



BUILDING OPERATING MANAGEMENT'S
NFMTVEGAS



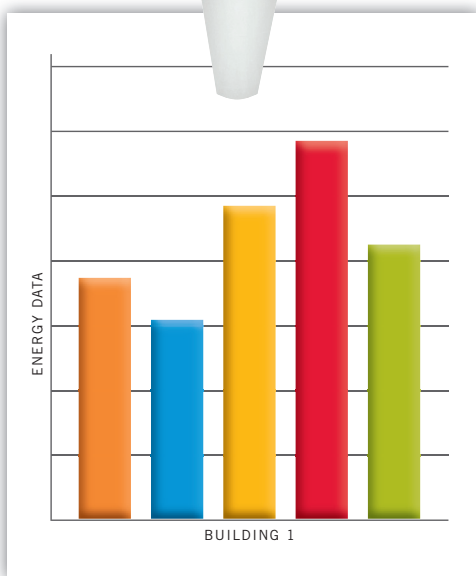
2012 EVENT
Directory

Conference Info **8** Expo Info **29** Maps **62**



<http://www.nfmt.com/vegas>





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NFMTVEGAS Booth #513



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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 new NFMT Vegas Conference & Expo!

As this year's presidential election season approaches (did it ever really go away in the first place?), we're hearing the standard promises from both candidates' camps to change things for the better.

There can be real value in change, which is why as Facility Decisions 2011 began to wind down, our staff started to talk about changing our event's name to something that better reflects who we are, what we do and where we're going. And that is why I am thrilled to welcome you to NFMT Vegas,



brought to you by the leading producer of facility management education that also produces NFMT 2013 in Baltimore and NFMT360, our online, year-round educational resource.

Like other members of the NFMT family, the NFMT Vegas conference is backed by two of the FM market's best publications: *Building Operating Management* and *Maintenance Solutions* and features the industry's top speakers who provide solutions to your biggest FM challenges. And like its NFMT siblings, NFMT Vegas' expo hall offers the latest in technologies and services to help your building run more efficiently and cost effectively.

Of course, there are some things that make NFMT Vegas unique: Only here will you find the BACnet conference and pavilion and a chance to get completely up to speed on the benefits and innovations offered by building automation and control systems. And only here can you take in *Maintenance Solutions'* Achievement Awards, which shine a spotlight on the central role maintenance and engineering managers play in the successful and efficient operation of the nation's institutional and commercial facilities.

So here's a promise we can easily keep: spend the next two days at NFMT Vegas, and you'll come away with the necessary strategies and motivation to tackle your facility issues in this election cycle — and beyond.

Welcome NFMT Vegas attendees, exhibitors and speakers. I hope to have a chance to shake hands, talk shop (not politics!) and learn more about how we can keep making this member of our NFMT family working for you.

Enjoy the show. And be sure to vote on November 6!

Wendy Dietzler
Director of Education
wendy.dietzler@tradepr.com



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AUTOMATEDLOGIC®

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[Booth #513]

For more than 30 years, Automated Logic has provided leadership, innovation, and order to complex building controls by providing intuitive building automation systems that deliver both energy savings and occupant comfort. ALC remains true to that vision today with the Environmental Index™, EnergyReports™ and Time-Lapse Graphics which allow building owners to easily analyze building performance, maximize comfort and achieve sustainable building operations.

BACnet International

Sponsor of Networking Party

[Booth #418]

BACnet International is the international organization that encourages the successful use of BACnet in building automation and control systems through interoperability testing, educational programs and promotional activities. Membership includes a who's who list of top tier companies involved in the design, manufacturing, installation, commissioning and maintenance of control and other equipment that use BACnet for communication.



POLARIS®

Sponsor of the \$1,000 Daily Drawing

[Booth #301]

Global Electric Motorcars are electric-powered, street-legal vehicles providing transportation and light utility solutions. Made by Polaris, a leader in on-and off-road vehicles headquartered in Medina, Minn., GEM cars cost only pennies a day to operate, are highly customizable, and are available in over 100 dealerships worldwide.

SLOAN®

Sponsor of Tote Bags [Booth #501]

Sloan Valve Company manufactures water- and energy-efficient plumbing products for commercial, industrial and institutional markets worldwide. Products include: high-efficiency toilet and urinal systems that package Flushometers with vitreous china fixtures; solar-powered, sensor-operated Sloan BASYS™ faucets and Flushometers; Sloan ECOS® and UPPERCUT® dual-flush Flushometers; waterfree urinals; and sinks with electronic faucets using as little as 0.5 gallons of water per minute.

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[Booth #412]



[Booth #515]



[Booth #513]



[Booth #518]



[Booth #413]



[Booth #519]



[Booth #512]

Event Partners



[Booth #233]



[Booth #418]



[Booth #125]



[Booth #527]



[Booth #732]



[Booth #733]



[Booth #820]



[Booth #133]

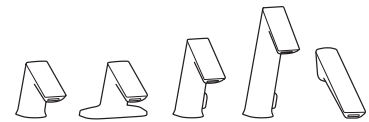


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SLOAN®



SHOW Highlights

Tuesday

OCT **2**

8:00 – 11:50 a.m.
Conferences

12:00 – 4:00 p.m.
Expo Hall Open

2:45 p.m.

BACnet International Leader of the Pack Awards

[Main Stage Booth #907]

Join BACnet International as they recognize the top 2012 leaders of the organization.

2:45 p.m.

\$1,000 Daily Drawing

[Main Stage Booth #907]

Sponsored by: GEM by Polaris

See entry form for rules, enter to win at booth #301.



3:00 – 4:00 p.m. **Networking Party**



[Exhibit Hall]

Sponsored by: BACnet International

4:00 – 5:00 p.m.

Solutions Exchange [Montego A]

Join us for a highly interactive event of round-robin learning. See page 6 for more information.

Wednesday

OCT **3**

8:00 – 10:50 a.m.
Conferences

11:00 a.m. – 2:00 p.m.
Expo Hall Open

1:00 p.m.

Tweet Up [Main Stage Booth #907]

Join fellow social media buff's to network and discuss best practices. Remember to follow @NFMTVegas!

1:30 p.m.

Maintenance Solutions Achievement Awards

[Main Stage Booth #907]

Join *Maintenance Solutions* magazine as they recognize the 2012 Achievement Award winners.

1:45 p.m.

\$1,000 Daily Drawing

[Main Stage Booth #907]

Sponsored by: GEM by Polaris

See entry form for rules, enter to win at booth #301.



2:10 – 4:00 p.m.

Conferences

Both Days

VIP Pin Cash Giveaway

Every half hour someone wearing a pin will win \$50 cash on the spot (during exhibit hours only). You can pick up a VIP pin at the NFMT Vegas booth #819.

Lunch is On Us! [Exhibit Hall]

Make sure to look in your totebag for a \$5 lunch coupon, compliments of NFMT Vegas. This coupon is redeemable at the food station inside the exhibit hall!

Certificate of Attendance [Booth #830]

Stop by booth #830 to pick up your general Certificate of Attendance for the NFMT Vegas Conference and Expo. A CEU transcript of the individual sessions you attended will be provided to you via e-mail two weeks after the conclusion of the event.



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*Polaris[®] LSVs comply with the NHTSA Low Speed Vehicles rules and regulations and can be operated on many streets with posted speed limits of 35 mph or less. Check local laws regarding street use and vehicle equipment requirements. Drivers must be at least 16 years old with a valid driver's license. Driver and passengers should always wear seat belts. Range on all Polaris[®] electric vehicles will vary depending on temperature, grade, payload, and driving style. Payload and passenger capacity vary by model. See your authorized dealer for details.

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SOLUTIONS Exchange

Join us for NFMT's famous round-robin, speed-learning, highly interactive event. Attend this event to network and brainstorm – with both industry experts and your peers – on critical topics that affect your decision-making outcomes. Take your seat and join in an exchange of ideas, facilitated by some of the top manufacturers and experts serving the facility industry.

Choose up to **THREE** topics from the list below:

Don't Sweat the Hot Spot. Spot Coolers to the Rescue.

You'll get answers to the questions you never thought to ask. You'll learn how spot coolers fill a crucial role for climate control and how to use portable air conditioning as an affordable solution for backup, emergency, supplemental, primary and disaster recovery cooling.



Energy Efficient Building Automation

With rising energy costs and tighter operating budgets, the ability to monitor and assess energy use is critical, but installing conservation measures with no thought to comfort can result in failure. This exchange will provide insights into striking the right balance.

AUTOMATEDLOGIC®

Successful Bid Management

This discussion is geared towards managing your project and bidding process from start to finish. We will talk about finding the right vendors for projects/repairs and how to better expedite the communication process. We will also review different methods for document distribution and vendor management to save time and money.



An Integrated Weather Barrier, Achieve it in Your Building

Continuing the discussion from the conference session "Design, Material and Installation: The Three Facets of an Integrated Weather Barrier", we will dive into why it is relevant, how it works but most importantly how to apply the concept to your building.



Enhance the Efficiency of your Facility

An informative education session dedicated to enhance the performance of your facility's existing HVAC system. Learn how to increase the efficiency, performance and environmental quality of your facility by an industry leading EMS Integrator and supplier of building automation components.



Lighting Efficiency versus Effectiveness

Many engineered energy projects focus on the efficiency of the lighting recommendations. Come to this table to learn about the variables you need to determine to get what you pay for.



Optimizing Your CMMS

Managing your maintenance is not a "do once and it's done" point in time; neither is computerizing it! You need to define your success target(s), review what you have accomplished and tune up what needs improvement to meet these targets. This exchange discusses the review process and how to get the greatest returns.



Maintain Facilities Easier with Facility Maintenance Software (FMS)

While at this discussion you will learn the importance and ease of online facility maintenance software for your facility. Learn how the online system can assist with work orders, asset tracking, real-time monitoring and more which will allow you to run the facility more effective and efficiently.



Best Practices for Fire Suppression in Commercial Buildings

Join this exchange for a wide-ranging discussion of fire safety solutions and strategies. Learn how to bolster preventive measures and get answers to your NFPA inspection and testing questions.



Independent Water Management and Legionella

How do facility owners and managers deal with the new ASHRAE Standard 188: Prevention of Legionellosis Associated with Building Water Systems? Come to this table and learn about independent oversight, Legionella testing accuracy, and HACCP-Based Water Management processes.



Long Term Door Solutions

Discussions will focus on the prevention of typical door problems in new openings, and how to correct door problems in existing openings.



Tuesday

OCT 2

4:00 – 5:00 p.m.

Montego A

**Free Beer for
All Participants!**

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Tuesday

OCT
2

8:00-8:50 a.m.

- Montego A T1.MA** The FM of Today versus the FM of Tomorrow
St. Thomas A T1.SA Building Sustainability Through Building Automation

9:00-9:50 a.m.

- Antigua A T2.AA** Integrated Building Management Systems (IBMS) For Existing Buildings: The Challenges and Solutions
Jamaica T2.JA The Do's and Don'ts of Fire Alarm/Suppression Inspection, Testing and Maintenance
Montego A T2.MA The Walter Reed, Building 18 Investigation: Lessons Learned
Montego B T2.MB Design, Material and Installation: The Three Facets of an Integrated Weather Barrier
Montego C T2.MC Sustainable Commercial Landscape Management
Montego D T2.MD Is Technology Hurting or Helping Your Leadership Style?
Montego E T2.ME Energy Harvesting Building Technologies and Tax Incentives for Commercial Building
St. Thomas A T2.SA When to use a Gateway
St. Thomas B T2.SB Energy Efficiency Initiatives for Hotels

10:00-10:50 a.m.

- Antigua A T3.AA** Misalignment: Why Your CMMS is Not Making the Grade
Antigua B T3.AB Customer Service: The FM's Neverending Journey
Jamaica T3.JA Security Integration in Facilities Management
Montego A T3.MA 10 Tips to Build a Better Maintenance Team
Montego B T3.MB 20 Reasons Your Green Building May Not Have Green Indoor Air
Montego C T3.MC New Green Floor Covering Backings and Installation Technology
Montego D T3.MD Measure, Manage, Improve: Aren't they Interconnected?
Montego E T3.ME Making it Run Right: Using a BAS to Spot Maintenance Problems
St. Thomas A T3.SA What BACnet Means to Me
St. Thomas B T2.SB Sustainable Operations in Las Vegas Hotels

11:00-11:50 a.m.

- Antigua A T4.AA** The Emerging Market for High-Performance Outcome-based Services
Antigua B T4.AB Net Zero Energy Building Certification
Jamaica T4.JA Implementing NFPA 70E for Arc Flash Safety
Montego A T4.MA Effectively Prioritizing Maintenance Work
Montego B T4.MB Lighting Retrofits: A Smarter Facility Management Option
Montego C T4.MC Saving Water in Commercial Buildings 101
Montego D T4.MD Turning Buildings into Batteries
Montego E T4.ME Smart and Integrated Energy
St. Thomas A T4.SA BACnet: The Best Choice for Designing and Specifying Building Automation Systems Successfully
St. Thomas B T4.SB ADA Updates for the Hospitality Industry

12:00 - 4:00 p.m. Exhibit Hall Open

2:45 p.m. BACnet International Leader of the Pack Awards

2:45 p.m. \$1,000 Daily Drawing sponsored by GEM by Polaris

3:00 - 4:00 p.m. Networking Party sponsored by BACnet International Exhibit Hall

4:00 - 5:00 p.m. Solutions Exchange Montego A

Wednesday

OCT
3

8:00-8:50 a.m.

- Montego A W1.MA** Identify and Cultivate the Next Generation of Facilities Managers
Montego B W1.MB Water Efficiency Saves on the Bottom Line
St. Thomas A W1.SA Distributed BACnet Lighting Controls

9:00-9:50 a.m.

- Antigua A W2.AA** Codes and Lighting Controls: Commercial Building Energy and Green Code Requirements
Jamaica W2.JA Hot Topics in Fire Protection
Montego A W2.MA Success in FM...the Necessary Ingredients
Montego B W2.MB How LEED-EBOM 2012 Will Affect Green Cleaning
Montego C W2.MC Are Your Roofing Assets Sustainable? Rating Your Roof for Long-Term Performance
Montego D W2.MD The Role of Root Cause Analysis in Continuous Improvement
Montego E W2.ME Using EAct to Make Energy Projects Possible
St. Thomas A W2.SA Free LEED Credits with every BACnet connected VFD
St. Thomas B W2.SB Ensuring Fire Safety for Food Service Operations in Commercial Facilities

10:00-10:50 a.m.

- Antigua A W3.AA** A Road Map for Lifecycle BIM
Antigua B W3.AB The Six Myths of Disaster Planning
Montego A W3.MA Revealing some of LED Lighting's deep, dark secrets
Montego B W3.MB Effective Use of Legionella Tests to Validate Hazard Control in Facility Water Systems
Montego C W3.MC Energy Efficiency and Indoor Air Quality: A Success at ASHRAE Headquarters
Montego D W3.MD Workplace Issues: What Can We Expect in 2012 - 2013
Montego E W3.ME Tips for Building Energy Efficiency through Energy Audits and Retro-Commissioning
St. Thomas A W3.SA When Interoperability Isn't
St. Thomas B W3.SB Bed Bug 101: Understanding, Identifying and Removing

11:00 a.m. - 2:00 p.m. Exhibit Hall Open

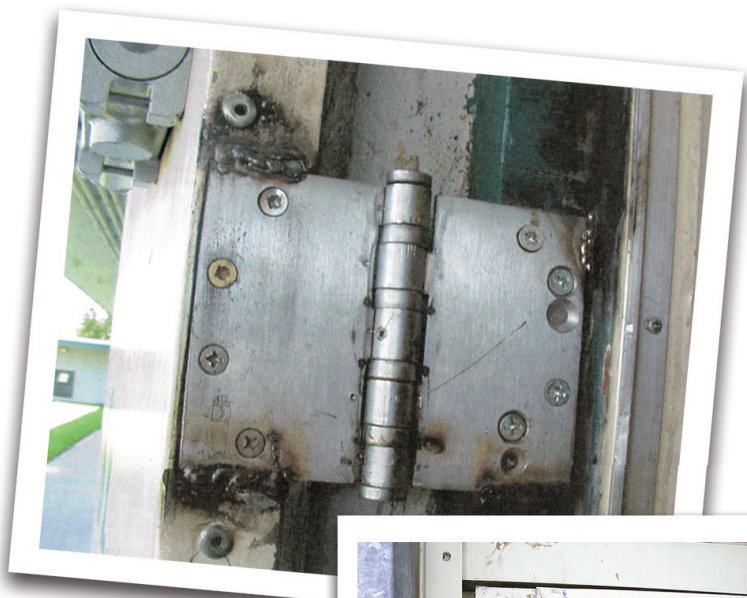
1:45 p.m. \$1,000 Daily Drawing sponsored by GEM by Polaris

2:10-3:00 p.m.

- Antigua A W4.AA** Retail Facilities HVAC Benchmarks
Jamaica W4.JA Work on the Move: How Technology Will Revolutionize Facilities Management
Montego A W4.MA How Planning, Design and Construction Decisions Affect O&M Activities
Montego B W4.MB ADA in 3D
Montego C W4.MC Ensuring a Clean, Healthy and Green Indoor Environment
Montego D W4.MD Recycling: How to Increase Diversion Rates
Montego E W4.ME Smart Grid-Enabling Lighting Technologies
St. Thomas A W4.SA BACnet Success Stories

3:10-4:00 p.m.

- Montego A W5.MA** Future-Proofing Non-Residential Buildings with Networked Wireless Lighting Controls
Montego B W5.MB Load Banks: Generating Success
Montego C W5.MC Solar Project Financing for Facilities Managers
Montego D W5.MD Using Lock Out/Tag Out Notification
St. Thomas A W5.SA Which Points Should I Use and Why?



Worn hinges cause a door to drop and require costly, frequent repairs.



A **problem door** isn't always a **door problem.**

A sticking door probably isn't the door's fault. Butt and pivot hinges wear out quickly on high-traffic entrances. Stress focused on only two or three hinge points eventually deforms the hinges, making a door hard to close and compromising security.

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A SELECT geared continuous hinge distributes stress along the length of the door, giving it unbeatable durability proven by 25,000,000 open/close cycles in independent testing — 10 times beyond BHMA Grade 1 cycle count — equivalent to 60+ years of high-traffic use.

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- Stainless steel pin & barrel continuous hinges
- Geared continuous hinges for electrically equipped doors



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EDUCATIONAL Sessions

Develop your own program

NFMT Vegas' 65 Free Educational Sessions are divided into nine tracks. You can follow one track for both days, or choose sessions from all nine tracks for a well-rounded education.

-  Energy
-  Leadership
-  Operations and Maintenance
-  Technology
-  Security
-  Sustainability
-  The FM Mission
-  Hospitality
-  BACnet



(Sponsored by BACnet International)

 Session video will be archived for NFMT Members

TUESDAY, OCTOBER 2 8:00 - 8:50 AM

Leadership 

T1.MA The FM of Today versus the FM of Tomorrow

Room: Montego A

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

What is the new FM role of the future? The FM who can deliver value and performance at a lower cost, heading a seamless organization of "in-house" and out-sourced vendor personnel, which maximizes the profits of the vendors without increasing the cost. The FM of the future will use a leadership based structure to create a transparent measured environment that minimizes the need to manage, direct, and control. The new organization will be a revolving door of the latest technology, with very little overhead, outstanding value, and providing the facility of the future. This session will share case studies from various industries.

Learning Objectives:

1. Understand how to create value and accountability in a transparent manner
2. Learn where the industry is headed and where you want to be
3. Review how to lead your team to success
4. Review case study results on what other leaders have done

AUDIENCE: INTERMEDIATE CEU:0.1

BACnet International, Technology 

T1.SA Building Sustainability Through Building Automation

Room: St. Thomas A

Presenter(s): Ben Dorsey, Vice President, Marketing and Communications, KMC Controls

This session describes four primary areas of achieving sustainability. For each of these areas, common building automation strategies and tactics will be discussed. Also, an exemplary case study for each area will be summarized.

Learning Objectives:

1. Be able to define building sustainability and building

automation

2. Identify four major areas where building automation can influence building sustainability
3. Describe one or more ways that building automation contributes to each of the four areas
4. Explain what they can do to ensure a greater level of building sustainability on their next project

AUDIENCE: INTERMEDIATE CEU:0.1

9:00 - 9:50 AM

Technology 

T2.AA Integrated Building Management Systems (IBMS) For Existing Buildings: The Challenges and Solutions

Room: Antigua A

Presenter(s): Jim Sinopoli, Managing Principal, Smart Buildings

IBMS offer more operational capabilities than traditional BMS: for example analytic tools such as HVAC fault detection and diagnostics, the ability to consolidate alarms from multiple systems into one alarm management application, much broader integration of building systems, customized dashboards for different types of users, demand response applications, energy management, etc. Deploying IBMS in an existing building or a portfolio of buildings involves dealing with existing building systems and system documentation which may present issues in implementation. This presentation addresses the advantages of IBMS and more importantly the real life solutions for issues in existing buildings.

Learning Objectives:

1. Identify and describe the basic design foundations and technology systems associated with IBMS
2. Develop a basic knowledge of the design and installation issues related to integrated building management systems in existing buildings
3. Demonstrate and communicate the value of IBMS to the building owner/operator and cost justify the approach
4. Apply aspects of IBMS to energy management and improved operations

AUDIENCE: ADVANCED CEU:0.1

Safety and Security

T2.JA The Do's and Don'ts of Fire Alarm/Suppression Inspection, Testing and Maintenance

Room: Jamaica

Presenter(s): Rick Reynolds, Director of National Accounts, Orr Protection Systems

The NFPA standards along with local and state codes require your fire alarm/suppression system(s) be inspected and tested every year and in some cases multiple times a year. Do you know what is required for your system? This session is designed to help you understand what you must "do" to maintain your fire systems and what "not to do" which often leads to nuisance alarms and system problems. By the end of this session, you will have a solid understand of how fire alarm systems work and what you can do to reduce those costly emergency calls.

Learning Objectives:

1. Understand how fire systems work and why
2. Understand the NFPA inspection and testing requirements
3. Learn the record keeping required by law and how to make it easier
4. Prevention is the best medicine, learn what to do and when to do it

AUDIENCE: BEGINNER CEU:0.1

Operations and Maintenance 

T2.MA The Walter Reed, Building 18 Investigation: Lessons Learned

Room: Montego A

Presenter(s): Ricky Smith, Principle Reliability Advisor, GPAllied

The facility maintenance management system that the U.S. Army developed for its preventive maintenance program was not used properly in the Garrison Facilities at Walter Reed Army Medical Center. Consequently, senior leadership was left blind to the looming maintenance problems (they had a CMMS but had little data and the data was questionable). Learn from the Facility Investigating Office, MAJ Ricky Smith (Retired), on his experience and things you can do to manage a complex facility organization effectively.

Learning Objectives:

1. Learn how to manage the asset health of a complex facility and how to rank assets based on risk to the business
2. Understand which metrics will explain how effective your PM program is
3. Discover how to balance preventive with predictive maintenance
4. Explore maintenance metrics using balanced score-cards

AUDIENCE: BEGINNER CEU:0.1



Tuesday

Operations and Maintenance

T2.MB Design, Material and Installation: The Three Facets of an Integrated Weather Barrier

Room: Montego B

Presenter(s): David Leslie, Sr. Consultant/Sr. Project Manager, Conley Group

Whether it is new construction, restoration or repair, it is critical to the long term success of any project and to the sustainable performance of any building that the building envelope components be brought together to create an integrated weather barrier. This is achieved through the purposeful coordination of the three elements of all projects; design, material and installation. This seminar will define the concept of the building envelope, examine the importance of obtaining an integrated weather barrier and explain how the functions of design, material and installation are intimately intertwined and how they can be coordinated.

Learning Objectives:

1. Comprehend the building envelope and the integrated weather barrier concepts
2. Understand how the integrated weather barrier concept impacts the performance and sustainability of a building
3. Develop a better understanding of the design, material and installation concept
4. Explore the process of proactively creating coordination between design, material and installation to achieve an integrated weather barrier

AUDIENCE: INTERMEDIATE CEU:0.1

Sustainability

T2.MC Sustainable Commercial Landscape Management

Room: Montego C

Presenter(s): Richard Restuccia, Director for Water Management Solutions, ValleyCrest Companies, Inc.

Beautiful landscapes drive value but managing this important asset is sometimes an afterthought. Find out how other facility managers have implemented sustainable changes and what you should expect from your landscape partner from cost saving ideas to enhancements that build strong curb appeal. Your landscape partner should be creative, proactive and committed to your property's success. We'll identify specific areas you should focus on to create a landscape that is functional, beautiful, sustainable and cost-effective. And we'll help clarify facility managers' role in developing landscaped areas that complement new construction or the renovation of existing buildings.

Learning Objectives:

1. Learn best management practices that include developing a water conservation program, irrigation efficiency, soil stabilization, plant health and waste reduction
2. Learn water management secrets for the greatest ROI
3. How to integrate your landscape with your overall property objectives including reducing its ecological footprint
4. Learn why a recommendation makes sense from a financial and landscape best practice

AUDIENCE: INTERMEDIATE CEU:0.1

Leadership

T2.MD Is Technology Hurting or Helping Your Leadership Style?

Room: Montego D

Presenter(s): Stormy Friday, President, The Friday Group

We embrace technology as a "necessary evil" in the day-to-day management of our FM organizations and have become totally dependent on email, voice mail, texting, tweeting, and other professional and social networking media. Some FM managers have substituted technology solutions for those that involve hard-core decision making and face-to-face interaction with staff, colleagues and senior executives. Sometimes technology over-takes effective management and communication with others. The session focuses on utilizing technology appropriately and when technology should not be substituted for other approaches. It isn't merely "getting back to basics," but the ability to discern the right time and place for high-tech to be the tool of choice for an FM manager.

Learning Objectives:

1. Identify the appropriate situations for a high-tech solution
2. Determine what technology tools to use in certain situations
3. Solidify the role of and function of an FM manager in a technology-driven business environment

AUDIENCE: INTERMEDIATE CEU:0.1

Energy, Technology

T2.ME Energy Harvesting Building Technologies and Tax Incentives for Commercial Building

Room: Montego E

Presenter(s): Cory Vanderpool, Business Development Director, EnOcean Alliance

Energy harvesting building technologies represent cost effective solutions for retrofits and new construction. There are incentives that can help building owners cover the costs related to their implementation. This presentation aims to identify the importance of building sustainability and will provide information about existing state and federal incentives.

Learning Objectives:

1. Understand the advantages of utilizing energy harvesting technologies in buildings for energy efficiency
2. Learn about the commercial building tax deduction program
3. Discover the benefit of exploring state incentives for building retrofit initiatives
4. See real world examples of energy harvesting applications

AUDIENCE: INTERMEDIATE CEU:0.1

BACnet International, Technology

T2.SA When to use a Gateway

Room: St. Thomas A

Presenter(s): Steven Jones, Managing Partner, The S4 Group, Inc.

Recently more building projects have been proposed to retrofit or remodel buildings than to build new structures. Building automation companies need to be equipped to recommend a solution that meets the customer's needs at an affordable price. The old approach of ripping out the old system and putting in new equipment many not be the most cost effective or technically savvy approach.

Learning Objectives:

1. Learn about a decision-making model for including a gateway in the overall customer solution
2. Gain an understanding of the architecture of a gateway appliance that enhances the open system approach of BACnet

AUDIENCE: ADVANCED CEU:0.1

Hospitality, Energy

T2.SB Energy Efficiency Initiatives for Hotels

Room: St. Thomas B

Presenter(s): Bob Holesko, CEM, CEA, Vice President, Facilities, HEI Hotel and Resorts

Within five years of beginning an energy conservation program, HEI Hotels and Resorts has reduce energy use by over 20 percent, earned Energy Start Partner of the Year in both 2010 and 2011, and just recently received the 2012 Energy Start Sustained Excellence award. This presentation will profile the planning and monitoring, program implementation and employee participation involved to create successful energy reduction program. For hotels the guest rating is the ultimate measure but there are steps you can take, which guests won't even notice, to reduce energy consumption and save money.

Learning Objectives:

1. Learn how HEI audited energy use to identify waste or over usage
2. Identify key areas for energy efficiency: Lighting, HVAC, water, waste
3. Understand options to pay for energy upgrades such as capital improvement budgets and rebates
4. Comprehend how to get all major stakeholders involved and participating in energy efficiency projects

AUDIENCE: Advanced CEU:0.1



10:00 - 10:50 AM**Technology** **T3.AA Misalignment: Why Your CMMS is Not Making the Grade**

Room: Antigua A

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

Organizations are spending a lot of money implementing facilities maintenance software with little improvement over their old systems. The software simply enables them to continue the same stagnant processes and services. Additionally, facility managers are constantly bombarded with new technology and changing software offerings, adding confusion to the software selection and implementation process. Facilities managers should begin looking to their maintenance software to provide information to help them achieve their objectives. It should not simply be a tool to track maintenance activities. This presentation will provide a roadmap to aligning their current maintenance management software with their true management priorities.

Learning Objectives:

1. Be able to assess the effectiveness or shortcomings of existing maintenance management software systems
2. Understand the importance of continuous improvement in facilities operations
3. Understand the management tools and information inherent in common maintenance management software systems
4. Learn a value-adding approach to effectively re-implementing and/or aligning your maintenance management software system

AUDIENCE: INTERMEDIATE CEU:0.1

Operations and Maintenance**T3.AB Customer Service: The FM's Neverending Journey**

Room: Antigua B

Presenter(s): Alyce Honore-Hubert, Supervisor, Facilities Maintenance and Operations, Houston Independent School District

Dennis J. Randolph, Executive Director, National School Plant Management Association
Attend this session for a detailed overview of the National School Plant Management Association's focus on the key role of customer service. From proactive assessment to managing work order expectations to building a reputation of reliability, quality and integrity, this presentation will offer a road map for school and other facility management teams to follow in establishing their teams as dependable, efficient and vital to the overall organization.

Learning Objectives:

1. Learn how to be proactive in assessing, inspecting, evaluating, and measuring project/venture
2. Review the right way to process a customer's work order to meet expectations and perceptions
3. Understand how to promote integrity, reputation, credibility, dependability and reliability among FM team members

AUDIENCE: INTERMEDIATE CEU:0.1

Safety and Security**T3.JA Security Integration in Facilities Management**

Room: Jamaica

Presenter(s): Jason Porter, Director of Operations -Southwest Region, Pinkerton C&I

This presentation is to educate facility managers on how to build an effective physical security program, and how to select the best vendor for the implementation for your plan.

Learning Objectives:

1. Learn how to choose contract vs. proprietary security
2. Understand the right blend of technology and personnel
3. Learn how to determine your KPI's and ROI's
4. Understand tips for writing effective security RFP's

AUDIENCE: ADVANCED CEU:0.1

Leadership, Operations and Maintenance **T3.MA 10 Tips to Build a Better Maintenance Team**

Room: Montego A

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

No matter how top-of-the-line your equipment is, no matter how expensive your CMMS system, your success truly depends on the team you've created. Over the last few years new positions are not being created and departments have been slashed. Every single member of your team now needs to be on the top of his or her game to successfully achieve the organization's objectives. Don't despair – there are steps you can take to make sure you have the best maintenance team available. In this session, Mike Cowley will walk you through 10 steps to build a better maintenance team.

Learning Objectives:

1. Understand the biggest hiring hurdles
2. Review interview and hiring tips
3. Learn how to identify gaps in your current departments
4. Understand ways to change behaviors within your existing team

AUDIENCE: INTERMEDIATE CEU:0.1

Operations and Maintenance**T3.MB 20 Reasons Your Green Building May Not Have Green Indoor Air**

Room: Montego B

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

This session will discuss indoor air quality (IAQ) and how commonly implemented design and construction aspects can negatively impact IAQ. The goal of the session is to inform attendees so they can avoid issues in future building designs and construction, especially in the green building industry. Attendees will leave the session with a basic knowledge of IAQ and 20 specific examples of how their participation in the design, construction, and operation of a building can be altered to prevent issues identified.

Learning Objectives:

1. Describe basic IAQ concepts and the importance to

building occupants

2. Identify 20 building design, construction and maintenance issues that negatively impact IAQ
3. Analyze how these 20 issues may negatively impact IAQ
4. Develop potential means of preventing or mitigating the issues identified

AUDIENCE: INTERMEDIATE CEU:0.1

Operations and Maintenance, Sustainability**T3.MC New Green Floor Covering Backings and Installation Technology**

Room: Montego C

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

This program will cover information on the most common flooring failures today; compromising substrate conditions such as moisture, alkalinity, curing agents, highly burnished concrete and surface treatments, flame retardants and insecticides on wood. It will also cover new green carpet backings and technology for combating compromising installation issues.

Learning Objectives:

1. Review the most common flooring failures
2. Learn about new backing technologies
3. Learn about new installation technology that is not affected by substrate issues
4. Understand how to minimize mitigation expense and prevent premature replacement of flooring

AUDIENCE: ADVANCED CEU:0.1

Leadership**T3.MD Measure, Manage, Improve: Aren't they Interconnected?**

Room: Montego D

Presenter(s): John Garrett, President and CEO, Facilities Management Advisors, LLC

How are we defining customer satisfaction? The dictionary tells us it is simply "a measure of how products and services supplied by a company meet or exceed customer expectations". Clearly, fundamental to any business operation's success is to engineer a meaningful measurement process, driving accountability and sustained effectiveness at all levels within the organization. World-class organizations maximize their opportunities for both organic and external growth through achieving high levels of customer satisfaction — easier said than done, right? According to a recent Gallup poll, organizations that have strong processes in place to effectively manage and improve client satisfaction have outperformed their competitors by 26 percent in gross margin and 85 percent in sales growth.

Learning Objectives:

1. Learn from the historical perspective of measure, manage, improve
2. Learn how to leverage data to drive decision making and best practice modeling
3. Understand best practices in metrics management, benchmarking, and how technology supports the process
4. Discover innovations in best practice modeling as a means to drive continuous improvement strategies

AUDIENCE: INTERMEDIATE CEU:0.1



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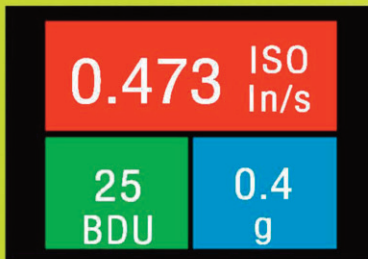
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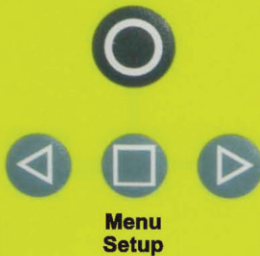
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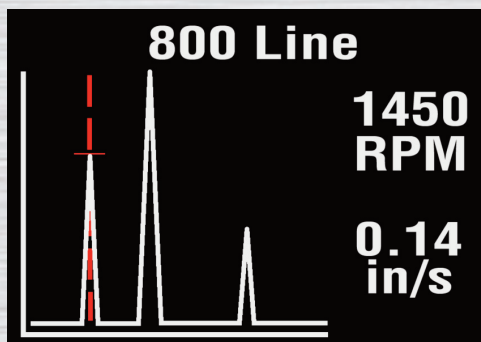
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Operations and Maintenance, Sustainability

T3.ME Making it Run Right: Using a BAS to Spot Maintenance Problems

Room: Montego E

Presenter(s): Steve Tom, P.E., PhD, Director of Technical Information, Automated Logic Corp. Entropy is the natural enemy of efficiency. Even the finest LEED certified systems will degrade over time, and sometimes the most cost effective improvements to an existing building simply involve getting things to work the way they're supposed to. This presentation will show how to use existing building automation tools to find problems that are wasting money. Stuck dampers, outdated schedules, locked points, and similar problems can go unnoticed for years or they can easily be spotted by a few simple troubleshooting techniques. The presentation will show how to use existing and emerging BAS features to spot these problems without overwhelming your maintenance crew with false alarms.

Learning Objectives:

1. Understand how common problems can lead to huge energy losses
2. Learn how existing building automation tools can help spot common problems
3. Learn simple programming "tricks" to make alarms meaningful
4. Become aware of emerging tools that can make troubleshooting even easier

AUDIENCE: INTERMEDIATE CEU:0.1

BACnet International, Technology

T3.SA What BACnet Means to Me

Room: St. Thomas A

Presenter(s): Dominic Eorio, Installer Program Manager, Carrier

During this session, we will identify what expectations an owner/facility manager should have when taking ownership of a new BACnet control system and what questions should be asked of their installing contractor to ensure they realize the true benefit of the open platform.

Learning Objectives:

1. Understand how to realize the benefits of an open platform control system
2. Learn what questions to ask before taking ownership of a BACnet control system
3. Ensure you have the information necessary to expand your system
4. Be able to prevent a forced "marriage" with the installing contractor

AUDIENCE: BEGINNER CEU:0.1

Hospitality, Sustainability

T3.SB Sustainability in Las Vegas Hotels

Room: St. Thomas B

AUDIENCE: BEGINNER CEU:0.1

11:00 - 11:50 AM

Sustainability

T4.AA The Emerging Market for High-Performance Outcome-based Services

Room: Antigua A

Presenter(s): Rick Walker, LEED AP, Program Leader, High-Performance Building Services, Trane Building owners and managers are seeking improved performance from the building assets that they own and operate. With increasing frequency, the products and services are expected to produce specific outcomes. This OUTCOME-BASED approach to services has changed the way companies think of services and have helped transform many service industries from a wrench-based commodity business driven by cost, to a high-level, knowledge-based offering that delivers business outcomes for customers through tools and connectivity with client business systems.

Learning Objectives:

1. Learn how the philosophy of outcome-based services is the heart of high performance buildings
2. Review how high performance buildings creatively utilize a broad array of products and services
3. Learn how one customer was able to focus on the desired outcome in an individual problem area and dramatically improve business performance

AUDIENCE: ADVANCED CEU:0.1

Sustainability

T4.AB Net Zero Energy Building Certification

Room: Antigua B

Presenter(s): Daniel D.A. Huard, Assoc. AIA, PMP, LEED® AP BD+C, Construction Engineer, LVVWD Engineering Design

This session will introduce participants to the International Living Future Institute's Living Building Challenge and their Net Zero Energy Building Certification. The goal of the session is to introduce the dramatic ROI impacts of these sustainable building certification programs. Attendees will leave the session with a basic knowledge of Living Building Challenge concepts and application to facilities development and renovations.

Learning Objectives:

1. Describe the Living Building Challenge and Net Zero Energy Building Certification
2. Identify 20 Living Building Challenge Imperatives that impact Living Building Challenge Certification

AUDIENCE: INTERMEDIATE CEU:0.1

Safety and Security

T4.JA Implementing NFPA 70E for Arc Flash Safety

Room: Jamaica

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

Want to know more about implementing NFPA 70E? Applying NFPA 70E to real-world situations can be confusing and at times overwhelming. This informative session equips attendees with the knowledge to

keep your employees safe from electrical hazards. You will learn practical information you can begin to apply immediately at your workplace.

Learning Objectives:

1. Learn how NFPA 70E and OSHA work together
2. Learn how to conduct an arc flash hazard assessment at your facility
3. Get insight on the proper use of personal protective equipment
4. Discover how arc flash hazard assessment keeps workers safe

AUDIENCE: INTERMEDIATE CEU:0.1

Operations and Maintenance

T4.MA Effectively Prioritizing Maintenance Work

Room: Montego A

Presenter(s): C. Paul Oberg, President and Chief Executive Officer, EPAC Software Technologies, Inc. RIME, Ranking Index for Maintenance Expenditures, is one of the most widely used work order priority systems by maintenance organizations. Developed by Albert Ramond and Associates, the methodology employs factors associated with type of work and type of asset. An effective priority system such as RIME will enable maintenance organization to more effectively plan, schedule, analyze and evaluate their efforts.

Learning Objectives:

1. Learn the RIME method of prioritizing work orders
2. Understand how to use priorities to schedule work
3. Learn how to use RIME to analyze work
4. Review how to implement a RIME priority system

AUDIENCE: BEGINNER CEU:0.1

Technology

T4.MB Lighting Retrofits: A Smarter Facility Management Option

Room: Montego B

Presenter(s): Kurt Vogel, Director of Product Development, RELIGHT, Lithonia Lighting, an Acuity Brands company

With rising energy costs, renewed focus on efficiency and growing availability of utility rebates, lighting retrofits are an intelligent solution more now than ever. Simply replacing lamps and ballasts may decrease energy use, but the lighting quality will remain the same. The latest retrofit lighting technology — including high performance LEDs — can deliver the appearance of a complete lighting renovation without breaking the ceiling plane. This presentation addresses new lighting retrofit technology, benefits of retrofitting the right way and key considerations when selecting a retrofit lighting solution.

Learning Objectives:

1. Learn why retrofits are a smarter and more attractive lighting solution
2. Explore the reason why one-to-one retrofits are a smarter long-term solution than simply replacing lamps and ballasts
3. Discover how current retrofit technology/solutions increase payback
4. Learn key considerations when specifying lighting retrofit solutions

AUDIENCE: INTERMEDIATE CEU:0.1



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Sustainability

T4.MC Saving Water in Commercial Buildings 101

Room: Montego C

Presenter(s): Russell Garcia, Program Manager - Commercial Real Estate, Energy Services, Johnson Controls, Inc.

Martin L. Davis, Program Manager - Water Efficiency, Johnson Controls, Inc.

Attend this session to learn a basic approach to reducing water use in commercial buildings. Learn how to evaluate and choose financially sound water efficiency projects in commercial buildings. Also we will discuss the four most crucial areas to reduce water use, cooling towers, landscaping, process equipment and plumbing fixtures. This session will feature several successful water reduction case studies.

Learning Objectives:

1. Learn how to choose financially sound water efficiency projects in commercial buildings
2. Learn best practices when addressing four specific areas: cooling towers, landscaping, process equipment and plumbing fixtures
3. Understand how to engage tenants in water efficiency practices

AUDIENCE: INTERMEDIATE CEU:0.1

Energy

T4.MD Turning Buildings into Batteries

Room: Montego D

Presenter(s): Phil Bomrad, President and CEO, Clean Urban Energy

This case study will demonstrate how a million-square-foot office building was able to cut HVAC energy spending by 20 percent and reduce peak demand by 30 percent, all without any capital expense, bulky equipment, or sacrifice to tenant comfort. This presentation will also touch on electricity cost components and how aggressive management of electricity procurement and consumption can have a significant impact on costs. Phil will explain how technology can be used to manage energy cost and consumption, or even turn energy consumption into an asset that can be managed to generate revenue.

Learning Objectives:

1. Learn how large buildings have the capacity to store thermal energy in the existing mass of their structures
2. Review how commercial building owners and operators can access and participate in energy markets, benefitting the electric grid and the environment, while creating revenue for their buildings
3. Review how FMs can harness a building's thermal mass (e.g. floors, walls and fixtures) and use this mass as a storage medium facility, so they can purchase and store energy when market prices are low and then use that energy later when prices rise
4. Review case studies that utilize thermal mass to store energy

AUDIENCE: INTERMEDIATE CEU:0.1

Energy

T4.ME Smart and Integrated Energy

Room: Montego E

Presenter(s): Bob Kinscherf, Vice President, Major Accounts, Constellation Energy

Energy is a top business expense presenting both opportunities and challenges for commercial buildings. Executives, energy and property managers, and engineers need a smart and integrated energy plan. Bob Kinscherf will guide the audience through real life decisions by leading companies in the commercial building industry which allowed them to lower their overall energy costs and meet or exceed their budget goals. Bob will share stories of how finance, energy and property management executives developed and implemented integrated supply and demand-side energy programs taking advantage of energy market prices, real time energy management software and creative financing.

Learning Objectives:

1. Learn about smart and integrated energy plans
2. Understand how to lower energy costs and exceed budget goals
3. Review integrated supply and demand-side energy programs

AUDIENCE: INTERMEDIATE CEU:0.1

BACnet International , Technology

T4.SA BACnet: The Best Choice for Designing and Specifying Building Automation Systems Successfully

Room: St. Thomas A

Presenter(s): Grant Wichenko, President , Appin Associates

Facility managers, owners and specifiers need a simple bulletproof solution for specifying BACnet-based BASs and equipment that will apply to high performance green buildings. BACnet is the protocol of choice for this task. The presentation will outline how to design and specify BACnet-based BASs from the initial concept, through design and LEED, construction, commissioning and finally the operational phase. The presentation will touch on specifying BACnet in the SmartGrid environment. Mr. Wichenko will also offer tips and tricks when specifying energy dashboards normally used by senior management.

Learning Objectives:

1. Outline the benefits of a BACnet-based design model to facility owners and managers
2. List the characteristics of well-designed BACnet interfaces for boilers, chillers, meters, etc by equipment suppliers
3. Specify on-board BACnet controls from equipment suppliers in a simple and understandable manner
4. Identify clear lines of responsibility for installation, wiring, programming, graphics and commissioning BACnet interfaces on mechanical, electrical and other equipment to avoid change orders
5. Discover how the BACnet-based networked controls design model assists with compliance to LEED and SmartGrid interoperability

AUDIENCE: INTERMEDIATE CEU:0.1

Hospitality, Operations and Maintenance

T4.SB ADA Updates for the Hospitality Industry

Room: St. Thomas B

Presenter(s): Joan W. Stein, President & CEO, Accessibility Development Associates, Inc.

Learning Objectives:

1. Understand the new updates to the 2010 ADA standard, specific to hospitality facilities
2. Learn about the recent updates to recreation areas including swimming pools
3. Be able to identify the timeline for implementation of new standard

AUDIENCE: INTERMEDIATE CEU:0.1

**WEDNESDAY, OCTOBER 3
8:00 - 8:50 AM**Leadership **W1.MA Identify and Cultivate the Next Generation of Facilities Managers**

Room: Montego A

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

Creating the dream facilities management team is no easy undertaking and in recent years it has become even more difficult. The facilities management industry is at a crossroads, "brain drain" or retirement of many skilled craftsmen and the increasing reliance on technology to run buildings. Today's current help wanted ads call for an interesting hybrid of a hands-on employee who also understands – and can quickly adapt to – current technology. This session will continue the discussion of the necessary skillsets for future facilities managers or engineers and how current FMs can identify and cultivate those talents to ensure a successful team and a successful future for your organization.

Learning Objectives:

1. Identify the need to recruit new individuals into the industry
2. Discover the sources for the next generation of employees, including college and university programs, technical schools, and other organizations
3. Understand what the next generation is looking for in a career and an employer
4. Review how to support employees or potential employees through internships and mentoring programs

AUDIENCE: ADVANCED CEU:0.1



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Sustainability **W1.MB Water Efficiency Saves on the Bottom Line**

Room: Montego B

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

Water and wastewater costs are rising even faster than oil and electricity. At the same time, there are a multitude of codes and standards changes in the pipe line that will impact how you use water in your facility in the future. There are proven ways to take charge of these rising costs and reduce your bottom line. This presentation will provide a summary of the important ways your business can reduce costs and keep abreast of new regulations and codes.

Learning Objectives:

1. Learn how water and wastewater costs will increase even faster in the future
2. Review changing codes and standards regarding water use
3. Understand what the facility manager can do to control these rising costs
4. Be able to identify where to go for professional help and financial assistance

AUDIENCE: INTERMEDIATE CEU:0.1

Technology, BACnet International**W1.SA Distributed BACnet Lighting Controls**

Room: St. Thomas A

Presenter(s): Ron Poskevich, Vice President, Sales and Marketing, Blue Ridge Technologies

For years, BACnet native lighting controls were locked away in the electrical closet. This education session will discuss the industry's movement towards distributed BACnet lighting control devices, and will provide best practices for designing and specifying an open BACnet native distributed lighting control system.

Learning Objectives:

1. Discover the benefits of using distributed BACnet lighting controls
2. Identify pitfalls in the design, specification and installation of distributed BACnet controls
3. Review real world distributed installations and applications

AUDIENCE: INTERMEDIATE CEU:0.1

9:00 - 9:50 AM**Energy****W2.AA Codes and Lighting Controls: Commercial Building Energy and Green Code Requirements**

Room: Antigua A

Presenter(s): Jennifer Holland, Marketing Manager, WattStopper

Michael Jouaneh, Marketing Manager, Lutron Electronics

Lighting controls can eliminate a significant portion of wasted lighting energy in buildings while enhancing occupant comfort and productivity. This session will review the mandated current and future lighting

control requirements in standards/codes such as ASHRAE 90.1 2010 and IECC 2012.

AUDIENCE: INTERMEDIATE CEU:0.1

Safety and Security**W2.JA Hot Topics in Fire Protection**

Room: Jamaica

Presenter(s): Greg Barker, Business Development, J.F. Ahern

Fire systems usually sit quietly behind the scenes. As a facilities operator, do you have an understanding of the issues and new technologies related to these systems? This fast paced presentation will give you an overview of industry issues as well as some new technologies that can help you improve your overall facility fire protection architecture.

Learning Objectives:

1. Review recent industry issues regarding freeze protected sprinkler systems
2. Learn how high-pressure watermist is a viable alternative to clean agents and traditional preaction sprinklers in high value and mission critical areas
3. Understand how new technologies are allowing fire to be detected, viewed and recorded
4. Review new insight into causes and solutions
5. Understand how OSHA is focusing on combustible dust hazards

AUDIENCE: INTERMEDIATE CEU:0.1

Leadership **W2.MA Success in FM...the Necessary Ingredients**

Room: Montego A

Presenter(s): Teena Shouse, Senior FM Consultant, Facility Engineering Associates

There are six key ingredients in my recipe of personal success and growth in the field of facility management. They are strong leadership, investing in your people, consistent relevant learning, being a change agent, the ability to bravely face real challenges, and to dream as a futurist.

Learning Objectives:

1. Explore how you can identify and cultivate each of these attributes in yourself
2. Create a personal roadmap to continuous growth and true satisfaction in the Facility Management profession
3. Explore the current trends and future outlook in FM

AUDIENCE: INTERMEDIATE CEU:0.1

Operations and Maintenance, Sustainability **W2.MB How LEED-EBOM 2012 Will Affect Your Green Cleaning Program**

Room: Montego B

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

The U.S. Green Building Council's LEED for Existing Buildings: Operations & Maintenance Rating System has become the roadmap for green cleaning. Today it is widely considered state-of-art in the cleaning industry and embraced by building owners and managers, as well as the suppliers of cleaning products and services. But LEED is changing and the new 2012 version will

introduce new requirements that can help a facility further reduce its environmental performance and save money.

Learning Objectives:

1. Understand the changes in LEED-EBOM 2012 as it applies to cleaning products and services
2. Understand specific opportunities that are easy to implement and low cost
3. Review the facility manager's role in a green cleaning program

AUDIENCE: ADVANCED CEU:0.1

Sustainability**W2.MC Are Your Roofing Assets Sustainable? Rating Your Roof for Long-Term Performance**

Room: Montego C

Presenter(s): James Hoff, DBA, Research Director, Center for Environmental Innovation in Roofing

Although the energy and environmental impacts of roofing footprints are enormous, few guidelines are available to help facility managers make energy-efficient, sustainable roofing choices. In response to this need, the Center for Environmental Innovation in Roofing has developed RoofPoint, a sustainable roof system guideline. This session will discuss how RoofPoint can be a guide, validate the roof system selection process, and select a roofing system that aligns with well-defined building sustainability criteria. In addition, the session will discuss how RoofPoint's non-proprietary approach supports competition and choice for building owners. Finally, the session will review recent case studies demonstrating how RoofPoint is a transformational but simple program that can be integrated into almost any roofing project with minimal expense.

Learning Objectives:

1. Recognize the contributions of commercial roofing systems in achieving a sustainable built environment and accelerating the pace of sustainable development
2. Understand the sustainability criteria and methodology incorporated in RoofPoint and how it may be used to assess roofing system alternatives and facilitate the selection of optimally sustainable roofs
3. Obtain the tools needed to conduct a RoofPoint roof system evaluation and achieve certification for roofing assets

AUDIENCE: INTERMEDIATE CEU:0.1

Operations and Maintenance**W2.MD The Role of Root Cause Analysis in Continuous Improvement**

Room: Montego D

Presenter(s): Kate Kerrigan, Reliability Engineer, Allied Reliability

Finding inspiration for continuous improvement programs can be as close as your latest failures. At first, this seems like an oxymoron, but Root Cause Failure Analysis (RCFA) done right forces us to look at our work in a different way. This scrutiny can often lead to new best practices, and even breakthrough thinking.

Learning Objectives:

1. Learn how to set triggers that are actionable in your organization



The Whole is Greater than the Sum of its Parts



A carefully designed system can achieve more than the sum of the integral parts.

High-performing components are an obvious starting point. But it is by combining products into a system, where one can achieve the best energy solution.

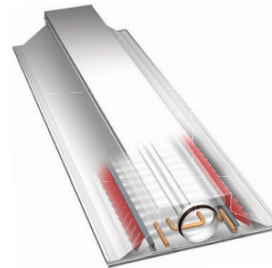
Case in point: Chilled Beams and the Pinnacle® System.

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NFMTVEGAS Booth #712



2. Learn how to set up an RCFA process that drives continuous-improvement thinking
3. Learn three methods to make the RCFA process sustainable

AUDIENCE: ADVANCED CEU:0.1

Energy

W2.ME Using EPCAct to Make Energy Projects Possible

Room: Montego E

Presenter(s): Charles Goulding, Esq., President, Energy Tax Savers, Inc.

Tax deductions can be a major factor in getting C-suite approval for energy efficiency projects. With the Energy Policy Act (EPCAct) providing up to \$1.80/square foot for HVAC, lighting and building envelope retrofits, it behooves facility managers to develop expertise in applying these deductions, which offer an unbeatable opportunity to recoup upgrade investments and save energy dollars for the long haul. In this session, attendees will learn how to qualify for an EPCAct deduction, which types of projects most often achieve deductions, and how to utilize integrated design to reduce overall building energy use.

Learning Objectives:

1. Learn how to qualify for an EPCAct deduction
2. Understand which types of projects most often achieve deductions
3. Review ways to utilize integrated design to reduce overall building energy use

AUDIENCE: INTERMEDIATE CEU:0.1

Technology, BACnet International

W2.SA Free LEED Credits with every BACnet connected VFD

Room: St. Thomas A

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

Both LEED for New Construction and LEED for Existing Buildings have credits available for energy measurement and verification. This session will cover how to obtain "free" LEED Credits by connecting your VFDs to the BACnet system.

Learning Objectives:

1. Understand LEED Energy and Atmosphere sections
2. Learn how to obtain LEED credits under Section 5 - energy measurement and verification
3. Review the LEED credits available by using the BACnet information available from your VFDs

AUDIENCE: INTERMEDIATE CEU:0.1

Hospitality

W2.SB Ensuring Fire Safety for Food Service Operations in Commercial Facilities

Room: St. Thomas B

Presenter(s): Nelson Dilg, President, Nelbud Services Group

Two important issues have recently emerged regarding fires in the grease exhaust systems of commercial buildings: 1) The NFPA standard governing this particular discipline (NFPA 96) now places compliance burden

squarely upon the building owner and 2) firefighter deaths that resulted from these otherwise preventable fires have prompted several cities and states to pass laws requiring licensure and strict inspection/reporting provisions, and more are beginning to speak of criminal consequences for building owners who fail to comply. This session will distill the specific responsibilities under NFPA 96, including changes to the standard, the building owner's responsibilities, the form that compliance takes in differing jurisdictions, and simple inspection techniques.

Learning Objectives:

1. Increase awareness of the building owners and engineers' responsibility to fire safety in grease exhaust systems
2. Learn about recent changes in NFPA 96 codes and compliance
3. Understand how inspection can help reduce non-compliance as well as the risk of fire in grease exhaust systems

AUDIENCE: BEGINNER CEU:0.1

10:00 - 10:50 AM

Technology

W3.AA A Road Map for Lifecycle BIM

Room: Antigua A

Presenter(s): Kurt von Koch, Vice President, FM: Systems

Even with all the information available on BIM, it's not always clear how facility managers can realize the value of this new technology. What's in it for us? How do you develop a BIM strategy? Are there any best practices? FM:Systems has an FM:BIM Working Group consisting of facility managers developing their strategies for leveraging BIM data to support FM processes. In this presentation, Kurt will present their stories and challenges, the results they are getting, and the lessons learned along the way as they use BIM to solve real-world facility management challenges.

Learning Objectives:

1. Learn more about BIM technology
2. Review how BIM can benefit facility managers
3. Review best practices in making a BIM project successful
4. Learn the importance of communicating with their AEC firms

AUDIENCE: BEGINNER CEU:0.1

Safety and Security

W3.JA The Six Myths of Disaster Planning: Lessons Learned in Turbulent Times

Room: Jamaica

Presenter(s): Dave Mistick, General Manager, DKI Commercial Solutions

Jim Wills, Commercial Restoration Program Manager

Attend this session to discuss the practical steps to establish a culture of risk management and disaster planning in each organization. The session will examine lessons learned from seeing first-hand reactions to an event versus proactive actions prior to the event, and

how many take hold of the task of disaster planning and preparation. Attendees will also receive guidelines for selecting vendors to support their disaster planning and recovery efforts.

Learning Objectives:

1. Discuss the six myths of disaster planning
2. Explore practical steps to establish a culture of risk management and disaster planning
3. Learn how to be proactive prior to an event versus reactive after it has occurred
4. Review helpful guidelines for selecting vendors to support disaster planning and recovery efforts

AUDIENCE: INTERMEDIATE CEU:0.1

Energy, Sustainability

W3.MA Revealing some of LED Lighting's Deep, Dark Secrets

Room: Montego A

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

Today, everyone seems to be an "expert" in LED technology. Every lighting conference becomes an LED conference with each speaker extolling the virtues of LEDs. In this session, the presenter will look a little deeper into the dark recesses of the LED marketplace to help attendees avoid some unfamiliar issues.

Learning Objectives:

1. Learn why equivalence is a misleading term
2. Understand what causes LED drivers to fail
3. Identify how energy savings doesn't always equal cost savings
4. Review why lighting controls are especially useful with LEDs

AUDIENCE: BEGINNER CEU:0.1

Operations and Maintenance

W3.MB Effective Use of Legionella Tests to Validate Hazard Control in Facility Water Systems

Room: Montego B

Presenter(s): Dr. William F. McCoy, Chief Technology Officer, Phigenics

Legionella causes serious, preventable diseases. Evidence that this hazard has been controlled (validation) is an essential requirement in the standard practice ASHRAE 188P: Prevention of Legionellosis Associated with Building Water Systems. This presentation gives results from extensive field and laboratory studies. The effective use of Legionella test results will be discussed.

Learning Objectives:

1. Understand the importance of Legionella test results to your operation
2. Understand ASHRAE Standard 188P - prevention of legionellosis associated with building water systems
3. Learn how water safety and operational efficiencies are related
4. Overview of HACCP (Hazard Analysis Critical Control Point) process and how it can be used to improve water safety

AUDIENCE: ADVANCED CEU:0.1



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Energy

W3.MC Energy Efficiency and Indoor Air Quality: A Success at ASHRAE Headquarters

Room: Montego C

Presenter(s): Duke Wiser, President, Dynamic Air Quality Solutions

Facility managers expect more from their buildings today, not only better indoor air quality but less energy consumption. In 2008, officials at ASHRAE Headquarters in Atlanta completed a renovation that transformed their two-story office building into a living lab for the HVAC engineering community. The renovated LEED Platinum facility now has a number of sustainable features that optimize indoor air quality while providing considerable cost savings. Attendees will discover how the HVAC design and delivery solutions at the ASHRAE Headquarters can significantly reduce their own energy consumption and operating costs.

Learning Objectives:

1. Review solutions for the issues facility managers are currently facing (High IAQ = high cost/energy)
2. Learn methods for improving indoor air quality and reducing energy costs
3. Understand how to leverage technology to meet demands for a sustainable high-performing facility
4. Review quantifiable benefits (return on investment cost energy savings) citing specific real-world examples from ASHRAE headquarters

AUDIENCE: INTERMEDIATE CEU:0.1

Leadership

W3.MD Workplace Issues: What Can we Expect in 2012 - 2013

Room: Montego D

Presenter(s): John E. Cruickshank, Attorney, Alaniz & Schraeder

Join an expert labor and employment attorney as he outlines real-world ways employers can remain in compliance and steer clear of legal trouble. The session will provide an overview of the recent regulatory onslaught including the National Labor Relations Board, Office of Federal Contract Compliance Programs, Agency Driven Lawsuits and Actions and Immigration & Customs Enforcement. This session will also review best practices for mandatory arbitration, employment policies, and training.

Learning Objectives:

1. Review strategic outlook for 2013
2. Review 2013 new developments with the NLRB
3. Learn how to stay afloat using best practices
4. Learn how to effectively implement a social media policy

AUDIENCE: ADVANCED CEU:0.1

Energy

W3.ME Tips for Building Energy Efficiency through Energy Audits and Retro-Commissioning

Room: Montego E

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

People deserve to live and work in buildings that are energy-efficient and work properly. This session will discuss ways to achieve energy efficiency in your building. Topics include: energy audits, retro-commissioning, controls, scheduling, capital improvements and energy conservation measures. We will discuss the process of each program and provide the benefits of applying these to your existing facilities.

Learning Objectives:

1. Recall the different programs that a building can use to be more energy efficient
2. Examine the different benefits that are associated with each energy saving tip
3. Demonstrate the different levels of an energy study
4. Apply the different programs to your facility

AUDIENCE: INTERMEDIATE CEU:0.1

Technology, BACnet International

W3.SA When Interoperability Isn't

Room: St. Thomas A

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

This session will describe various hurdles to achieving interoperability on a multi-vendor control project and what facility professionals can do to alleviate such problems.

Learning Objectives:

1. Understand the goals of interoperability
2. Become aware of common hurdles related to interoperability
3. Determine actions that can be taking to avoid such problem on multi-vendor projects

AUDIENCE: INTERMEDIATE CEU:0.1

Hospitality

W3.SB Bed Bug 101: Understanding, Identifying and Removing Bed Bugs

Room: St. Thomas B

Presenter(s): John Cooksey, COO, McCall Service
Attend this session to learn about bed bugs – the biology of the bed bug and features that make it unique, current bed bug issues and liability, and bed bug treatment options. Attendees will review what areas of the U.S. are affected by bed bugs and be able to identify the living environments in which bed bugs are a problem. Finally, review real-world solutions to mitigating risk or managing an outbreak.

Learning Objectives:

1. Understand the biology of a bed bug
2. Review current bed bug issues and liability
3. Identify bed bug treatment options

AUDIENCE: INTERMEDIATE CEU:0.1

2:10 - 3:00 PM

Operations and Maintenance

W4.AA Retail Facilities HVAC Benchmarks

Room: Antigua A

Presenter(s): Joshua Witte, RFMP, Director, Industry Programs, PRSM

Do you know how your facility management department compares with others? The PRSM Benchmarking Study has the information that will help you establish benchmarks, develop best practices and understand the state of retail facility business. Conducted throughout 2011, the PRSM Benchmarking Study provides valuable statistics on the industry, showing how companies of similar size perform. It also reports methods of operation, procedures, and practices. Categories examined include preventative maintenance practices, repairs, asset management, energy management systems, and costing benchmarks, such as cost per square foot, climate data, and cost per occurrence analysis.

Learning Objectives:

1. Review commonalities in retail HVAC business practices
2. Learn basic HVAC costing benchmarks for the most common metrics
3. Become aware of the methodology of HVAC benchmarking data analysis

AUDIENCE: BEGINNER CEU:0.1

Technology

W4.JA Work on the Move: How Technology Will Revolutionize Facilities Management

Room: Jamaica

Presenter(s): Jim Wilton, VP, Marketing and Solution Management, Planon Software

Rapid advances in technology are redefining the way facilities and real estate managers design and deliver optimal workplace environments, so keeping up with technology is vital. Incredible advances in technology are rewriting the boundaries of what FM's can do. Mr. Wilton will discuss the changing nature of the workplace, why it's important for FM's to take the lead, and how systems such as intelligent infrastructures, sensors and cloud technology transform the way a company works.

Learning Objectives:

1. Understand workplace strategy — what it is and why it's important to take the lead
2. Learn the projected impacts of alternative work on facility management
3. Review change management as a facility management core competency
4. Review space planning in an uncertain environment

AUDIENCE: ADVANCED CEU:0.1



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Operations and Maintenance **W4.MA How Planning, Design and Construction Decisions Affect O&M Activities**

Room: Montego A


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

Participate in a discussion that centers on how the upstream planning, design and construction (PDC) decisions can have significant adverse effects on the O&M team that inherits the finished product and is tasked with making the utility systems work.

Learning Objectives:

1. Review how short term decisions have a long term effect on overall plant reliability, operability, maintainability
2. Review projects where the PDC decisions have had significant adverse effects on the O&M team

AUDIENCE: INTERMEDIATE CEU:0.1

Safety and Security **W4.MB ADA in 3D**

Room: Montego B

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

New Americans with Disabilities Act (ADA) regulations took effect on March 15, 2012. Of those 1,000 new rules, approximately 450 of them will directly affect businesses. In addition, the Department of Justice has increased enforcement of current ADA regulations — forcing businesses across the country to pay large sums of money on litigation and failure to comply could lead to staggering penalties. This session is designed to help navigate and understand the new ADA regulations.

While the majority are aware of the need for ADA compliance, many have found it difficult to weed through the language of the new regulations, to know where to start and what to do in making sure their facilities are compliant. Please join us as we present a 3D approach to ADA.

Learning Objectives:

1. Understand specific barriers that may exist in your facilities based upon the ADA standards
2. Learn the risks of non-compliance with ADA
3. Discover how to address the ADA to reduce risk and compliance cost
4. Develop your ADA barrier removal plan by using experienced ADA architect

AUDIENCE: INTERMEDIATE CEU:0.1

Sustainability

W4.MC Ensuring a Clean, Healthy and Green Indoor Environment

Room: Montego C

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

When most think about going green and sustainability, 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

Sustainability

W4.MD Recycling: How to Increase Diversion Rates

Room: Montego D

Presenter(s): Dave Jarrett, President, CleanRiver Recycling Solutions

Every facility can use techniques similar to the manufacturing value stream map to improve recycling performance. We will demonstrate how the facility manager can identify components of the waste stream, generate metrics to justify and validate the program, guide implementation action steps, and set benchmarks for performance measurement. We will demonstrate how the initial assessment quantifies components of the waste stream, such as paper, plastics, glass, and metals. We will show how to examine current cost structure, including waste hauling/disposal contracts, and analyze whether these costs can be reduced.

Learning Objectives:

1. Learn how to analyze facility waste streams
2. Examine planning for zero waste
3. Be able to calculate recycling ROI
4. Understand how to keep up with a constantly changing market for recyclables

AUDIENCE: INTERMEDIATE CEU:0.1

Energy

W4.ME Smart Grid-Enabling Lighting Technologies for the High Performance Facility

Room: Montego E

Presenter(s): Peter Schwartz, President, Peter Schwartz & Associates, LLC

Is your facility smart grid-enabled? Learn what it takes to prepare your facility for the smart grid era by using dynamic lighting controls to improve lighting system efficiencies by more than 70 percent, reduce operating and maintenance costs, and create potential new revenue streams through demand-response (DR). New lighting technology can produce high performance facilities to better reach zero net energy goals cost-effectively and future-proof buildings in the ever-changing energy markets.

Learning Objectives:

1. Identify characteristics of smart grid-enabling technologies
2. Evaluate cost-effective dynamic lighting controls
3. Understand how best to utilize advanced lighting systems to create new revenue streams
4. Learn how to best employ advanced lighting systems to improve O&M by reducing maintenance costs while increasing occupant productivity and satisfaction

AUDIENCE: INTERMEDIATE CEU:0.1

BACnet International , Technology

W4.SA BACnet Success Stories

Room: St. Thomas A

Presenter(s): Michael Wilson, Business Development Manager, OEMCtrl, Marketing Chair, BACnet International

Review some of the most compelling BACnet Success Stories submitted to date including contenders for this year's "The Best in Show Award." Project reviews will identify the unique challenges and solutions and how BACnet as the key to success. Where available all contributing firms, consultants, integrators, contractors and manufacturers will be identified.

Learning Objectives:

1. Enumerate the criteria used to select "The Best in Show" award for a BACnet success story
2. Review what is and is not a BACnet success story
3. Understand why you should submit your BACnet success story

AUDIENCE: INTERMEDIATE CEU:0.1

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3:10 - 4:00 PMEnergy, Technology **W5.MA Future-Proofing Non-Residential Buildings with Networked Wireless Lighting Controls**

Room: Montego A

Presenter(s): Dallas Buchanan, VP Business Development, Daintree Networks

This presentation will focus on networked wireless lighting controls in non-residential buildings and why these controls offer more future proofing than traditional controls. Dramatic changes are occurring in energy conservation codes, building systems technology, green building practices and energy costs. Lighting is a big part of this change. Attendees will learn about the increased functionality and energy efficiency possibilities with new high-performance lighting controls; especially in conjunction with new dimmable technology such as LEDs. The presentation will also cover trends in energy conservation codes and green building best practices, and how networked wireless lighting controls can help ensure these requirements are met in a cost-effective manner.

Learning Objectives:

1. Understand why open-standards networked wireless controls offer more value and future proofing than other control approaches
2. Learn of savings possible with open-standards networked wireless control - from full featured lighting control to simple power metering and temperature sensing
3. Review applications in key applications such as offices, industrial/warehouse, and multi-site small commercial/retail
4. Understand how open-standards based networked wireless controls can help ensure compliance with energy and sustainability goals

AUDIENCE: INTERMEDIATE CEU:0.1

Operations and Maintenance **W5.MB Load Banks: Generating Success**

Room: Montego B

Presenter(s): Clayton Taylor, CEO and President, ComRent

This presentation will focus on the benefits of using load banks to commission and test back-up generators in mission-critical installations, including data centers, waste water treatment plants and healthcare.

Learning Objectives:

1. Learn how to develop long-term strategies to prevent power outages in your building through commissioning and testing your emergency backup systems
2. Review the increasingly important role of load banks in the design and build phases of a high-performance building
3. Understand why more facilities managers, power engineers and commissioning professionals are turning to load banks to ensure that generators and backup systems are ready to jump into action when they're needed most

AUDIENCE: ADVANCED CEU:0.1

Sustainability, Energy

W5.MC Solar Project Financing for Facilities Managers

Room: Montego C

Presenter(s): Rune Hansen, Director of Structured Finance, SPG Solar, Inc.

There has never been a better time to go solar because of the various financing options available. This session will help facilities managers navigate the solar financing, including using federal and state tax incentives, as well as power purchase agreements (PPAs), to cut the upfront costs of solar. We will also discuss what facilities managers should look for when making a solar purchasing decision, including how to maximize return on investment by maximizing solar production.

Learning Objectives:

1. Discover how to navigate solar financing options including federal and state tax incentives and power purchase agreements
2. Learn what to look for when making a solar purchasing decision
3. Determine how to maximize the return on investment
4. Understand how to lower your capital expenditure on a solar system

AUDIENCE: BEGINNER CEU:0.1

Safety and Security

W5.MD Using Lock Out/Tag Out Notification and Other Methods to Save Money and Prevent Accidents

Room: Montego D

Presenter(s): Justin Franke, Director of Sales, Heritage MedCall

Attend this session to learn how using lock out/tag out notification, confined space emergency and mass notification can save your facility money and prevent

accidents. We will discuss the growing presence of alert and mass notification in facilities, how to lower man hour costs and proper way to document lock out/tag out notification.

Learning Objectives:

1. Learn how to save on insurance rates by using a building duress or emergency call system
2. Understand security applications and the ability to silently notify about emergency situations
3. Be able to perform lock out/tag out safer and with more accurate documentations
4. Review wireless infrastructure and theory as it applies to buildings and facilities

AUDIENCE: INTERMEDIATE CEU:0.1

BACnet International

W5.SA Which Points Should I Use and Why?

Room: St. Thomas A

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

Modern Variable Frequency Drives (VFDs) have 80 or more points (BACnet objects) available for monitoring and control over the BACnet system. Do I need to monitor all 80 points? Which points should I use and why? This session will discuss which points are important for basic energy savings and control strategies and also give examples of more advanced usage of the points available. Finally, recommendations for the end-user and consultant will be presented.

Learning Objectives:

1. Understand what BACnet points are available from VFDs
2. Learn which points are important to monitor and why
3. Be able to avoid negative bandwidth effects and still mine the data

AUDIENCE: INTERMEDIATE CEU:0.1



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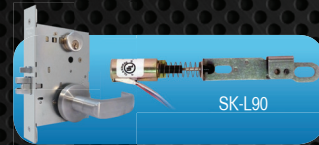


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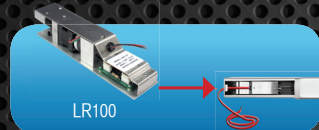
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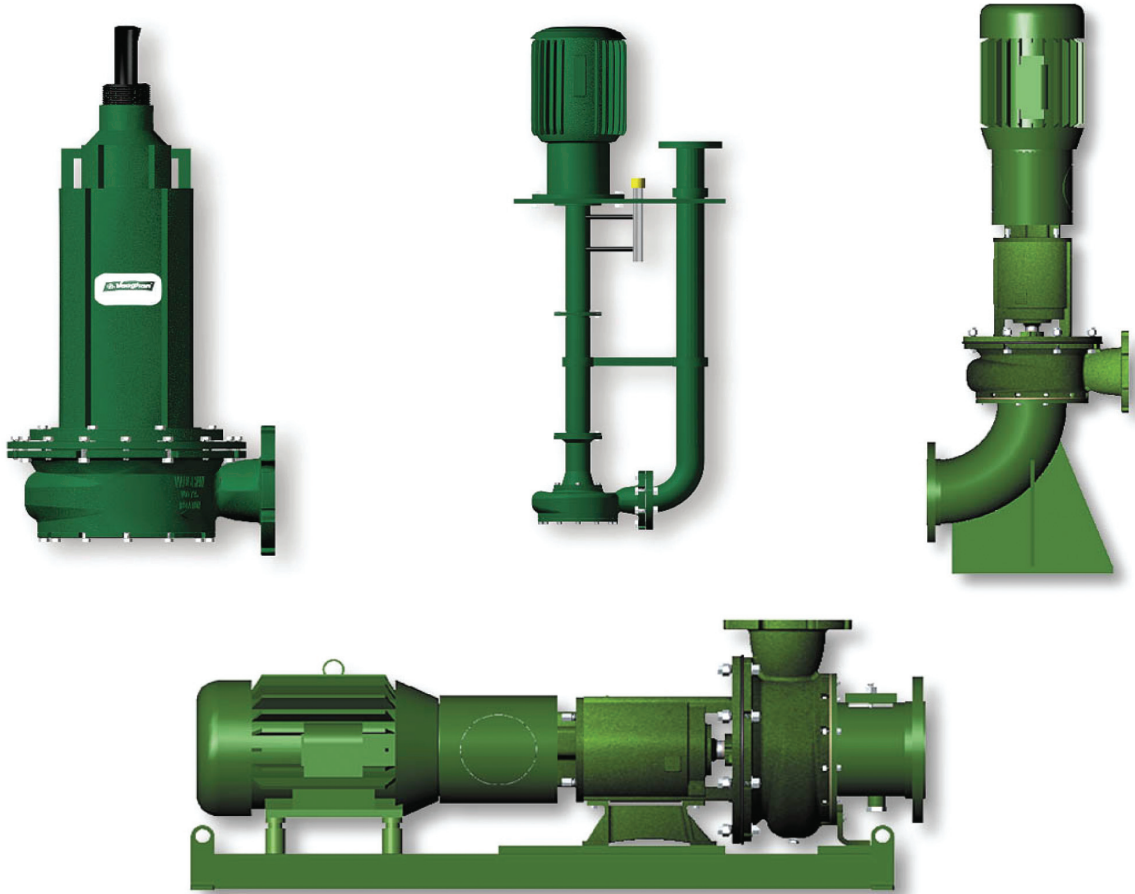
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When to use a Gateway	Steven Jones The S4 Group, Inc.	Tuesday 9:00 AM - 9:50 AM
What BACnet Means To Me	Dominic Eorio Carrier Corporation	Tuesday 10:00 AM - 10:50 AM
BACnet - The Best Choice for Designing and Specifying Building Automation Systems Successfully	Grant Wichenko Appin Associates	Tuesday 11:00 AM - 11:50 AM
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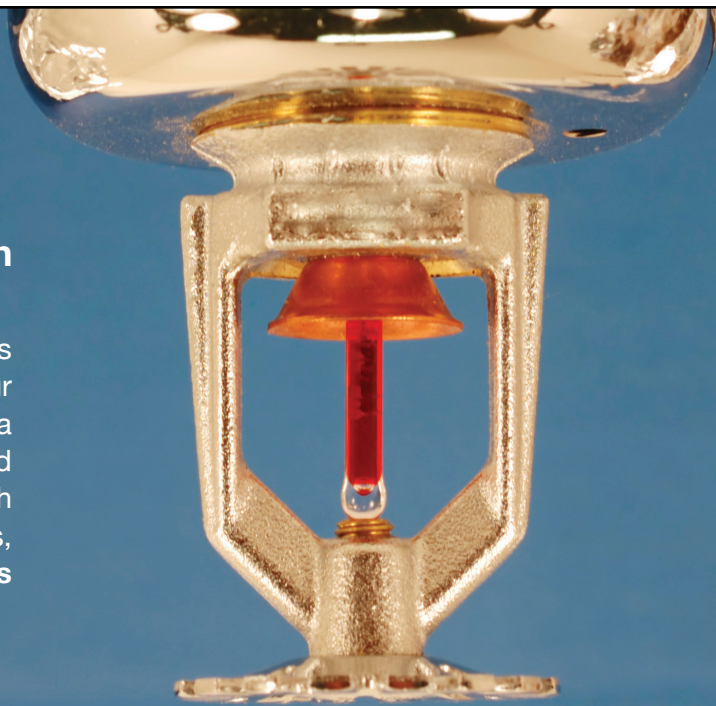
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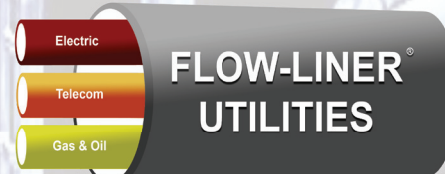
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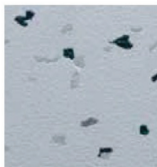
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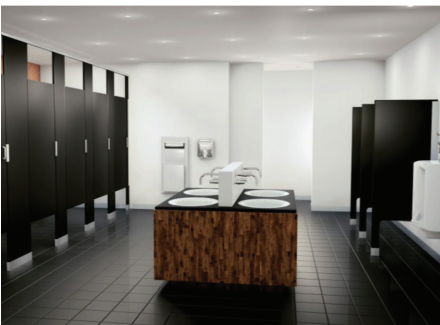
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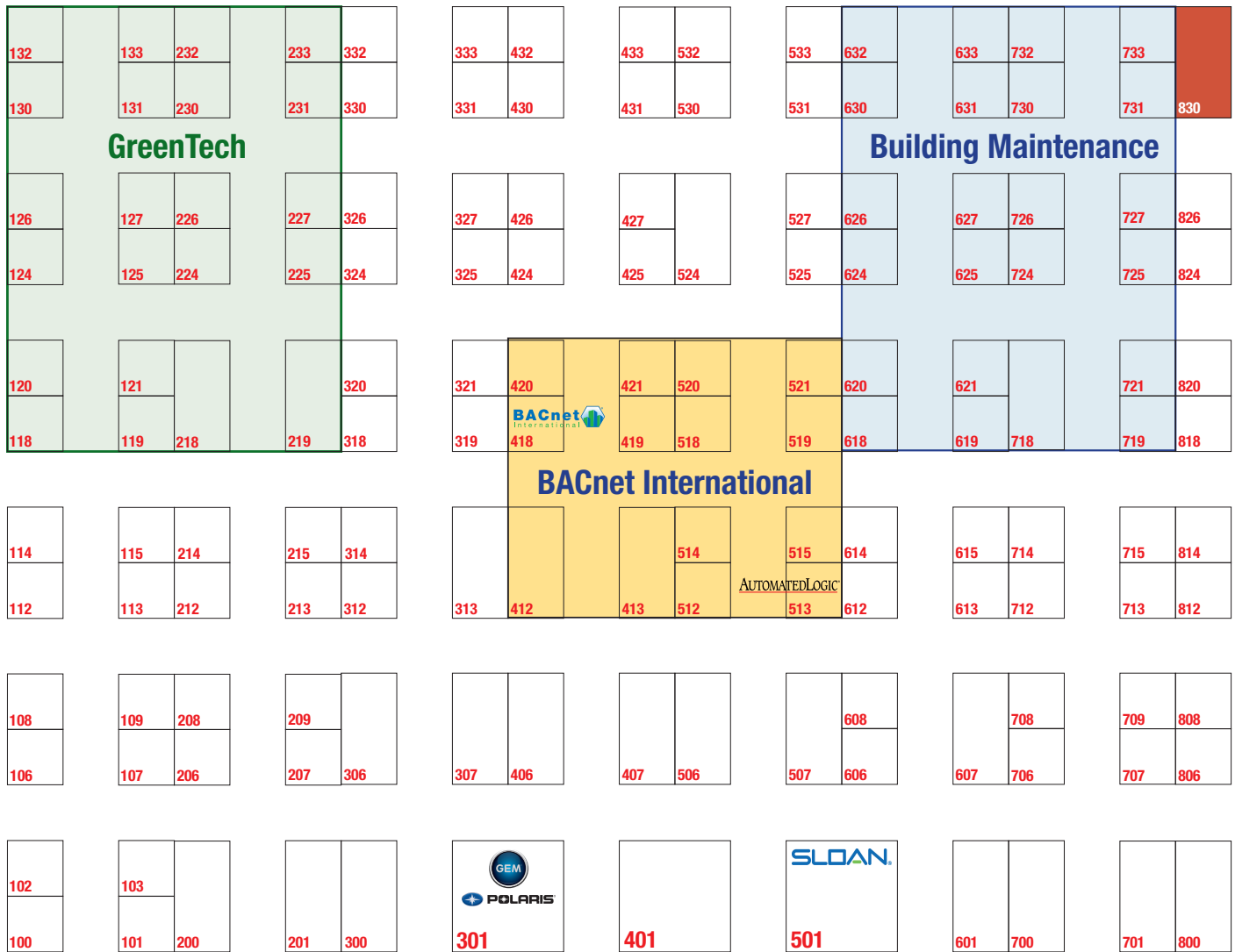
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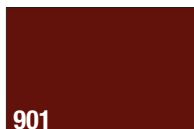
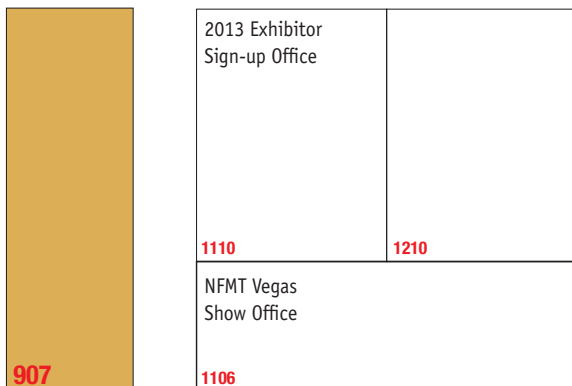
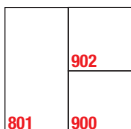
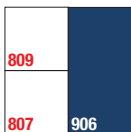
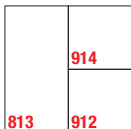
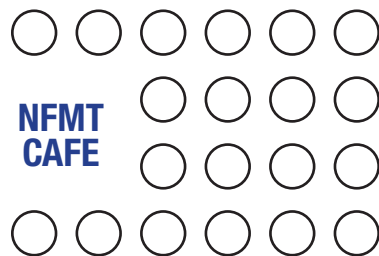
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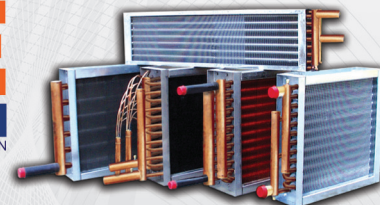


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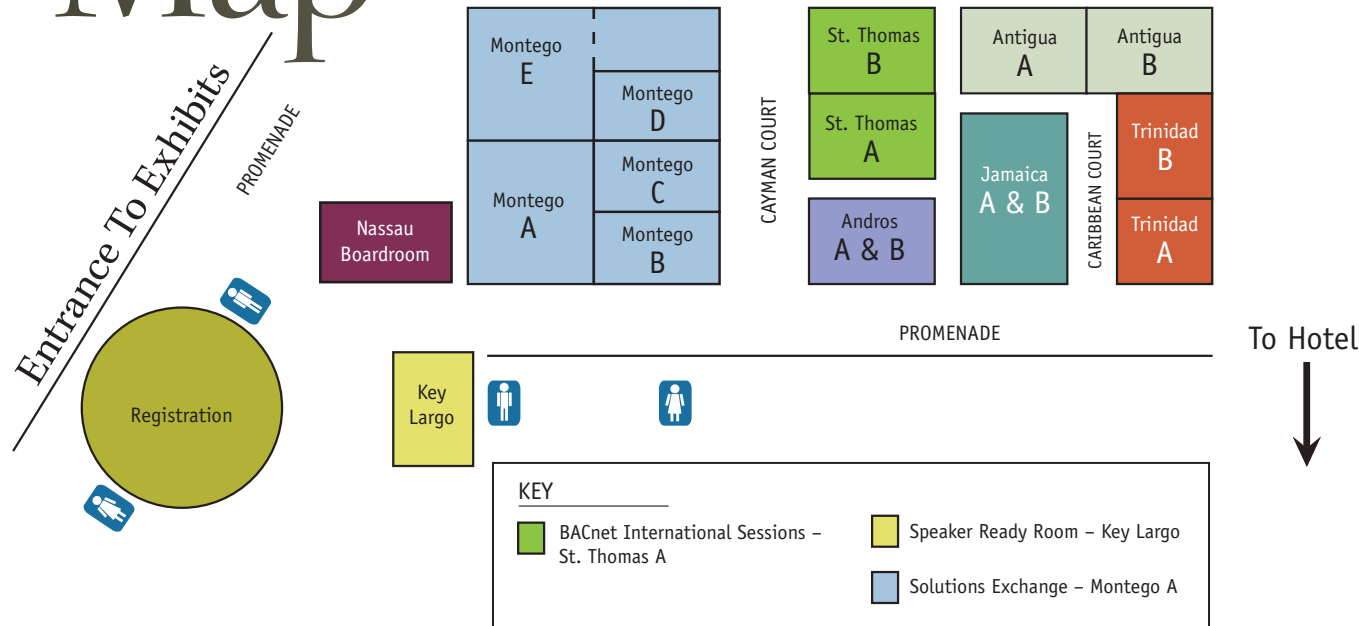
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