.SS** Do We Really Want Intelligent Buildings?
- Shell Seekers W2.SS** Utilizing BACnet in a Major HVAC Renovation
- Tradewind B W2.TB** BAS: Building Analytics System?
- Shell Seekers W3.SS** Open System Conversions

Energy

- Coral T1.CR** Optimizing HVAC Efficiency: Strategies for Savings
- Coral T2.CR** Energy Management in Existing Buildings
- Coral T3.CR** Energy Efficiency: Taking Advantage of the World's Most Important Fuel
- Coral T4.CR** Water Benchmarking: Cut Your Bottom Line
- Coral W2.CR** Why LEDs? Why Now?
- Coral W3.CR** Six Steps to Help Justify Building Energy Upgrades
- Tradewind A W3.TA** Tax Incentives for Facility Improvements
- Coral W4.CR** Top 5 Energy Management Analytics
- Coral W5.CR** Micro Grids

Leadership

- Tropics T1.TR** Sustainability: FM Practitioners Guide
- Tropics T2.TR** 3rd Party Maintenance Outsourcing: New Competitive Pressure for FM's
- Tradewind C T2.TC** Implementing Self-Directed Maintenance Teams
- Tropics T3.TR** The Future FM Workforce: Build an Integrated Talent Management Plan
- Tropics T4.TR** Survivability of the FM: Utilizing Expertise Instead of Management, Direction and Control
- Islander D W1.TR** Women in Facilities Management
- Tropics W2.TR** Reliability Leadership: What you Need to Know
- Tropics W4.TR** Authentic Leadership

Operations and Maintenance

- Tradewind C T1.TC** Lessons Learned from FMD Achievement Award Winners
- Mariners B T2.MB** How to Specify Commercial Flooring
- Tradewind C T2.TC** Implementing Self-Directed Maintenance Teams
- Tradewind C T3.TC** LED Lighting: Less Secrets, More Surprises
- Mariners B T3.MB** Is Your Facility Ready for an OSHA Audit?
- Tradewind C T4.TC** Implementation of an Enterprise Wide CMMS
- Mariners B T4.MB** Back to Basics: Scheduling and Planning is Key for Maintenance
- Tropics W3.TR** Implementing NFPA 70E for Arc Flash Safety
- Mariners B W3.MB** Healthcare Facility Management Compliance
- Tradewind C W3.TC** Successful School Bond Passages

- Mariners B W4.MB** Strategies for Protecting Your Building from Water Damage
- Tradewind A W4.TA** Codes Laws and Common Sense Fire Doors
- Tradewind C W4.TC** The Cost of Downtime-Preventing Blackouts
- Tradewind C W5.TC** Make Your Facilities Data a Strategic Asset
- Mariners B W5.MB** Improving Your Bottom Line Operations with Submetering

Safety and Security

- Mariners A T2.MA** The Owners Role in Inspection, Testing, and Maintenance of Water Based Fire Protection Systems
- Mariners B T3.MB** Is Your Facility Ready for an OSHA Audit?
- Mariners A T3.MA** Emergency Response Plan
- Mariners A T4.MA** ADA Compliance: An Ounce of Prevention is Worth a Pound of Cure
- Mariners B W2.MB** Hazardous Materials Concerns for a Facility Manager
- Mariners A W2.MA** Everything You Wanted to Know About ADA, but Were too Afraid to Ask!
- Mariners A W3.MA** Fire Alarm/Suppression Systems: Common Problems and Practical Solutions
- Tropics W3.TR** Implementing NFPA 70E for Arc Flash Safety
- Mariners A W4.MA** Critical Building Recovery
- Mariners A W5.MA** Using Industrial Coatings in Architectural Spaces
- Tradewind A W5.TA** Codes Laws and Common Sense Regarding Egress Doors

Sustainability

- Tropics T1.TR** Sustainability: FM Practitioners Guide
- Tradewind A T2.TA** Finding Value in Building Enclosure Commissioning
- Tradewind A T3.TA** Ensuring a Clean, Green, and Healthy Indoor Environment
- Tradewind A T4.TA** Achieving Zero Waste: Transitioning from the 3Rs to the 3Cs
- Tradewind A W1.TA** Four Concepts for Project Quality and Asset Sustainability
- Tradewind A W2.TA** Innovative Green Cleaning Technologies that Save Money
- Tradewind A W3.TA** Tax Incentives for Facility Improvements

Technology

- Tradewind B T2.TB** Understanding the Importance and Value of BIM for Facilities Management
- Tradewind B T3.TB** Technology for a Global Workforce
- Tradewind B T4.TB** Integration Best Practices
- Tradewind C T4.TC** Implementation of an Enterprise Wide CMMS
- Tradewind B T4.TB** Integration Best Practices
- Tradewind C W1.TC** CMMS Panel
- Tradewind B W2.TB** BAS: Building Analytics System?
- Tradewind C W2.TC** Contracted Services Inspections
- Tradewind B W3.TB** Too Hot or Too Cold: Using Technology to Stop Tenant Complaints in Their Tracks
- Tradewind B W4.TB** New Boiler Chemistry Control Technology
- Mariners B W5.MB** Improving Your Bottom Line Operations with Submetering
- Tradewind C W5.TC** Make Your Facilities Data a Strategic Asset

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SCAN FOR MORE INFO.

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NFMT Vegas is authorized by IACET to offer 0.1 CEUs for each conference session.

Prerequisites:

There are no prerequisites for this program. Anyone is allowed to register and attend.

Satisfactory Requirements for CEU: (the following requirements are mandatory to receive the IACET CEUs offered)

- You must be scanned into the session.
- You must be present for over 90% of the conference session.
- You must successfully answer at least 70% of the learning outcome assessment questions which will be administered via email at the conclusion of the conference.

Self-report to the appropriate professional organization using your NFMT Vegas CEU transcript generated after successfully completing the assessment. NFMT Vegas will not be reporting to any organizations on your behalf.



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Questions?

Please stop by the show office or contact Wendy Dietzler at wendy.dietzler@tradepress.com.

Wish you could attend more NFMT Vegas Sessions?

Now NFMT Members have access to over 18 NFMT Vegas session videos online. The following sessions will be archived for NFMT Members to access after the conference. To become a member please visit the membership counter at the registration desk.

Tuesday | OCT 7

- T1.TC** Facility Maintenance Decisions Achievement Awards
- T1.TR** Sustainability: FM Practitioners Guide
- T2.TC** Implementing Self-Directed Maintenance Teams
- T2.TR** 3rd Party Maintenance Outsourcing: New Competitive Pressure for FM's
- T3.TC** LED Lighting: Less Secrets, More Surprises
- T3.TR** The Future FM Workforce: Build an Integrated Talent Management Plan
- T4.TC** Implementation of an Enterprise Wide CMMS
- T4.TR** Survivability of the FM: Utilizing Expertise Instead of Management, Direction and Control

Wednesday | OCT 8

- W1.TR** Women in Facilities Management
- W1.TA** Four Concepts for Project Quality and Asset Sustainability
- W2.MB** Hazardous Materials Concerns for a Facility Manager
- W2.TA** Innovative Green Cleaning Technologies that Save Money
- W3.MB** Healthcare Facility Management Compliance
- W3.TA** Tax Incentives for Facility Improvements
- W4.MA** Critical Building Recovery
- W4.MB** Strategies for Protecting Your Building from Water Damage
- W5.MA** Using Industrial Coatings in Architectural Spaces
- W5.MB** Improving Your Bottom Line Operations with Submetering



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NFMT Vegas' 60 Free Educational Sessions are divided into nine tracks. You can follow one track for both days, or choose sessions from all seven tracks for a well-rounded education.

- | | |
|---|--|
|  Energy |  Safety and Security |
|  Leadership |  Sustainability |
|  Operations and Maintenance |  Technology |
|  Building Automation | |
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 Sessions will be taped and archived for NFMT members.

3. Understand the disruptive potential of LED lighting when combined with other emerging technologies.
AUDIENCE: BEGINNER | CEU: 0.1

Sustainability, Leadership
T1.TR  **Sustainability: FM Practitioners Guide**

Room: Tropics

Presenter(s): Larry Morgan, CFM, SFP, Head of Operational Excellence and Sustainability Initiatives for North and Latin America, SAP Global Facilities Management, Americas

Sustainability has become one of many required core competencies of a facility manager. In order to create and implement a successful sustainability program, dedication and commitment to the project is needed. Learn how to think in terms of the triple bottom line, made up of social, environmental, and economic criteria, and understand how this criterion can help form a solid plan of action. The results will provide benefits that both the facility manager and the organization will be pleased with soon after, as well as in the future.

Learning Objectives:

1. Highlight the triple bottom line and its impact
2. Understand the benefits of sustainability in relation to being a FM
3. Present the importance of alignment
4. Discuss the role of an FM in a sustainability program

AUDIENCE: INTERMEDIATE | CEU: 0.1

Tuesday | 07

8:00 AM

Operations and Maintenance

T1.TC  **Lessons Learned from FMD Achievement Award Winners**

Room: Tradewind C

Presenter(s): Greg Clark, Senior Director of Maintenance and Operations, Wake County (N.C.) Schools

Neal DiChiara, Facilities Maintenance Manager, University of Alabama

Greg Harubin, Director of Facilities, Day Kimball Healthcare

Anand Sankey, Director of Engineering and Maintenance Services, Western Michigan University

The Facility Maintenance Decisions Achievement Awards recognize and celebrate the central role maintenance and engineering managers play in the successful and efficient operation of the nation's institutional and commercial facilities. Winners were chosen from more than 30 entries in the categories of Renovations and Retrofits, Sustainability, Financial Management, and Personnel Management. In this session, Achievement Award winners offer insights into their successful projects and discuss lessons learned on how to start and finish the job with positive results. Attendees are encouraged to take the information back to their facilities to benefit their departments and organizations. Questions from the audience are encouraged in this highly interactive session.

AUDIENCE: BEGINNER | CEU: 0.1

Energy

T1.CR **Optimizing HVAC Efficiency: Strategies for Savings**

Room: Coral

Presenter(s): James L. Newman, CEM, LEED AP, Managing Partner, Newman Consulting Group, LLC

It's safe to say that energy efficiency will always be top priority for facility managers and engineers, which makes finding new ways to identify and achieve energy cost savings a priority as well - especially in the HVAC system. Attend this session to learn how to study, analyze and respond to the current state of your building's HVAC system, and identify common and not-so-common strategies to stretch your energy dollars. Covering topics from audits and retrocommissioning to dampers, drives and coils, this presentation will address commonly missed opportunities to optimize the efficiency of the HVAC system, and save money in the process.

Learning Objectives:

1. Review underexplored areas of HVAC systems that offer the potential for energy savings
2. Learn how to ensure that operations are getting the most efficiency out of your HVAC system
3. Understand the key considerations of ongoing commissioning or retrocommissioning

AUDIENCE: INTERMEDIATE | CEU: 0.1

Building Automation, Sponsored by BACnet International

T1.SS **LED Lighting: An Automation Armageddon**

Room: Shell Seekers

Presenter(s): Andy McMillan, President, BACnet International

In this session we will discuss how LED lighting could trigger a significant disruption of the traditional building automation industry. We will review current and future drivers for LED lighting adoption and explore the "perfect storm" potential of combining LED lighting with BACnet, wireless controls and cloud-based energy management services.

Learning Objectives:

1. Understand the drivers behind near and long-term market adoption of LED lighting
2. Recognize the emerging controls opportunities arising from LED lighting adoption

9:00 AM

Technology

T2.TB **Understanding the Importance and Value of BIM for Facilities Management**

Room: Tradewind B

Presenter(s): John Gould, Sr. Principal Consultant, JFC & Associates - Enterprise Asset Management Services

This session will provide insight into BIM, what it means and how Facility Managers can derive value throughout the design and construction process, carrying through the building's life cycle. The session will include defining BIM, the various supporting technologies surrounding BIM and what BIM really means for Facility Managers. Other topics will include understanding COBie Spreadsheets, what LOD (Level of Development) means, defining BEP (BIM Execution Plans) and what IPD (Integrated Project Delivery) means for Facility Managers.

Learning Objectives:

1. Define what BIM is and make the case for utilizing BIM after construction
2. Determine how BIM can be utilized by your organization throughout the building's life cycle
3. Identify what information is captured in Building Information Models versus COBie Spreadsheets
4. Describe what types of things Facility Managers need to ask for during the design and construction process to gain value from BIM

AUDIENCE: INTERMEDIATE | CEU: 0.1

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**T2.SS Building Sustainability
Through Building Automation**

Room: Shell Seekers

Presenter(s): Ben Dorsey, Vice President,
Continental Industries, Inc.

Initially, we will define associated terms and discuss associated motivations. In the remainder of the session we will examine four major sustainability related benefits of building automation. A case study will be presented for each benefit area.

Learning Objectives:

1. List two or more motivations for pursuing a sustainable building path
2. Recall 2-4 benefits of building automation
3. Recognize the practices associated with Higher Energy Efficiency (benefit area 1)

AUDIENCE: INTERMEDIATE | CEU: 0.1

Leadership

**T2.TR 3rd Party Maintenance
Outsourcing: New Competitive
Pressure for FM's**

Room: Tropics

Presenter(s): Jamshed Rivetna, President, Ensoft
Consulting, Inc.

For years, the maintenance department in many organizations has been facing budget cuts. These cuts create pressure to become more efficient, to reduce staff, and to cut operating costs. Unfortunately, this cost-cutting mindset invites competition from 3rd party maintenance service providers claiming big savings to an organization's bottom line. To governing boards and upper management, outsourcing is seen as a possible solution to their financial burden. To maintenance staff and managers, it means something entirely different. With this presentation, we will explore the outsourcing topic and will present action items for facility managers to keep their departments relevant and competitive.

Learning Objectives:

1. Learn and understand the outsourcing model and why 3rd party service providers are appealing to an organization
2. Clarify specific ways your organization can keep pace with 3rd party service providers
3. List examples of management reports for assessing and monitoring department operating performance
4. State steps to take for identifying and implementing operating improvements

AUDIENCE: INTERMEDIATE | CEU: 0.1

Safety and Security

**T2.MA The Owners Role
in Inspection, Testing, and
Maintenance of Water Based Fire
Protection Systems**

Room: Mariners A

Presenter(s): Jason Webb, Director of ITM,
National Fire Sprinkler Association

The building owner or manager is the single most important individual in the inspection, testing and maintenance of fire protection systems. NFPA 25, Standard of Inspection Testing and Maintenance of Water-Based Fire Protection Systems, contains numer-

ous requirements that are the responsibility of the building owner or manager. This seminar will provide an introduction to the owners requirements and limits when it comes to inspection, testing and maintenance. Through discussion of the administrative and system chapters of NFPA 25 this seminar will provide the attendee with guidance for an effective inspection, testing and maintenance program.

Learning Objectives:

1. Describe the role and responsibilities that building owners or their designated representatives have in the ITM process as outlined in NFPA 25
2. Recognize the difference between what is permitted for the building owner to do and what requires a fire sprinkler professional
3. Identify the proper documentation associated with inspection testing and maintenance

AUDIENCE: BEGINNER | CEU: 0.1

Sustainability

**T2.TA Finding Value in Building
Enclosure Commissioning**

Room: Tradewind A

Presenter(s): Emily Hopps, Senior Project
Manager, Simpson Gumpertz & Heger Inc.

Building Enclosure Commissioning (BECx) is being implemented on more projects as its popularity increases and organizations, such as the USGBC's LEED program, require it as part of the building process. Several industry standards and guidelines have been developed and revised to lead project teams through the commissioning process. However, the industry has yet to truly arrive at a consensus on the process and its implementation, resulting in a process that is not always fully leveraged. The BECx process, if implemented properly, can be very valuable: it improves quality, controls risk, and reduces costly changes and delays during construction.

Learning Objectives:

1. Review the Building Enclosure Commissioning (BECx) process and current standards
2. Identify the scope of quality assurance provisions embodied in the current standards
3. Discuss the value of the BECx process during early design phases through construction closeout
4. Evaluate the scope of BECx work to reduce risk of future enclosure issues and enhance building performance

AUDIENCE: INTERMEDIATE | CEU: 0.1

Operations and Maintenance

**T2.MB How to Specify Commercial
Flooring**

Room: Mariners B

Presenter(s): Lewis G. Migliore, President,
LGMTCS and Associates

Specifying starts with knowing the space you want to put flooring in. What type of product or products you should be looking at; if they will actually perform as expected.

Learning Objectives:

1. Review getting the correct product and installation in the space
2. Understand what you need to know first for the spec
3. Clarify who you should listen to, manufacturer or flooring contractor
4. Review how to ensure you don't make a mistake

AUDIENCE: INTERMEDIATE | CEU: 0.1

Leadership, Operations and Maintenance

**T2.TC Implementing Self-
Directed Maintenance Teams**

Room: Tradewind C

Presenter(s): C. Paul Oberg, President and Chief
Executive Officer, EPAC Software Technologies,
Inc.

Implementing a self-directed workforce may lead to improvements of supervisory focus, customer service and labor productivity. This session will focus on the necessary steps to take in order to define and implement self-directed maintenance technicians and teams.

Learning Objectives:

1. Analyze the benefits of a self-directed workforce
2. Recognize the organizational steps needed for a self-directed workforce
3. Define the requirements for implementation of a self-directed workforce
4. Verify how to measure the results of a self-directed workforce

AUDIENCE: INTERMEDIATE | CEU: 0.1

Energy

**T2.CR Energy Management in
Existing Buildings**

Room: Coral

Presenter(s): Davor Novosel, Chief Technology
Officer, National Energy Management Institute
(NEMI)

Most of the buildings constructed today will be around in 50 years. The overall energy efficiency of a commercial or institutional building is about 50 percent. As buildings consume about 40 percent of the total energy in the United States, the building sector wastes 20 percent of the total U.S. energy consumption. With today's technologies we can increase the energy performance of buildings to 70 percent. This session will give insights into the relationship between the building's energy performance and the occupant comfort perceptions. Furthermore, testing, adjusting and balancing will be showcased as the first step in achieving a high performance building.

Learning Objectives:

1. List the principal source and use of energy in existing buildings
2. Identify how big the energy savings opportunities are
3. Specify how to meet energy goals
4. Gain insight into energy management in context of human performance

AUDIENCE: BEGINNER | CEU: 0.1

10:00 AM

Safety and Security

T3.MA Emergency Response Plan

Room: Mariners A

Presenter(s): Justin Stewart, Facilities Manager,
BYU Library, Brigham Young University

This session will review the basic components of an emergency and disaster response plan and emergency evacuation strategies. Attendees will receive components of a sample emergency response plan that can be implemented at their institutions.

Learning Objectives:

1. List the important aspects of a disaster and emergency response plan

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2. Review how to create an effective disaster and emergency response plan

AUDIENCE: BEGINNER | CEU: 0.1

Energy

T3.CR Energy Efficiency: Taking Advantage of the World's Most Important Fuel

Room: Coral

Presenter(s): Michael C. English, PE, CCP, LEED-AP, Senior Partner, Horizon Engineering Associates

The International Energy Agency (IEA) recently released a report titled "Energy Efficiency Market Report 2013 -- Market Trends and Medium-Term Prospects". This report stated that in 2011, investments (\$300 billion) in the energy efficiency market globally were at a similar scale to those in renewable energy or fossil-fuel power generation. Their studies name energy efficiency as the world's most important fuel. In light of this report, this session will investigate energy efficiency for one of the world's top consumers of energy, buildings. This session will highlight several case studies from real world examples of buildings that underwent energy audit and retro-commissioning studies. This session will describe how the resulting energy conservation measures were developed, studied and ultimately recommended for implementation, not recommended or given a suggested plan for future implementation.

Learning Objectives:

1. Discover how energy efficiency is the newest "fuel"
2. Identify key takeaways from an energy audit study
3. Identify key takeaways from retro-commissioning
4. Analyze an energy conservation measure from inception through to implementation and see it applied to real world situations

AUDIENCE: INTERMEDIATE | CEU: 0.1

Building Automation,
Sponsored by BACnet International

T3.SS Using BACnet to Obtain Free LEED Credits

Room: Shell Seekers

Presenter(s): Mike Olson, Manager, HVAC Applications, ABB, Inc.

VFDs play a vital role in the precise control of high-performance green buildings by contributing towards energy-efficient air and water movement for HVAC systems. In addition, VFDs are an integral component of ASHRAE Standard 90.1 and the LEED-Energy and Atmosphere category.

Learning Objectives:

1. Learn how VFDs save energy
2. Understand what VFD BACnet objects should be monitored
3. Learn how to get "Free" LEED Credits for M&V using BACnet and VFD on-board information

AUDIENCE: INTERMEDIATE | CEU: 0.1

Sustainability

T3.TA Ensuring a Clean, Green, and Healthy Indoor Environment

Room: Tradewind A

Presenter(s): Dan Wagner, Director of Facility Service Programs, ISSA

When most people think about sustainability and going green, they do not immediately think of cleaning. Yet cleaning plays a crucial role in safeguarding the health, safety and well-being of facility occupants and in protecting the environment. By understanding the key characteristics of a quality, customer-focused and dependable cleaning service provider and demanding both effective management and the capability to deliver a comprehensive green cleaning program, facility management professionals can advance corporate sustainability initiatives and ensure a healthy indoor environment. Learn the principles to look for in order to ensure success and to protect health, the environment and facility assets.

Learning Objectives:

1. Understand the crucial connection between cleaning and sustainability
2. Recognize the necessary management and operational characteristics of a quality customer-focused cleaning organization
3. Identify the key elements of a comprehensive green cleaning program
4. Appreciate the role cleaning plays in protecting against potential public health threats

AUDIENCE: BEGINNER | CEU: 0.1

Technology

T3.TB Technology for a Global Workforce

Room: Tradewind B

Presenter(s): Paul Head, II, Manager, Ernst & Young Construction Real Estate Advisory Services

AUDIENCE: ADVANCED | CEU: 0.1

Operations and Maintenance, Safety and Security

T3.MB Is Your Facility Ready for an OSHA Audit?

Room: Mariners B

Presenter(s): Larry Riley, Authorized OSHA Outreach Trainer, Owner/Instructor, Access Safety Compliance Training, Inc.

OSHA audits can be very scary for facilities managers. Attend this session for a better understanding of how you can be more prepared if you are audited. We will review OSHA's strategies and priorities, what the FM's role should be during the audit and how you can protect your company from being at risk.

Learning Objectives:

1. Review OSHA strategies during an audit
2. Explain how an audit affects you
3. Identify ways we can protect ourselves and our workers
4. Specify the do's and don'ts of an audit

AUDIENCE: INTERMEDIATE | CEU: 0.1

Leadership

T3.TR The Future FM Workforce: Build an Integrated Talent Management Plan

Room: Tropics

Presenter(s): Teena Shouse, CFM, IFMA Fellow, Vice President, Facility Engineering Associates

Successful facilities managers understand the importance of a strong competent team surrounding them. However, knowing is one thing, truly integrating these into your organization is another. Integration is the key and a competency model is a valuable tool which can

create an integrated talent management system and link it to increased shareholder value. Shouse will share workforce development resources, such as competency models and career maps currently being utilized. She will outline how your FM competency modeling effort can be shared and supported by your senior leaders, aligned to organizational strategy and integrated into your talent management practices. Through understanding case studies, you too can create your roadmap to success in talent management in FM.

Learning Objectives:

1. Understand how the core competencies associated with FM fit in the FM roles in your organization
2. Discover how a competency model becomes the foundation for an integrated talent management system
3. Identify resources for professional growth in facility management
4. Gain a better overall understanding of the maturation process for an FM professional

AUDIENCE: INTERMEDIATE | CEU: 0.1

Operations and Maintenance

T3.TC LED Lighting: Less Secrets, More Surprises

Room: Tradewind C

Presenter(s): John Curran, PhD, President, LED Transformations, LLC

LEDs have become a commonly accepted light source in many lighting installations. From new wiring approaches to smartphone controls, solid-state lighting brings an exciting set of features that were previously unavailable. By now, lighting professionals and facilities managers are aware that LED technology is different, but they may not understand the far-reaching implications of some of those differences. Success of lighting projects incorporating LED technology means understanding those requirements that often differ from traditional lighting practices. This presentation will provide attendees practical guidance in those differences: from rebates to installation and sensor issues, warranty concerns and even new methods of lighting control.

Learning Objectives:

1. How LEDs are enabling new lighting control architectures/methods and what this implies to those responsible for facilities
2. Understanding how sensor selection and placement will become an important element of future lighting systems
3. Examples of some typical installation problems and how to avoid them when using LED-based luminaires
4. Knowledge of some unresolved testing standard issues that specifies and that facilities managers should be aware of when selecting LED technology for their facilities

AUDIENCE: BEGINNER | CEU: 0.1

11:00 AM

Safety and Security

T4.MA ADA Compliance: An Ounce of Prevention is Worth a Pound of Cure

Room: Mariners A

Presenter(s): Joan W. Stein, President, Stein Consulting LLC

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The American with Disabilities Act (ADA) is a federal civil rights law that is complaint driven. Unlike building codes, the ADA is enforced either through investigations performed by the U.S. Department of Justice or by the federal courts; both stemming from complaints or allegations received from individuals with disabilities. Every month, more than 300 private ADA lawsuits are filed in the U.S. federal courts nationwide. The revised 2010 ADA Standards for Accessible Design include significant changes as well as a number of new areas that were never regulated before; adding more risk for facility owners and managers. While nothing can guarantee that an organization will not be sued under the ADA, this session will explore a series of proactive steps that can be taken to help keep facilities ahead of the curve and help your organization to effectively manage your risk.

Learning Objectives:

1. Clarify how the ADA is enforced both by the Justice Department and the federal courts and recent changes in enforcement and fines
2. Define the difference between building codes and the ADA as a civil rights law
3. Discuss practical tips and guidance on how to demonstrate a "good faith effort" in your ADA compliance effort*
4. Name practical tips and guidance on what to do when a complaint is filed against you/your organization*

*Ms. Stein is not an attorney and the tips and guidance provided in this session cannot be construed to be legal advice.

AUDIENCE: INTERMEDIATE | CEU: 0.1

Sustainability

T4.TA Achieving Zero Waste: Transitioning from the 3Rs to the 3Cs

Room: Tradewind A

Presenter(s): Bruce Buchan, Founder and CEO, CleanRiver Recycling Solutions

The traditional recycling approach has been developing a program around the three R's of recycling - Reduce, Reuse, Recycle. The desire to improve sustainability goals while striving for zero waste requires a much different approach from our experience. As we work with clients to either start a program or build on existing successes, we have coined the term "The 3Cs Approach to Zero Waste: Culture, Communication, and Collection." Each is an integral piece of the recycling puzzle and without one, your program will be faced with many challenges. This session will look at each piece and discuss how they are critical in the building of a successful recycling program, along with the sharing of some best practices.

Learning Objectives:

1. Learn how to increase your diversion rates and decrease contamination rates to improve your program ROI
2. Find out how to implement a waste audit to find out your current program situation and then how to improve the program to reduce your waste hauling costs
3. Learn more about stream contamination and how to reduce it to save you money
4. Identify where your organization is currently with sustainability efforts and how to get to the next step

AUDIENCE: BEGINNER | CEU: 0.1

Building Automation,
Sponsored by BACnet International,
Technology

T4.TB Integration Best Practices

Room: Tradewind B

Presenter(s): Chris Hollinger, Senior Product Manager, Integrated Systems, Siemens Building Technologies, Inc.

There is increasing emphasis on sharing system data to consolidate information for the user, providing more efficient and productive facility systems, and adding value to the facility organization. Increasing building automation integration leads to more complete information to drive productive energy efficiency and occupant comfort decisions. To assure success, assess short term and long term facility needs and goals. Be sure the project plans and specifications in place are in keeping with the facility's goals and priorities and in accordance with the system support structure available after installation. With more integration, careful planning is required to ensure vendors are delivering the products and configurations requested. Communication and detailed planning becomes all the more vital.

Learning Objectives:

1. Understand why an integration strategy is important
2. Assess the "how to" integrate systems
3. Be able to use the right tools to integrate systems
4. Learn how to make the most of the investment

AUDIENCE: INTERMEDIATE | CEU: 0.1

Operations and Maintenance

T4.MB Back to Basics: Scheduling and Planning is Key for Maintenance

Room: Mariners B

Presenter(s): Michael B. Cowley, CPMM, President, CE Maintenance Solutions

In the day to day life of managers scheduling and planning can often fall very low on the list of important tasks, however these items are key for any successful team. Most organizations fail because the process is difficult or, I should say, because it takes time, energy, and a maintenance process that includes an inventory-management system, work-order planning, structured leadership, routine discussion meetings, and long-range planning. Join this frank discussion on why it is important to schedule and plan and how to begin the process.

Learning Objectives:

1. List the top three reasons why scheduling is important
2. Determine the components of scheduling
3. State how to ensure you are not overscheduling
4. Be able to identify appropriate scheduling levels

AUDIENCE: INTERMEDIATE | CEU: 0.1

Energy

T4.CR Water Benchmarking: Cut Your Bottom Line

Room: Coral

Presenter(s): Bill Hoffman, Senior Technical Advisor, Water Management, Inc.

Learning Objectives:

AUDIENCE: INTERMEDIATE | CEU: 0.1

Leadership

T4.TR Survivability of the FM: Utilizing Expertise Instead of Management, Direction and Control

Room: Tropics

Presenter(s): Dean Kashiwagi, PhD, P.E., Professor and Director of the Performance Based Studies Research Group, Arizona State University

The best value delivery system allows the FM — who is totally comfortable with hiring expert vendors and not using management, direction and control (MDC) with contracts — to replace MDC with the utilization of expertise. In the best value system, the FMs identify experts and ensure that the best value vendor, who is selected, is successful in increasing the value to the FM. The presentation will describe how a FM can guarantee the success of the best value vendor even though their procurement staff is not an expert in the service being delivered. The presentation will use an actual case study of how other FMs used best value on services and construction.

Learning Objectives:

1. Strategies to minimize costs and risks
2. Use of performance measurements
3. How to bring value to your facility
4. Leadership approach

AUDIENCE: INTERMEDIATE | CEU: 0.1

Building Automation, Sponsored by BACnet International

T4.SS The Facility Manager's Guide to Building Automation Systems

Room: Shell Seekers

Presenter(s): Grant Wichenko, P.E., President, Appin Associates

The BACnet protocol is now well established with vendors and consumers around the world so there is no need to make this case in a presentation anymore. This presentation will outline the past, present and future methods for procuring, installing and maintaining BASs. In some organizations, FMs may not be part of the initial design and installation. These new BASs need to be interoperable so they will integrate into the existing BAS infrastructure. We will discuss how the Networked Controls BAS design model permits FMs to take advantage of these intelligent devices to streamline the operation and maintenance of the facility. The BAS also needs to provide data for the Facility Domain to the utility using the new Open Automated Demand Response (OpenADR) standard.

Learning Objectives:

1. Outline the principles of sound BAS design and procurement that will meet the needs of the FM
2. List the steps to integrate a new or modified BAS into the existing BAS infrastructure in the facility
3. Explain how the Networked Controls BAS design model allows for streamlined facilities management
4. Describe what must be done in a facility to deal with future challenges such as the SmartGrid

AUDIENCE: INTERMEDIATE | CEU: 0.1

Wednesday | Oct 8

8:00 AM

Building Automation, Sponsored by BACnet International

W1.SS Do We Really Want Intelligent Buildings?

Room: Shell Seekers

Presenter(s): Ben Dorsey, Vice President, Continental Industries, Inc.

Chris Hollinger, Senior Product Manager, Integrated Systems, Siemens Building Technologies, Inc.

This session will discuss two important parts of building automation. Part one: "Oh, No! It's ALIVE!" will explore the world of building intelligence and discuss the elements that are essential to achieving smart buildings. A case study will be cited. In the second part of the presentation: "Your Connected Facility," we will amplify our definition with connected building concepts and review implementation practices such as smart grid connectivity.

Learning Objectives:

1. Cite major contributing elements to building intelligence
2. Express one or more key benefits and enabling features of the connected building
3. Translate lessons learned from projects implementing advanced building intelligence and connected buildings practices

AUDIENCE: INTERMEDIATE | CEU: 0.1

Sustainability

W1.TA Four Concepts for Project Quality and Asset Sustainability

Room: Tradewind A

Presenter(s): Bill Conley, RWC, President/Principal-in-charge, Conley Group

Sustainability. What does that mean? Facility owners and managers always strive for sustainability and seamless projects. This presentation is tailored for those individuals who strive for quality projects on their facilities. Our goal for this presentation is to bring our 28 years of professional knowledge to the table and provide some tips for quality projects to reach sustainability.

Learning Objectives:

1. Clarify how you can be aware and proactive
2. Describe how to demand/design/deliver effective plans and projects
3. Explain how to incorporate design details and construction plans to protect operations
4. Apply life cycle and finance approach

AUDIENCE: INTERMEDIATE | CEU: 0.1

Technology

W1.TC CMMS Panel

Room: Tradewind C

Presenter(s): Michael B. Cowley, CPMM, President, CE Maintenance Solutions

Lacey Hyer, Project Manager, Wastren Advantage, Inc.

John Gould, Sr. Principal Consultant, JFC & Associates - Enterprise Asset Management Services

Computerized Maintenance Management Systems (CMMS) plays an important role in any facility, but too often facilities and maintenance managers are not using the software to its true potential. Within the last several years technological advances have allowed for CMMS programs to gather and analyze big data, much of which can be financially beneficial to managers. Join this panel of CMMS experts as they answer your questions regarding this important software.

Learning Objectives:

1. Review the common issues regarding CMMS
2. Compare how different organization use CMMS
3. Discuss the new advances in CMMS technology
4. Justify using CMMS for big data

AUDIENCE: INTERMEDIATE | CEU: 0.1

Classroom Lockdown

XME9000/XCE9000 - Keypad
FME4000/FCE4000 - RFID

The advertisement features a large background image of a school building with a clock tower. In the foreground, several door lock models are displayed. A large silver keypad lock is shown in detail. Below it, four smaller images show different lock models: XME 9000 (a keypad lock with a small camera), XCE 9000 (a keypad lock with a small camera), FME 4000 (a keypad lock with a small camera), and FCE 4000 (a keypad lock with a small camera). The models are arranged in a grid-like fashion, with the XME 9000 and XCE 9000 on the left and the FME 4000 and FCE 4000 on the right. The background image of the school building is partially obscured by a red curved graphic element.

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8:30 AM

Leadership

W1.TR Women in Facilities Management

Islander D

Presenter(s): Karen E. Lovelund, District Manager, Sodexo Education Solutions

Kerri Sleeman, Executive Director of Facilities Management, Michigan Technological University

Another highly anticipated Women in FM program, back for the second year! Come and join a few of the industry's leaders as they discuss the positives and negatives of being a female in this historically male dominated industry, as well as how they have successfully transcended their careers. Together, the panelists represent a global facilities management perspective and additionally, they bring unique viewpoints regarding topics such as technical skills, career advancement, work-life balance, and more. We welcome your voice and your opinions on these topics, to make for an interesting, thought-provoking discussion. Everyone is welcome to attend this session.

Learning Objectives:

1. Discuss the ups and downs of being a woman in facilities management
2. Address the importance of networking and mentoring others
3. Indicate how to attract and engage other females in facilities management

AUDIENCE: BEGINNER | CEU: 0.1

9:00 AM

Safety and Security

W2.MB Hazardous Materials Concerns for a Facility Manager

Room: Mariners B

Presenter(s): Dale Walsh, President, Walsh Certified Consultants, Inc.

This presentation will discuss various sources of hazardous materials a facility manager may encounter. Methods for recognizing the hazards, evaluating them and controlling them will be addressed. Various examples of hazardous materials will be identified such as soil and groundwater contamination from past or current property uses, the typical locations of asbestos and how to avoid its current legal use in new construction, lead containing material issues, hazards associated with older buildings such as PCBs and mercury, and CFC refrigerants. Finally, there will be a brief discussion on handling, storage and disposal requirements for many common wastes generated at facilities such as those associated with painting, landscaping, vehicle maintenance, etc.

Learning Objectives:

1. Understand potential site contamination (soil and groundwater) from past uses
2. Learn asbestos history, sources, uses, locations, hazards, and current issues
3. Become familiar with other hazards associated with existing building renovation
4. Gain knowledge about hazardous materials associated with new construction
5. Learn some basics of hazardous waste management associated with building operations and maintenance.

AUDIENCE: | CEU: 0.1

Safety and Security

W2.MA Everything You Wanted to Know About ADA, but Were too Afraid to Ask!

Room: Mariners A

Presenter(s): M. Bradley Gaskins, AIA, CASp, COO, Partner, The McIntosh Group

New Americans with Disabilities Act (ADA) regulations took effect on March 12, 2012. Of those 1,000 new rules, approximately 450 of them will directly affect businesses. Failure to comply could lead to staggering penalties. This session is designed to help understand the new regulations and to better navigate the gray areas. Join us in this informative and interactive session where we get all your ADA questions answered. Please bring your Title III ADA questions for Brad.

Learning Objectives:

1. Discover the most common misunderstood elements of the ADA
2. Learn positive reasons to be compliant
3. Learn the appropriate accessibility standards you should follow
4. Learn answers to your ADA questions

AUDIENCE: INTERMEDIATE | CEU: 0.1

Leadership

W2.TR Reliability Leadership: What you Need to Know

Room: Tropics

Presenter(s): Ramesh Gulati, Reliability Planning Manager, AEDC/ATA-Jacobs

Are you responsible, or accountable, or concerned about delivering a healthier Return On Assets (ROA)? Reliability is not the maintenance department's sole responsibility; it is everyone's responsibility in the organization. This presentation is designed to help you, as a reliability leader, in developing a cohesive reliability strategy that links asset - facility availability - reliability, operations, safety, procurement, design, etc. to achieve operational excellence and to meet expected profitability goals.

Learning Objectives:

1. Why is reliability important
2. Defining/understanding the reliability leader (RL) role
3. Attributes of a leader
4. What it takes to become a reliability leader

AUDIENCE: INTERMEDIATE | CEU: 0.1

Energy

W2.CR Why LEDs? Why Now?

Room: Coral

Presenter(s): Bill Ballweg, Product Development Manager, LED, Acuity Brands - Lithonia Lighting

This presentation addresses the value of using LED technology in facilities today to create an optimal ambient lighting experience. It provides an overview of lighting technology options and describes the benefits of incorporating LED lighting in facilities. Additionally, it provides attendees with a comparison of LED lighting to traditional lighting options, as well as a description of the latest lighting control technology that can optimize the capabilities of LED lighting.

Learning Objectives:

1. Learn about key LED lighting technology advancements
2. Discover key differences between LED lighting and fluorescent lighting

3. Explore energy efficiency and cost saving opportunities by lighting facilities with LEDs

4. Learn sustainability and maintenance benefits of LED lighting with digital control technology

AUDIENCE: BEGINNER | CEU: 0.1

Building Automation,

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W2.SS Utilizing BACnet in a Major HVAC Renovation

Room: Shell Seekers

Presenter(s): Tim Skell, Sr. HVAC Application Engineer, ABB Inc.

A multipurpose (factory and office) facility recently underwent a major HVAC renovation, including the addition of a central chiller plant. This renovation will be used as a case study, educating the attendee on how a complete HVAC system operates, energy saving techniques employed, along with how BACnet communications made the building more intelligent and sustainable.

Learning Objectives:

1. Define an overview of how a HVAC system operates
2. Clarify how to use BACnet to create an intelligent building
3. Differentiate how VFDs are used to optimize the system

AUDIENCE: INTERMEDIATE | CEU: 0.1

Building Automation,

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Technology

W2.TB Building Analytics System?

Room: Tradewind B

Presenter(s): Steve Tom, P.E., PhD, Director of Technical Information, Automated Logic Corporation

Analytics systems save energy and money by analyzing data extracted from a building automation system (BAS), identifying equipment that is not performing correctly, and helping the user decide how to correct the problem. Unfortunately, analytics packages also cost money and require many hours of highly skilled labor to install and run. Many of the functions performed by an analytics package can already be performed by an existing BAS. This presentation will show how to use tools already present in most BAS packages to analyze performance, detect anomalies, and save energy.

Learning Objectives:

1. Understand the basic functions of an analytics system
2. Know how analytics packages utilize rules-based logic to identify common problems
3. Understand how properly written alarm logic can spot the same problems while avoiding false alarms
4. Understand how basic tools such as trending reports and "instant replay" can further assist in identifying both operational and equipment problems

AUDIENCE: ADVANCED | CEU: 0.1

Technology

W2.TC Contracted Services Inspections

Tradewind C

Presenter(s): Michael Nutt, Program Manager, DatasplICE

Attend this session to discuss improving quality assurance of contracted services using Maximo and mobile technology. This presentation will provide a case study of a county which worked with over 7 contractors to maintain over 563 square miles of landscape with up to 26 maintenance cycles and 20,000 work orders per year. Learn about a solution where the county organization was having issues utilizing multiple contractors for the same type of contract work and information is required to be collected in Maximo.

Learning Objectives:

1. Analyze the best way to organize multiple contractors
2. Review how to handle up to 26 maintenance cycles per year
3. Examine the best way for up to 20,000 annual work orders to be processed
4. Specify how to use technology in both connected and disconnected mode

AUDIENCE: INTERMEDIATE | CEU: 0.1

Sustainability

W2.TA Innovative Green Cleaning Technologies that Save Money

Room: Tradewind A

Presenter(s): Stephen P. Ashkin, President, The Ashkin Group, LLC

Over the past 10 years, green cleaning has gone from niche to mainstream resulting in increased demand in almost every product category, which in turn has resulted in important innovations. Beyond the innovations such as devices that turn water into an effective cleaning solution; paper made with agricultural waste and rapidly renewable fibers; plastic can liners with 70 percent post consumer recycled content; laundry and ware washing operations that reduce chemicals, energy and water; are just some of the examples of innovative new cleaning technologies. This session will focus on innovative green cleaning technologies that are easy to implement and that can save you money.

Learning Objectives:

1. Indicate which product categories are experiencing growth in the use of new green cleaning technologies
2. Identify specific types of green cleaning products and discuss their usability
3. Verify ways to implement green cleaning technologies

AUDIENCE: INTERMEDIATE | CEU: 0.1

10:00 AM

Energy

W3.CR Six Steps to Help Justify Building Energy Upgrades

Room: Coral

Presenter(s): Richard G. Lubinski, CEM, CDSM, CSDP, CEMSC, BEP, President, Think Energy Management LLC

American businesses sometimes get so focused on the short-term they can lose focus on the big picture, long-term success. Corporations that focus on monthly and quarterly profit alone can miss legitimate investment opportunities available through utility cost control. To get top executives to buy into the value of energy efficiency, facility managers have to take a long-term perspective on energy projects. It may take time, but facility managers who take six proven steps can build a successful energy management strategy for the long haul.

Learning Objectives:

1. Understand the long-perspective for energy projects
2. List the value of bundling energy projects
3. Review utility incentive opportunities
4. Discuss how to measure energy project results

AUDIENCE: BEGINNER | CEU: 0.1

Sustainability, Energy

W3.TA Tax Incentives for Facility Improvements

Room: Tradewind A

Presenter(s): Jacob Goldman, Vice President, Energy Tax Savers, Inc.

This presentation will cover various tax incentives related to buildings. Tax incentives related to energy efficiency, new construction, real estate transactions as well as those for 1 for 1 HVAC replacements will be covered. Case studies on each of the incentives will be presented and examined.

Learning Objectives:

1. Review the current tax incentives related to energy efficiency

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- List current tax incentives related to 1 for 1 HVAC replacements
- Name current tax incentives related to new buildings and real estate transactions
- Label legislative update on existing and proposed tax incentives related to buildings

AUDIENCE: INTERMEDIATE | CEU: 0.1

Technology

W3.TB Too Hot or Too Cold: Using Technology to Stop Tenant Complaints in Their Tracks

Room: Tradewind B

Presenter(s): Robert Lorenzen, Solutions Architect, Vigilant

Even the most perfectly designed building has mysterious hot and cold spots - or the tenants claim of such spots even when you know otherwise. The monitored use of wireless sensors in conjunction with an intelligent software layer can reveal where these thermal outliers exist, help you identify the root cause of HVAC issues, or even prove that zone temperatures have remained in compliance. This presentation walks through the deployment and intelligent use of sensors and software to minimize these occurrences and help you manage your building's cooling/heating energy use with more insight.

Learning Objectives:

- Justify using historical data to troubleshoot potential issues

- Observe using trended zone temperatures to prove that those hot/cold calls are a result of a change in people's mood not a change in temperature
- Learn how to use data to understand more about the mysterious interactions in your HVAC system
- List how and what type of data can help you troubleshoot issues from your desk so you don't have to physically visit a building or room

AUDIENCE: INTERMEDIATE | CEU: 0.1

Operations and Maintenance

W3.TC Successful School Bond Passages

Room: Tradewind C

Presenter(s): Dr. Rich Bauscher, Superintendent of Schools, Middleton School District

This workshop will provide attendees with the tools for successful bond-passage, starting with the basic ten steps through the design process. Attendees will learn pitfalls to avoid when presenting a bond issue before patrons. AThis workshop provides the knowledge and skills for attendees to successfully pass a referendum, through the formation of a budget, education specification and creation of a wide support base within their community.

Learning Objectives:

- List the 10 steps to bond passage
- Review the bond percentage of passage record
- Name the planning school facilities
- State educational specifications need in a bond

AUDIENCE: BEGINNER | CEU: 0.1

Building Automation, Sponsored by BACnet International

W3.SS Open System Conversions

Room: Shell Seekers

Presenter(s): Rick Fellows, VP, Business Development, KMC Controls

The benefits, steps, and resulting savings of converting Pneumatic Building controls to a BACnet Building Automation system.

Learning Objectives:

- Name the benefits of control system upgrades
- Review how to convert Pneumatic to BACnet
- List the types of system conversions
- Verify the cost of converting and resulting savings

AUDIENCE: INTERMEDIATE | CEU: 0.1

Safety and Security

W3.MA Fire Alarm/Suppression Systems: Common Problems and Practical Solutions

Room: Mariners A

Presenter(s): Steve Carter, Vice President of Engineering, ORR Protection Systems

Fire alarm systems are installed to protect people, the building and its contents, but sometimes they become more of a problem than a protector. By properly inspecting, testing and maintaining your fire systems, you can avoid most, if not all these common problems. If there ever is a fire, you will be held responsible;



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therefore to just hire any company and trust they will do what is required by law to inspect your fire system is not enough. You need to know what the NFPA code requires for proper inspection and testing of your fire system. This session will help you to understand code requirements, what records to keep and how to properly maintain your systems to reduce or even eliminate those costly emergency calls and false alarms.

Learning Objectives:

1. Clarify how reducing emergency fire alarm calls saves time and money
2. Identify the NFPA Standard requirements for all fire alarm systems
3. Learn how to train your staff to address simple and avoidable problems
4. List the what, where and for how long regarding NFPA required record keeping

AUDIENCE: BEGINNER | CEU: 0.1

Operations and Maintenance
W3.MB Healthcare Facility Management Compliance

Room: Mariners B

Presenter(s): David Stepelevich, CHFM, Vice President, Healthcare Building Solutions

Joseph J Watson, PE, CxA, LEED AP, Senior Project Engineer, E3 Designs

Hospitals and healthcare facilities have always been required to meet federal, state, and local jurisdictional requirements for compliance with certain codes and

standards related to the safe occupancy of the facility and the patients it serves. The American Society of Hospital Engineers recently released their comprehensive Healthcare Commissioning (HFCx) Guidelines specifically targeting new and existing healthcare facilities. The new guidelines include proposals to hold the design and commissioning teams accountable for actual building system performance and to develop Healthcare Commissioning training programs eventually leading to an HFCx certification. Attend this session to hear a synopsis of the HFCx commissioning processes for building envelope, life safety elements, HVAC systems and controls, plumbing systems, electrical systems, fire alarm systems, lighting, refrigeration, elevators and more.

Learning Objectives:

1. Learn about ASHE Healthcare Commissioning Guidelines
2. Review about how the guidelines are outlined
3. Understand the important areas of the building according to ASHE

AUDIENCE: INTERMEDIATE | CEU: 0.1

Operations and Maintenance, Safety and Security
W3.TR Implementing NFPA 70E for Arc Flash Safety

Room: Tropics

Presenter(s): Daryn Lewellyn, President/Founder, Lewellyn Technology

The practical application of NFPA 70E to real-world electrical safety programs and OSHA compliance can

be confusing and at times overwhelming. In this presentation, Lewellyn Technology Founder/CEO Daryn Lewellyn equips attendees with the knowledge needed to keep their employees safe from electrical hazards. The presentation begins with an explanation of the link between NFPA 70E and OSHA. In our experience, many safety managers ignore or postpone consideration of 70E because it is not expressly an OSHA requirement. Using quotes from OSHA executive officials and anecdotal evidence, we show why 70E is the consensus standard for electrical safety in the workplace, and why it is the best option for OSHA compliance. This presentation is ideal for safety managers looking for more information on NFPA 70E.

Learning Objectives:

1. Learn how OSHA and NFPA 70E work together
2. Learn what changes when implementing NFPA 70E
3. Learn the steps to completing an Arc Flash Hazard Analysis
4. Learn why the NFPA 70E tables can't direct PPE usage

AUDIENCE: INTERMEDIATE | CEU: 0.1

2:10 PM

Operations and Maintenance
W4.TA Codes Laws and Common Sense Fire Doors

Room: Tradewind A

Presenter(s): Bob Cullum, AHC, FDAI, Consultant, ASSA ABLOY

John Hunepohl, Director of Education, ASSA ABLOY

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In this session, experts demonstrate the process of inspecting fire doors, discuss and interpret applicable NFPA codes and provide a checklist for inspections you can perform to help your facility maintain a safer building. Inspecting fire doors not only saves lives, but also increases the adherence you have to your tenants and reduce liability.

Learning Objectives:

1. Classify the 13 points of Fire Door Inspections
2. List the 11 points of Egress Door Inspections
3. Identify the most common code violations
4. Examine solutions for the most common code violations

AUDIENCE: INTERMEDIATE | CEU: 0.1

Operations and Maintenance

W4.TC The Cost of Downtime- Preventing Blackouts

Room: Tradewind C

Presenter(s): Jeremy Whiddon, National Director of Specialty Products, Atlas Oil Company

In our highly technical world, facilities of all types have become increasingly susceptible to blackouts that have damaging financial impacts. Having back-up generators in place is only step one in emergency preparedness planning. There is a lot more that goes into keeping the lights on at your facility. This session will answer questions including: How much generator fuel will you need and how will you get it if local refineries are shuttered? Do you need an Uninterruptible Power

Supply (UPS) system in place? How often should you test your back-up power systems?

Learning Objectives:

1. Gain knowledge about back-up generators, emergency fueling and UPS systems
2. Learn the impact a power outage or blackout can have on your facility
3. Review lessons learned from past case studies of emergency power failures
4. Best practices for selecting emergency preparedness partners and vendors.

AUDIENCE: INTERMEDIATE | CEU: 0.1

Leadership

W4.TR Authentic Leadership

Room: Tropics

Presenter(s): Jamey French, Owner/Founder, Dreamality Group, LLC

To accomplish great things means you have to be a leader. Not just any kind of leader, an Authentic Leader, one that people want to follow, not one they have to follow. Being an authentic leader is having a clear understanding of what motivates and inspires people to follow. Moving your team from being compliant to committed is not enough, most leaders can do that. Moving your team from committed to fully engaged is the goal of the authentic leader. This session will look at what it takes to accomplish great things and engage your team fully while being authentically you!

Learning Objectives:

1. Learn how to use your experiences (stories) to

2. develop a leadership style that is uniquely you
2. Differentiate yourself from other leaders and connect to your team
3. Create a clear understanding of leadership communication skills that convey empathy vision and a passion for serving

AUDIENCE: INTERMEDIATE | CEU: 0.1

Energy

W4.CR Top 5 Energy Management Analytics

Room: Coral

Presenter(s): James Walton, Vice President of Business Development, EnTouch Controls

Energy usage data is fast becoming the most important tool for building owners and managers who are looking to increase their sustainability and boost profitability. But there is a lot of data, and analytics are the tools that make sense of the abundance of data. In this presentation, James Walton, Vice President Sustainability of EnTouch Controls, will provide an overview of energy management data and analytics. In addition, he will discuss the five key analytics covering HVAC usage, user behavior and vacancy usage that allow building owners and managers to better manage energy spending and minimize maintenance costs.

Learning Objectives:

1. Reivew the types of data that building owners can obtain from EMS or BA systems
2. Understand what analytics are and what tools are needed to convert data into analytics



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3. Learn the business problems you can impact with analytics
4. List the cost benefits that can be expected from managing with analytics

AUDIENCE: INTERMEDIATE | CEU: 0.1

Safety and Security

W4.MA  **Critical Building Recovery**

Room: Mariners A

Presenter(s): Ryan Rusler, Executive Account Manager, Har-Bro Restoration

Building operators spend a lot of time and money on the initial emergency response when creating preparedness initiatives. When in actuality, most emergency related events start and end in less than 7 minutes. The initial emergency response is vital to the safety of your staff and tenants. However, who plans for what is to come in the hours, days, weeks and months following a building emergency?

Learning Objectives:

1. Examine critical building recovery after the fire and police department leave
2. Discuss public and private sector partnerships
3. Review insurance and risk planning
4. Analyze indoor air quality concerns

AUDIENCE: BEGINNER | CEU: 0.1

Operations and Maintenance

W4.MB  **Strategies for Protecting Your Building from Water Damage**

Room: Mariners B

Presenter(s): Laurie Conner, President and CEO, The Detection Group, Inc.

Damage from water leaks in buildings is the #1 source of insurance loss claims, more than fire and theft combined. What starts as a slow drip can become either a flood, or a difficult-to-address problem of mold growth. The presenter will discuss the most common sources of building leaks and what solutions are on the market today. With the advent of wireless technologies, water leak detection has become a cost-effective method for 24/7 monitoring of your buildings for leaks. Case studies will be presented to show how an ideal system would work, and the benefits (and costs) resulting from actual installations.

Learning Objectives:

1. State why you should be concerned with water leaks
2. Explain the sources of building water leaks
3. Review alternative solutions to monitor for leaks and shut off the water
4. Analyze case studies and design considerations

AUDIENCE: BEGINNER | CEU: 0.1

Technology

W4.TB **New Boiler Chemistry Control Technology**

Room: Tradewind B

Presenter(s): Brian Jenkins, Global Industry Development Manager, Nalco, an Ecolab Company

Thomas S. Hughes, Senior Industry Technical Consultant, Nalco, an Ecolab Company

The boiler is an integral part of most manufacturing plant processes, supplying steam for several manufacturing steps. Steam production reliability is a critical process component, and good water treatment is key to maintaining reliable steam production. Recent

developments can now make it easier for steam plant operations staff to maintain consistent, proactive boiler feedwater treatment. This session reviews the current state of boiler water chemistry control, as well as two significant, new technologies. Case studies from several different manufacturing facilities, including an aerospace facility, document the use of these technologies, made up of data comparisons and ROI assessments.

Learning Objectives:

1. Learn how reliable steam production is essential for plant utility steam operations that support production
2. Understand that control of scale and corrosion in boilers is challenging and becoming even more so
3. Review two new technologies that make control substantially easier

AUDIENCE: INTERMEDIATE | CEU: 0.1

3:10 PM

Safety and Security

W5.MA  **Using Industrial Coatings in Architectural Spaces**

Room: Mariners A

Presenter(s): Steven Reinstadtler, Marketing Manager, Construction Coatings, Bayer Material Science

Facility decision makers are looking to migrate the attributes of industrial maintenance coatings into the architectural space in order to reduce operation and maintenance costs. This presentation will cover building decision maker research, new high performance coatings technology testing and comparison, and examples of use. Applicable architectural spaces include high touch, high scrub areas such as walls, doors, and trim in buildings such as healthcare, education, hospitality, and government.

Learning Objectives:

1. Learn about facility manager market research conducted related to paints and coatings preferences
2. Review the three major unmet needs in commercial and institutional spaces
3. Understand new high performance coatings technology developed for high touch high scrub
4. Review side-by-side comparative testing results based on facility manager preferences for the three major unmet needs

AUDIENCE: INTERMEDIATE | CEU: 0.1

Energy

W5.CR **Micro Grids**

Room: Coral

Presenter(s): Larry Thrall, Managing Partner, Vireo Energy Finance

Edric Guise, Managing Partner, Vireo Energy Finance

Learning Objectives:

1. Review micro grid finance
2. Examine micro grid evaluation
3. List micro grid technologies

AUDIENCE: BEGINNER | CEU: 0.1

Technology, Operations and Maintenance

W5.MB **Improving Your Bottom Line Operations with Submetering**

Room: Mariners B

Presenter(s): Troy Hull, Director, Metering Solutions, Leviton

Discover how energy monitoring systems in today's marketplace can be employed to maximize efficiency, reduce waste and help in understanding how to better purchase energy. The session will include a deep dive into the benefits of sub-metering and energy monitoring; a comprehensive look at today's technology and how to achieve maximum return on investment, significant risk reduction and improved levels of conservation to reach sustainability objectives.

Learning Objectives:

1. Gain a full understanding of the opportunity for electrical sub-metering
2. Address strategies for using today's technology to maximize the investment in sub-metering
3. Identify ROI for implementation on existing otherwise un-metered properties
4. Learn how to select meters and data acquisition solutions to meet sustainability goals and objectives that deliver energy savings

AUDIENCE: BEGINNER | CEU: 0.1

Safety and Security

W5.TA **Codes Laws and Common Sense Regarding Egress Doors**

Room: Tradewind A

Presenter(s): Bob Cullum, AHC, FDAI, Consultant, ASSA ABLOY

John Hunepohl, Director of Education, ASSA ABLOY

Attend part 2 of this series to learn about new NFPA [National Fire Protection Association] standards requiring annual egress door inspections and some common violations. This lecture is a companion lecture to Fire Labeled Openings session. This session will also give you a starting point for executing your planned inspection program as required by NFPA.

Learning Objectives:

1. List the 11 points of Egress Door Inspections
2. Identify the most common code violations
3. Identify solutions for the most common code violations

AUDIENCE: BEGINNER | CEU: 0.1

Technology, Operations and Maintenance

W5.TC **Make Your Facilities Data a Strategic Asset**

Room: Tradewind C

Presenter(s): Johnny Bofilios, Enterprise Asset Management Consultant, AssetAnalytix

Do you treat your facilities data as an asset? In many organizations, the integrity and quality of facilities asset data is often questionable, although it is absolutely essential for trustworthy and meaningful analysis. Reliable, informed decision-making based on judgment and experiences should be reinforced by in-depth data analysis. Leaders cannot trust analysis and reports developed on the basis of partially accurate, inconsistent and incomplete data. End-users across an organization sometimes do not value the importance of standardized, consistent data entry, leading to data quality issues.

Learning Objectives:

1. Improve the integrity and quality of facilities asset data
2. Learn to treat your facilities data as an asset

AUDIENCE: INTERMEDIATE | CEU: 0.1

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BACnet International is an industry association that facilitates the successful use of the BACnet protocol in building automation and control systems through interoperability testing, educational programs and promotional activities. BACnet International oversees operation of the BACnet Testing Labs (BTL) and maintains a global listing of tested products.



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TownSteel Inc.	316

Drain Cleaning

Nu Flow America	521
RIDGID	535
SureSeal Manufacturing	226

Electrical Distribution

Benjamin Electric Co.	320
Ivey Engineering Inc.	701
Lewellyn Technology	313

Elevators/Escalators

SKF Maintenance Products.	407
The BOCA Group	206

Energy - Renewable

CentiMark Corporation	334
Harris Lighting	616
SolarCity.	220
Taylor-Dunn Mfg.	200

Energy Management Systems

AE LIGHT	733
BACnet International	413

Benjamin Electric Co.	320
Dranetz	423
EnTouch Controls	629
Harris Lighting	616
IDEAL Industries Inc.	716
Infor	106
KMC Controls Inc.	516
Lewellyn Technology	313
Nalco, an Ecolab company	512
Russelectric Inc.	501
TCS BASYS Controls	715
WaterSignal	227

Energy Monitoring

ABB Inc.	412
Benjamin Electric Co.	320
Dranetz	423
EnTouch Controls	629
Gen-Tracker by Generator Solutions Inc.	721
IDEAL Industries Inc.	716

Energy Products and Services

AE LIGHT	733
Benjamin Electric Co.	320
FacilityDude	527
LED Living Technology	108
Lunera Lighting	228
SolarCity	220
TCS BASYS Controls	715
Zenaro Lighting Inc.	606

**Environmental Services/
Products/IAQ**

ABUS USA	416
AirPac Inc.	427
Avian Flyaway Inc./Bird Relocation	426
CleanRiver Recycling Solutions	507
Facility Engineering Associates P.C. (FEA)	217
Parkland Plastics	528
Phigenics LLC	100
Sodexo	523
SolarCity	220

Exit Signs

AE LIGHT	733
Fulham Co. Inc.	231
GBC Safety Glow LLC	130

Exterior Building Systems

CAST Lighting LLC	622
EasyTurf	230
PS Doors	101
Versico Roofing Systems	615

Filtration

NaceCare Solutions	534
Waterlogic USA	514

Fire Safety

Cease Fire	517
Fike	208
GBC Safety Glow LLC	130

ICB/TABB	312
Kidde Fire Systems	114
ORR Protection Systems Inc.	306
Specified Technologies Inc.	331
VFS Fire & Security Services	420

Fleet Management

EPAC Software Technologies Inc.	317
Infor	106

Flooring

CentiMark Corporation	334
Construction Specialties Inc.	330
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Matting By Design	637

Furniture/Furnishing Materials

CORT	212
dPOP!	329
EthoSource LLC	222

Generators

Gen-Tracker by Generator Solutions Inc.	721
Sunbelt Rentals Inc.	620

Housekeeping Products Equip.

CleanRiver Recycling Solutions	507
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HVAC

ABB Inc.	412
AC Leak Freeze	635
Aceto Corp.	327
AirPac Inc.	427
Aquatherm	118
BACnet International	413
Baltimore Aircoil Co.	630
Carrier Retnal Systems	430
DuPont	117
Ferguson Enterprises Inc.	626
ICB/TABB	312
IDEAL Industries Inc.	716
Ivey Engineering Inc.	701
KMC Controls Inc.	516
Macurco	719
Nalco, an Ecolab company	512
SKF Maintenance Products	407
Superior Manufacturing	631
TCS BASYS Controls	715
Viconics Technologies Inc.	417

HVAC Commissioning Services

Viconics Technologies Inc.	417
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Insulation

Versico Roofing Systems	615
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Internet Services/E-Commerce

dPOP!	329
EPAC Software Technologies Inc.	317

Landscape/Grounds Care Products

Avian Flyaway Inc./Bird Relocation	426
CAST Lighting LLC	622
Club Car	506

Cushman	307
EasyTurf	230
Taylor-Dunn Mfg.	200
WaterSignal	227

Lifts/Ladders

Genie	737
JLG Industries Inc.	401
Teupen USA Inc.	601

Lighting

Acuity Brands	421
AE LIGHT	733
BACnet International	413
CAST Lighting LLC	622
Cooper Lighting by Eaton	326
Ferguson Enterprises Inc.	626
Fulham Co. Inc.	231
Harris Lighting	616
LED Living Technology	108
Lunera Lighting	228
Pixi Lighting, Inc.	712
Zenaro Lighting Inc.	606

Maintenance Products/Services

Aceto Corp.	327
Asset Analytix	436
Baltimore Aircoil Co.	630
Calico Building Services Inc.	328
CE Maintenance Solutions LLC	613
CHEM LINK	422
Cushman	307
DuPont	117
EPAC Software Technologies Inc.	317
Facilities Management Maximo User Group (FMMUG)	123
FacilityDude	527
Ferguson Enterprises Inc.	626
Flow-Liner Systems Ltd.	437
ICB/TABB	312
Infor	106
JetRock Inc.	428
JLG Industries Inc.	401
Lunera Lighting	228
Maintenance Connection	607
Matting By Design	637
MoeWorks, LLC	731
Nalco, an Ecolab company	512
Nu Flow America	521
PPG Architectural Coatings	337
Precision Concrete Cutting	322
SELECT Hinges	526
SKF Maintenance Products	407
SOMAX Inc.	406
Stanley Access Technologies	627
Sunbelt Rentals Inc.	620
SureSeal Manufacturing	226
Taylor-Dunn Mfg.	200
TMA Systems LLC	617
U.S. Department of State (OBO)	431

Vaughan Company Inc.	700
WaterSignal	227

Material Handling/Storage

Club Car	506
Cushman	307
EthoSource LLC	222
Genie	737
Vaughan Company Inc.	700

Motors Drives

ABB Inc.	412
SKF Maintenance Products.	407

National Distributors

EthoSource LLC	222
VFS Fire & Security Services.	420

Operational Support Services

Calico Building Services Inc.	328
CE Maintenance Solutions LLC	613
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dPOP!	329
Ensoft Consulting Inc.	730
Maintenance Connection	607

Paints and Coatings

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PPG Architectural Coatings.	337
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Precision Concrete Cutting	322
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SureSeal Manufacturing	226
Terminix Commercial	107

Plumbing

Aquatherm.	118
Ferguson Enterprises Inc.	626
Flow-Liner Systems Ltd.	437
Ivey Engineering Inc.	701
Nu Flow America	521
RIDGID	535
Superior Manufacturing.	631
SureSeal Manufacturing	226
WaterSignal	227

Portable Heating/Cooling

AirPac Inc.	427
Carrier Retnal Systems	430

Power & Hand Tools

RIDGID	535
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Power Distribution/Generation

ASCO Power Technologies.	301
Dranetz	423
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Publications

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Blue Book Network, The	612
<i>Building Operating Management Magazine</i>	621
<i>Facility Maintenance Decisions Magazine</i>	621

Pumps

Vaughan Company Inc.	700
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Rental Companies

AirPac Inc.	427
Carrier Retnal Systems	430

Restroom Products/Systems

Scranton Products	103
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Roofing

CentiMark Corporation	334
CHEM LINK	422
Facility Engineering Associates P.C. (FEA)	217
FiberTite Roofing Systems by Seaman Corporation	702
Versico Roofing Systems	615

Safety Products

ABUS USA.	416
Cease Fire	517
ESC Services Inc.	321
Fulham Co. Inc.	231
GBC Safety Glow LLC	130
JetRock Inc.	428
JLG Industries Inc.	401
Matting By Design.	637
ORR Protection Systems Inc.	306
PS Doors.	101
Salisbury by Honeywell	213
Specified Technologies Inc.	331
Total Security Solutions.	713

Security/Access Control

ABUS USA.	416
CAST Lighting LLC	622
Club Car	506
KEYper Systems	109
Macurco	719
Marks USA.	705
SELECT Hinges	526
Stanley Access Technologies	627
Total Security Solutions.	713
TownSteel Inc.	316

Signage

GBC Safety Glow LLC	130
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Software

Asset Analytix	436
Blue Book Network, The	612
Ensoft Consulting Inc.	730
EPAC Software Technologies Inc.	317
Facilities Management Maximo User Group (FMMUG)	123
FacilityDude	527

Infor	106
Maintenance Connection	607
Oro Apps.	736
SOMAX Inc.	406
TMA Systems LLC	617

Sustainable Interior Products

CleanRiver Recycling Solutions	507
Connectrac	300
Construction Specialties Inc.	330
EthoSource LLC	222
Lunera Lighting	228
PPG Architectural Coatings.	337
Scranton Products	103
Zenaro Lighting Inc.	606

Timekeeping Systems

American Time	229
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AEE Nevada	120
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CE Maintenance Solutions LLC	613
ESC Services Inc.	321
Facilities Management Maximo User Group (FMMUG)	123
<i>Facility Maintenance Decisions Magazine</i>	621
Genie	127
George Mason University.	129
ICB/TABB	312
IFMA (International Facility Management Association)	221
Lewellyn Technology	313
National Fenestration Rating Council (NFRC)	636
Nevada Professional Facility Managers Association (NPFMA)	728
NTT Training.	207
Phigenics LLC	100
Salisbury by Honeywell	213
Sodexo.	523

Utility Vehicles

Club Car	506
Cushman	307
Taylor-Dunn Mfg.	200

Water Treatment

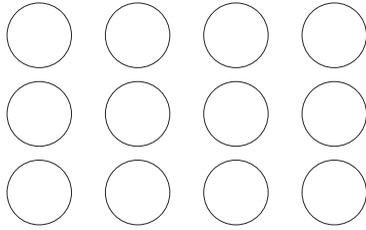
Aceto Corp.	327
Nalco, an Ecolab company	512
Superior Manufacturing	631
Vaughan Company Inc.	700
Waterlogic USA	514

Windows/window technology

National Fenestration Rating Council (NFRC)	636
Total Security Solutions.	713

Wiring & Cabling

Connectrac	300
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NFMT Cafe

Main Stage	336
	334

130	131	230	231	330
	129	228	229	328
126	127	226	227	326
GreenTech				
122	123	222	223	322
120	121	220	221	320

118

117	216	217	316
115	214		
113	212	213	312

114

112

108

106

109	208		
107	206	207	306

102

100

103		203	
101	200	201	300

337	436	437	536	537	636
335	434	435	534	535	634

Building Maintenance

331	430	431	530	531	630
329	428	429	528		
327	426	427	526	527	626

	422	423	522	523	622
321	420	421	520	521	620



BACnet International

317	416	417	516	517	616
		514			
313	412	413	512	513	612



Aisle Banner 400 - Air Pac

Aisle Banner 500 - SELECT Hinges

307	406	407	506	507	606
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301		401		501	
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Entrance



Exhibit Hall Map

Mandalay Bay, South Pacific Ballroom

BUILDING OPERATING MANAGEMENT'S NFMTVEGAS

KEY

Restrooms



NFMT Cafe



Main Stage



Major Sponsor Booths

BACnet International.....	413
Sodexo	523
NFMT Vegas.....	621
<i>Building Operating Management</i>	621
<i>Facility Maintenance Decisions</i>	621

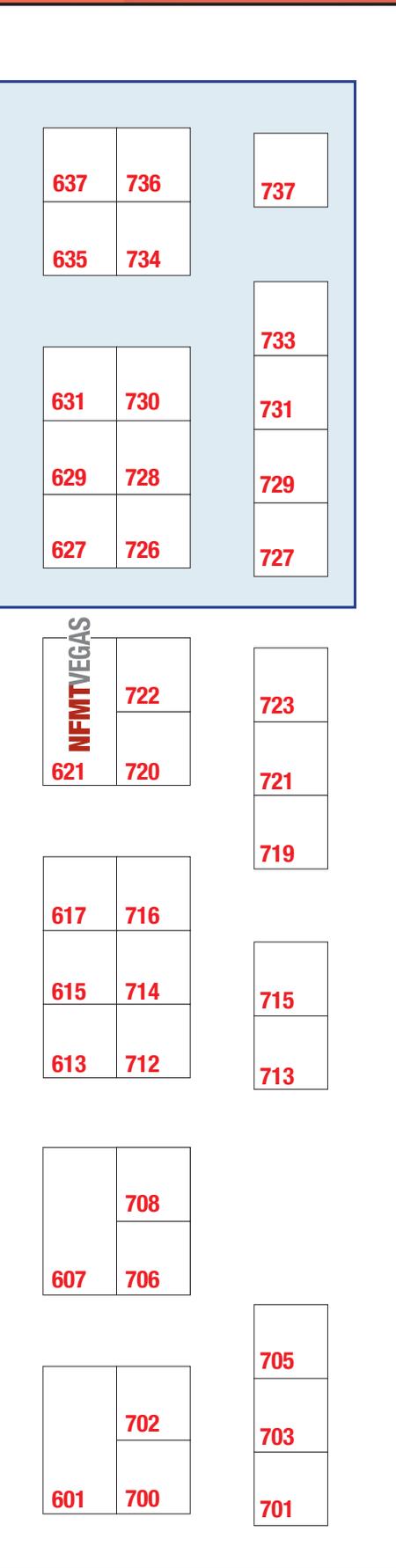
Expo Hall Events

TUESDAY

Noon – 4:00 p.m.	Exhibit Hall Open
2:45 p.m.	BACnet International Awards and \$1,000 Prize Drawing (Main Stage)
3:00 – 4:00 p.m.	Networking Party sponsored by BACnet International
4:00 – 5:00 p.m.	Solutions Exchange

WEDNESDAY

11:00 a.m. – 2:00 p.m.	Exhibit Hall Open
1:45 p.m.	\$1,000 Prize Drawing (Main Stage)



Advertiser Index

Advertiser Name	Booth #	Ad Page#
ABB Inc.	412	7
<i>American School & Hospital Facility Magazine</i> . . .	115	17
ASCO Power Technologies	301	24-25
Asset Analytix	436	28
BACnet International	413	3
Baltimore Aircoil Company	630	26
Club Car	506	11
COIT Cleaning & Restoration Services Inc.	522	27
Genie	737	C2
IDEAL Industries Inc.	716	28
Infor	106	13
JLG Industries Inc.	401	15
Kidde Fire Systems	114	9
Macurco	719	27
NFMT High-Performance Buildings	621	42
NFMT Membership	621	19
NFMT Orlando	621	C4
Siemens Building Technologies.	513	5
TownSteel Inc.	316	21
Versico Roofing Systems	615	23
Viconics Technologies Inc.	417	26

From the Desert to the Beach – We are flying south next year!

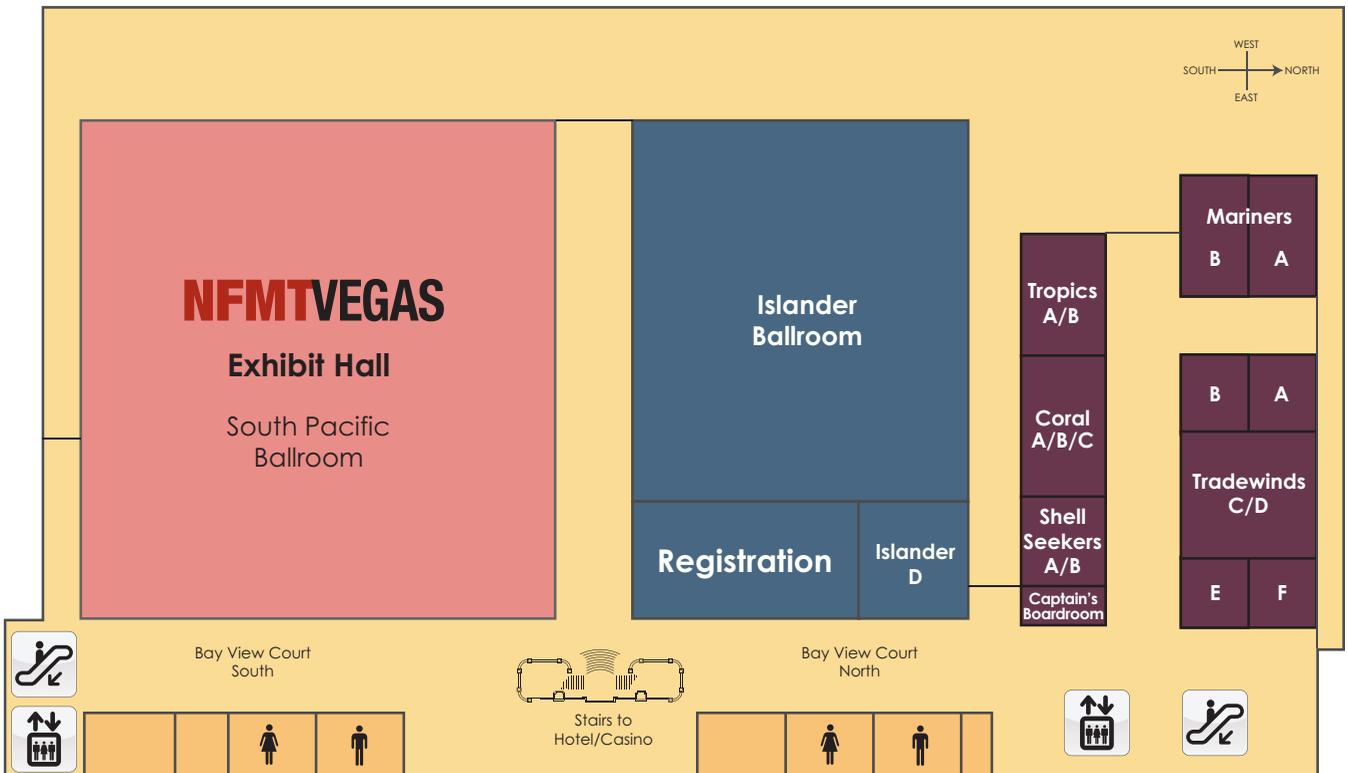
SAVE THE DATE – NFMT Orlando will be debuting on October 27-28, 2015 at the Orange County Convention Center.

Same topics, same speakers, same complimentary registration, new location! We hope you'll be able to join us in the sunshine state next fall, but don't worry, NFMT Vegas will be back on the strip in the fall of 2016!

Watch your email for additional information about both NFMT Vegas and NFMT Orlando.

BUILDING OPERATING MANAGEMENT'S
NFMT™ ORLANDO
 National Facilities Management & Technology October 27-28, 2015

Conference Map



Show Hours

TUESDAY

8:00 – 11:50 a.m.	Conference Sessions
Noon – 4:00 p.m.	Exhibit Hall Open
2:45 p.m.	\$1,000 Prize Drawing
3:00 – 4:00 p.m.	Networking Party
4:00 – 5:00 p.m.	Solutions Exchange

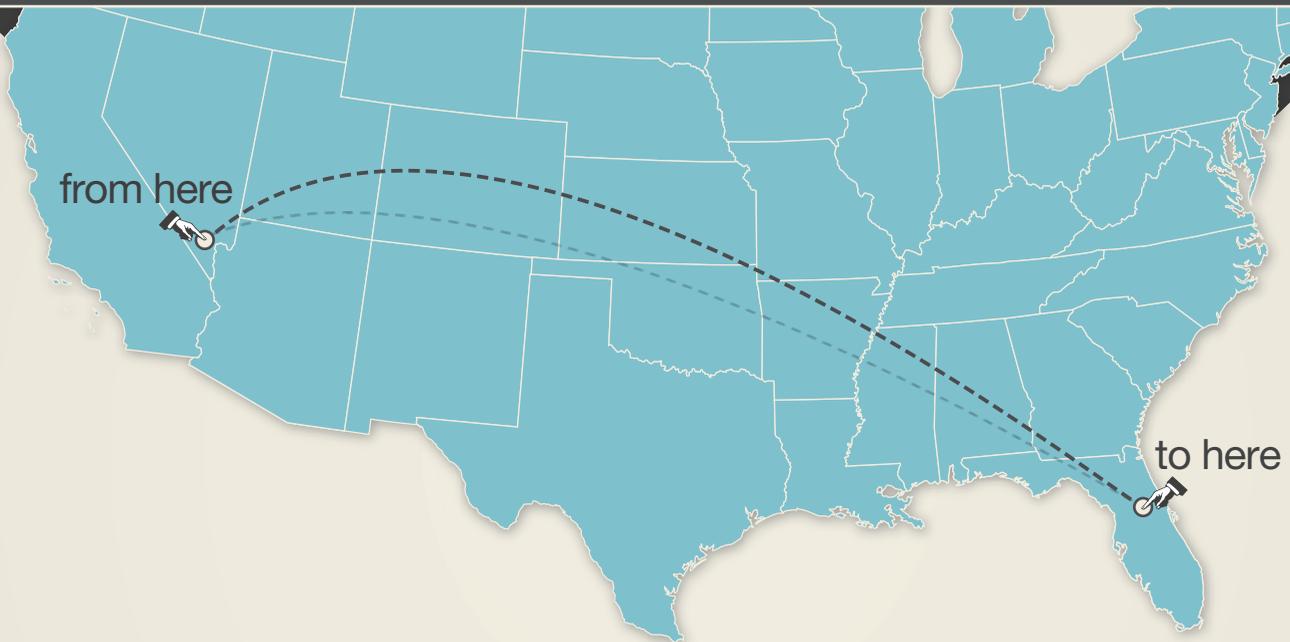
WEDNESDAY

8:00 – 10:50 a.m.	Conference Sessions
11:00 a.m. – 2:00 p.m.	Exhibit Hall Open
1:45 p.m.	\$1,000 Prize Drawing
2:10 – 4:00 p.m.	Conference Sessions

Islander D	Solutions Exchange, Women in FM
Tradewinds E	Speaker Ready Room
Islander Ballroom	2015 Exhibit Space Selection/ Exhibitor Lounge/Show Office
Captain's Boardrm	Member Lounge
Registration	

BUILDING OPERATING MANAGEMENT'S **NFMT**TMVEGAS

Is Florida-bound Next Year.



Note the new location.
Then save the date.

October 27-28, 2015 • Orange County Convention Center

The location is new, but the educational sessions, exhibit hall and networking opportunities will stay the same. (And by “same” we mean outstanding.)

More details available at NFMT.com/Orlando.

BUILDING OPERATING MANAGEMENT'S **NFMT**TMORLANDO

National Facilities Management & Technology October 27-28, 2015 • Orange County Convention Center

NFMTVEGAS Booth #621