

# EVERYTHING YOU NEED

to excel as an **FM professional** – mapped out for you –  
at **NFMT Vegas**: the facilities industry's *only* **FREE** fall show



BUILDING OPERATING MANAGEMENT'S  
**NFMTVEGAS**  
National Facilities Management & Technology

September 17-18, 2013  
Mandalay Bay Convention Center  
[www.nfmt.com/vegas](http://www.nfmt.com/vegas)

# NFMT Vegas:

## Your Destination for Success

**NFMT Vegas** is a free conference and expo that helps facilities professionals like you manage your facilities for maximum efficiency and performance, with lessons for facilities departments of all sizes. Whether you attend as an individual or as part of a group from your company, you will come away with new strategies for improving your personal performance and the performance of your entire facilities department.

### It's Free to Attend, But Delivers Invaluable Benefits

- » **65 FREE** choose-your-own educational sessions for customized training
- » **Free entry to the exhibit hall** - meet with hundreds of suppliers and product experts
- » **Exclusive BACnet International** educational track and product pavilion
- » **Free networking events** with facilities professionals and suppliers
- » **Opportunity** to earn up to 9 hours of **CEUs**
- » **Chance to win \$1,000** cash each day
- » **No hidden fees** or charges

BUILDING OPERATING MANAGEMENT'S  
**NFMTVEGAS**  
National Facilities Management & Technology

September 17-18, 2013  
Mandalay Bay Convention Center

### EVENT SCHEDULE

#### Tuesday, September 17

8AM – NOON  
Conference Sessions

NOON – 3PM  
Expo Hall Open

3PM – 4PM  
Opening Night  
Networking Party

4PM-5PM  
Solutions Exchange  
Networking Event

#### Wednesday, September 18

8AM – 11AM  
Conference Sessions

11AM – 2PM  
Expo Hall Open

2:10 PM – 4PM  
Conference Sessions

Detailed schedule information  
at [www.nfmt.com/vegas](http://www.nfmt.com/vegas)

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**schedule at-a-glance**

As of July 2, 2013. Go to [nfmt.com/vegas](http://nfmt.com/vegas) for the most up-to-date list of sessions and speakers.

**Pre-Conference Workshops**  
**Monday, September 16**

1:00 - 5:00 PM

- PC1 OSHA Essential: Top Three Compliance Requirements\*
- PC2 The New OSHA GHS Standard: Ready for the December Deadline?\*

**Free Educational Sessions**

**Tuesday, September 17**

8:00 - 8:50 AM

- T1.BA Keys for Justifying Staffing Levels to Senior Management
- T1.BC Catching Flies with Honey: Civility in Facilities Management
- T1.JE Facilities Master Plan: Building a Better Business Case
- T1.JF Building Sustainability Through Building Automation
- T1.JG Implementing the Results of an Energy Audit and Retro-commissioning Process

9:00 - 9:50 AM

- T2.BA Creating a Strategic Plan to Achieve World Class Reliability
- T2.BC High Performance as the Goal
- T2.JA Workplace Violence: Managing Today's Threats
- T2.JB Integrated Sustainability is a Value Proposition in Hospitality
- T2.JC Facilities Risk Analysis
- T2.JE Maximizing ROI for your Energy Efficiency Projects: The Future of EPAAct 179D
- T2.JF Automation Armageddon

10:00 - 10:50 AM

- T3.BA CMMS - Leveraging Your CMMS
- T3.BC Workplace Issues
- T3.JA Fire Alarm: What You Need To Know About Inspection, Testing and Maintenance
- T3.JB Prevention of Legionellosis Associated with Building Water Systems
- T3.JC The Art of Understanding Your Building's Personality
- T3.JE 20 Examples of Design/Construction Issues Impacting Indoor Air Quality
- T3.JF The Lighting Controls Evolution
- T3.JG Energy Efficient Lighting: Challenges and Solutions

11:00 - 11:50 AM

- T4.BA Implementing NFPA 70E for Arc Flash Safety
- T4.BC Transformation of the Facility Manager
- T4.JA Top 10 Things You Should Know About the ADA
- T4.JB Hotel Security Best Practices
- T4.JE Distributed Generation Wind Projects
- T4.JF Wireless Direct Digital Control
- T4.JG Deep Energy Savings: How to Build the Case and Find the Money

**Wednesday, September 18**

8:00 - 9:50 AM

- W1.AA Women in Facilities Management Networking Event

8:00 - 8:50 AM

- W1.BA Five Tips for Optimizing a Facility Preventive Maintenance Program
- W1.BC Advice to new FM's : Apply the 11 Core Competencies of Facility Managers
- W1.JE Retrofit Re-roofing with Metal
- W1.JG Energy Efficiency for the Long Haul: How to Put Your Plan Into Action

9:00 - 9:50 AM

- W2.BA What's Your Grade? Calculating Your Maintenance Performance Index
- W2.BC Effective Training for Today's Engineers
- W2.JA We Know Where You Are: Indoor Positioning Systems
- W2.JE Recycling In a Tourist Town
- W2.JF Using BACnet to Obtain Free LEED Credits
- W2.JG LED Lighting & Controls Can Significantly Cut Energy Costs

10:00 - 10:50 AM

- W3.BA The Perfect Storm for Sustainability Codes, Standards and Rating
- W3.BC System Review for Water Conservation
- W3.JA Post Hurricane Sandy Advances in Emergency Power
- W3.JB ADA Updates for Hospitality: Pool Lifts and More
- W3.JC Using Data Warehousing to Unlock the Power of the Facilities Data You Already Have
- W3.JE Green Cleaning: Getting Vendors to Implement Changes to LEED-EBOM V4

- W3.JF How Facility Managers, Specifiers and Equipment Suppliers Can Use BACnet Effectively
- W3.JG Sustainable HVAC Design and Operation: The Myths and the Magic

2:10 - 3:00 PM

- W4.BA How to Develop and Write an Effective Repeatable Maintenance Procedure
- W4.BC De-Stressing Your Workforce with Planning and Scheduling
- W4.JC Identify and Quantify Mission-Critical Factors (How to Perform a Critical Audit)
- W4.JE GHS Is Coming! GHS Is Coming!
- W4.JF VFD Communications: Which Object Should I Monitor and Why?
- W4.JG Ensuring a Clean, Green & Healthy Indoor Environment

3:10 - 4:00 PM

- W5.BA Uptime Elements for High Performance Asset Management
- W5.BC Security in Schools
- W5.JA Codes, Laws and Common Sense: Fire Door Inspections
- W5.JB Reducing Water Use in Hotels
- W5.JC High Performance Building? Not Without Proper Testing, Adjusting and Balancing
- W5.JG Design Considerations for Climate Change




\* Fee applies to pre-conference workshops.  
 NFMT Members: \$99 Non-Members: \$149 if you register by September 9, 2013. On-site: \$249

# 2013 NFMT Vegas Educational Sessions

As of July 2, 2013. Go to [nfmt.com/vegas](http://nfmt.com/vegas) for the most up-to-date list of sessions and speakers.


## Your Destination for FM Success


At **NFMT Vegas**, you have more than **65 FREE EDUCATIONAL SESSIONS** from which to choose. They are divided into eight tracks to make it easy for you to create a customized educational curriculum. You can follow one track for both days, or mix and match. It's up to you.

 **Energy**

 **Hospitality**


 **Leadership**

 **Operations and Maintenance**

 **Safety and Security**

 **Sustainability**

 **Technology**

 **BACnet International**  
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International 

### Pre-Conference Workshops

#### Monday, September 16

1:00-5:00 PM

##### **OSHA Essential: Top Three Compliance Requirements\***

Session Number: PC1

Larry Riley, Authorized OSHA Outreach Trainer, Owner/Instructor, Access Safety Compliance Training, Inc.

Learning Objectives:

1. Identify how to protect your company in an OSHA Audit / Inspection
2. Learn how to train your employees for an OSHA Audit / Inspection
3. Recite what a facility manager can do to update your Hazard Communication program
4. List the training requirements for employees on the new label elements and SDS format
5. Understand OSHA energy control procedures, training, and periodic inspection criteria
6. Be able to identify how to build your LOTO Program and implement training for your employees on using the program

\*This is a paid-workshop. \$99 for NFMT members, \$149 for non-members and \$249 onsite.

Audience: Intermediate

CEU: 0.1

1:00-5:00 PM

##### **The New OSHA GHS Standard: Ready for the December Deadline?\***

Session Number: PC2

Bill Fellows, Green Cleaning Advisor, Bill Fellows Consulting

Learning Objectives:

1. Understand the new GHS Classification and Labeling of Chemicals standard
2. Identify key training deadlines and staff readiness
3. Ensure compliance with the new Safety Data Sheet (SDS) requirements
4. Review how labels must be revised to include the 6 new GHS labeling elements
5. Analyze how standardized pictograms will improve understanding of a chemical's hazards.
6. Determine misunderstood terms on an SDS

\*This is a paid-workshop. \$99 for NFMT members, \$149 for non-members and \$249 onsite.

Audience:

CEU:0.4

### Tuesday, September 17

8:00-8:50 AM

##### **Keys for Justifying Staffing Levels to Senior Management**

Session Number: T1.BA

Michael B. Cowley, CPMM, President, CE Maintenance Solutions

Learning Objectives:

1. Name ways to measure staffing levels
2. Recognize metrics for employees
3. Compare the keys to a strong proposal for senior management

Audience: Intermediate

CEU: 0.1

##### **Catching Flies with Honey: Civility in Facilities Management**

Session Number: T1.BC

Stormy Friday, President, The Friday Group

Learning Objectives:

1. Determine the importance of consequential strangers in FM
2. Specify why civility is a good FM business strategy
3. Assess the degree to which FM organizations are civil internally and to consequential strangers
4. Apply a consequential stranger's power strategy

Audience: Advanced

CEU: 0.1

##### **Facilities Master Plan: Building a Better Business Case**

Session Number: T1.JE

Jim Turner, Program Manager and Senior Real Estate and Facilities Consultant, Markon Solutions

Learning Objectives:

1. Analyze comprehensive facilities data, compare them to relevant facilities benchmarks, and align the portfolio to strategic goals
2. Identify opportunities to minimize financial shortfalls by balancing the three expenditure types: maintenance, deferred capital, and major capital

3. Construct a business case model that can be used to pursue strategic opportunities and justify future facilities funding requests
  4. Create a road map to implement the long-range facilities plan
- Audience: Intermediate  
CEU: 0.1

##### **Building Sustainability through Building Automation**

Session Number: T1.JF

Ben Dorsey, Vice President, Marketing and Communications, KMC Controls

Learning Objectives:

1. Enumerate significant factors leading to building sustainability
2. Justify how building automation can help a facility professional achieve higher energy efficiency
3. State why an open standard BACnet system offers greater sustainability achievement than proprietary control systems

Audience: Intermediate

CEU: 0.1

##### **Implementing the Results of an Energy Audit and Retro-commissioning Process**

Session Number: T1.JG

Michael C. English, PE, CCP, LEED-AP, Senior Partner, Horizon Engineering Associates

Learning Objectives:

1. Observe how energy audits and retro-commissioning can help the facility perform at optimum energy performance
2. Select the key factors to ensuring that implementation goes smoothly and that the effort put into maximizing energy efficiency is maintained
3. Verify what monitoring-based commissioning can provide, in concurrence with and addition to, the implementation of these energy saving measures

Audience: Beginner

CEU: 0.1





**9:00-9:50 AM**

**⚙️ Creating a Strategic Plan to Achieve World Class Reliability**

**Session Number: T2.BA**

Kate Kerrigan, Reliability Engineer, Allied Reliability Learning Objectives:

1. Define what a world class reliability program looks like
  2. Evaluate current state of world class reliability
  3. Define the future state of world class reliability
  4. State keys to developing a plan to close the gap in your reliability plan
- Audience: Beginner  
CEU: 0.1

**👤 High Performance as the Goal**

**Session Number: T2.BC**

Teena Shouse, CFM, IFMA Fellow, Vice President, Facility Engineering Associates

Learning Objectives:

1. Define world class organizations
2. Understand the difference between pure benchmarking and process analysis
3. The importance of preparing your team for change
4. Facility evaluation and the use of improvement tools e.g. Capability Maturity Model (CMM)
5. Explore case study examples of how organizations answered the tough questions leading them to High Performance Organizations (HPO)

Audience: Intermediate  
CEU: 0.1

**🔒 Workplace Violence: Managing Today's Threats**

**Session Number: T2.JA**

Jason Porter, Director of Operations - Southwest Region, Pinkerton C&I

Learning Objectives:

1. Identify workplace violence
2. List emerging trends in workplace violence
3. State key indicators in workplace violence offenders
4. Verify what to do to prevent workplace violence
5. Specify what to do if you have an incident

Audience: Intermediate  
CEU: 0.1

**🌱 Integrated Sustainability is a Value Proposition in Hospitality**

**Session Number: T2.JB**

Charles A. Smith, CEO, Hotel Sustainability Solutions, Inc.

Learning Objectives:

1. Define how integration and collaboration practices significantly impact a sustainability platform
2. Identify how management goals can help shape the sustainable project

3. State the sustainable initiatives implemented at the hotel
  4. Compare the incentives received to help reduce energy and operating costs
- Audience: Intermediate  
CEU: 0.1

**@ Facilities Risk Analysis**

**Session Number: T2.JC**

Paul Head, II, Manager, Ernst & Young Construction Real Estate Advisory Services

Learning Objectives:

1. State how to organize, classify and identify key areas of risk
2. Specify how to score risk within your organization
3. Be able to develop and prioritize a risk mitigation plan
4. Recognize how to establish controls and monitor risk

Audience: Intermediate  
CEU: 0.1

**👤 Maximizing ROI for your Energy Efficiency Projects: The Future of EAct 179D**

**Session Number: T2.JE**

Jacob Goldman, Chief Engineer, Energy Tax Savers, Inc.

Learning Objectives:

1. State the proposed changes to EAct 179D
2. Identify the details in the new 179F provision
3. State strategies to maximize return on investment related to energy efficiency projects
4. Recognize how past projects can still garner tax savings in current and future years

Audience: Beginner  
CEU: 0.1

**@ 🤖 Automation Armageddon**

**Session Number: T2.JF**

Andy McMillan, President, Teletrol and BACnet International

Learning Objectives:

1. List the drivers behind near and long-term market adoption of LED lighting
2. Recognize the emerging controls opportunities arising from LED lighting adoption
3. Identify the disruptive potential of LED lighting when combined with other emerging technologies

Audience: Intermediate  
CEU: 0.1

**10:00-10:50 AM**

**⚙️ CMMS - Leveraging Your CMMS (From Selection to Daily Use)**

**Session Number: T3.BA**

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

Learning Objectives:

1. Identify the proper selection criteria for CMMS

2. Be able to define your CMMS functional requirements
  3. Describe the difference between integration and enterprise systems
  4. List the best practice considerations for CMMS
- Audience: Intermediate  
CEU: 0.1

**👤 Workplace Issues**

**Session Number: T3.BC**

John E. Cruickshank, Attorney, Alaniz Schraeder Linker Farris Mayes, LLP

Learning Objectives:

1. Learn business-critical labor and employment law updates as they relate to the facilities management industry
2. Review new developments with NLRB
3. Identify the emerging Issue of Immigration Reform
4. Gain an overview of vehicle lawsuits and negligent entrustment

Audience: Intermediate  
CEU: 0.1

**🔥 Fire Alarm: What You Need To Know About Inspection, Testing and Maintenance**

**Session Number: T3.JA**

Rick Reynolds, Director of National Accounts, Orr Protection Systems

Learning Objectives:

1. Define the NFPA Standards
2. Clarify the importance of training
3. Comprehend the difference between inspection, testing and maintenance

Audience: Beginner  
CEU: 0.1

**⚙️ Prevention of Legionellosis Associated with Building Water Systems**

**Session Number: T3.JB**

Dr. William F. McCoy, Chief Technology Officer, Phigenics; Brooke Winter, Regional Manager, Phigenics

Learning Objectives:

1. Be able to identify HACCP-Based Water Management
2. Review how Legionella infects individuals
3. Understand Legionella testing accuracy
4. Learn best practices to limit the risk factors of Legionnaires' Disease in your facility

Audience: Intermediate  
CEU: 0.1



# 2013 NFMT Vegas Educational Sessions

## **The Art of Understanding Your Building's Personality**

**Session Number: T3.JC**

Wayne P. Saya, CPE, Executive Director, Association for Facilities Engineering

Learning Objectives:

1. Identify how energy performance is tied from the building automation system to all of the major mechanical components of a building
2. Review the process that interconnects your maintenance procedures with best practices of sustainable buildings
3. State 12 basic principles of facilities maintenance and engineering
4. Understand how to personality profile your facility by tying together the 12 basic principles of facilities maintenance and engineering

Audience: Intermediate

CEU: 0.1

## **20 Examples of Design/Construction Issues Impacting Indoor Air Quality**

**Session Number: T3.JE**

Dale Walsh, President, Walsh Certified Consultants, Inc.

Learning Objectives:

1. Identify 20 building design/construction and use issues that historically and currently can negatively impact IAQ
2. Analyze how these 20 issues may negatively impact IAQ
3. Develop potential means of preventing or mitigating the issues identified
4. Provide insights regarding reasons for these issues continuing to be used

Audience: Intermediate

CEU: 0.1

## **The Lighting Controls Evolution**

**Session Number: T3.JF**

Pete Baselici, Channel Manager, Systems Integration, WattStopper

Learning Objectives:

1. State the role played by lighting controls in an integrated building
2. List how the energy code development has forced lighting control strategies to evolve
3. Observe how and why lighting control equipment has changed over time

Audience: Intermediate

CEU: 0.1

## **Energy Efficient Lighting: Challenges and Solutions**

**Session Number: T3.JG**

Ron Runkles, Lighting Industry Director, National Electrical Manufacturers Association (NEMA)

Learning Objectives:

1. Learn what energy efficient lighting products are used in various applications

2. Learn what challenges energy efficient lighting products are expected to meet in new and existing construction

3. Learn what energy savings may be obtained by the application of energy efficient lighting upgrades

Audience: Intermediate

CEU: 0.1

**11:00-11:50 AM**

## **Implementing NFPA 70E for Arc Flash Safety**

**Session Number: T4.BA**

Jay Smith, Executive Vice President, Lewellyn Technology

Learning Objectives:

1. Learn how NFPA 70E and OSHA work together
2. Conduct an arc flash hazard assessment at your facility
3. Review the proper use of personal protective equipment
4. Understand how arc flash hazard assessment keeps workers safe

Audience: Intermediate

CEU: 0.1

## **Transformation of the Facility Manager**

**Session Number: T4.BC**

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

Learning Objectives:

1. Identify how to deliver higher value with lower costs
2. Be able to discuss with the executives instead of being directed to cut costs
3. Learn how to take a supply-chain approach instead of a silo-based approach
4. Understand how vendors administer their own contracts and think in your best interest

Audience: Intermediate

CEU: 0.1

## **Top 10 Things You Should Know About the ADA**

**Session Number: T4.JA**

M. Bradley Gaskins, AIA, CASp, COO, Partner, The McIntosh Group

Learning Objectives:

1. Learn the risks of not complying with the ADA
2. Recognize specific barriers that may exist in your facilities based upon ADA Standards
3. Discover how to address the ADA to reduce your risk and compliance cost
4. Develop your ADA barrier removal plan by using an experienced ADA architect

Audience: Intermediate

CEU: 0.1

## **Hotel Security Best Practices**

**Session Number: T4.JB**

Jason Porter, Director of Operations - Southwest Region, Pinkerton C&I

Learning Objectives:

1. Review security needs of a hospitality property
2. Understand the important steps to developing a security plan
3. List the pros and cons of both contract and proprietary security programs
4. State premise liability considerations

Audience: Intermediate

CEU: 0.1

## **Distributed Generation Wind Projects**

**Session Number: T4.JE**

Richard Krauze, Consultant

Learning Objectives:

1. Learn about the current state of on-site distributed wind energy projects
2. Understand the project economics
3. Understand the fundamentals of building on-site distributed energy projects
4. Understand the basic criteria for evaluating the feasibility of pursuing wind energy at your facility

Audience: Intermediate

CEU: 0.1

## **Wireless Direct Digital Control**

**Session Number: T4.JF**

Jim Kohl, Senior Product Manager, Trane

Learning Objectives:

1. List how wireless communication can help achieve on-time, on-budget project completion
2. Clarify how problem solving is easier or reduced with wireless
3. Find out how wireless can help achieve life cycle savings
5. Understand how ZigBee Building Automation supports the BACnet standard

Audience: Intermediate

CEU: 0.1

## **Deep Energy Savings: How to Build the Case and Find the Money**

**Session Number: T4.JG**

Roy Torbert, Project Manager, Rocky Mountain Institute

Learning Objectives:

1. Understand how to frame and quantify the value of a deep energy retrofit
2. Be prepared to build a case for a deep energy retrofit in your building
3. Learn of ways to finance energy improvements or major retrofits
4. Hear about how financiers and investors assess the value of a highly efficient building

Audience: Intermediate

CEU: 0.1



## Wednesday, September 18

**8:00-9:50 AM**

### **Women in Facilities Management Networking Event**

**Session Number: W1.AA**

Teena Shouse, CFM, IFMA Fellow, Vice President, Facility Engineering Associates

Learning Objectives:

1. Interact with others about the pros and cons of being a woman in facilities management
2. Discuss best practices and suggestions for career advancement
3. Review the importance of networking and mentoring others
4. Understand how to attract and retain other females in facilities management

Audience: Intermediate

CEU: 0.1

### **Five Tips for Optimizing a Facility Preventive Maintenance Program**

**Session Number: W1.BA**

Ricky Smith, Senior Reliability Advisor, GP Allied

Learning Objectives:

1. List the key elements of an effective Preventive Maintenance (PM) Program
2. Review the known best practices for facilities PM
3. Identify the common threads/pattern for PM problems
4. State the five most critical items required to optimize a facility PM Program

Audience: Intermediate

CEU: 0.1

### **Advice to new FMs : Apply the 11 Core Competencies of Facility Managers**

**Session Number: W1.BC**

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

Learning Objectives:

1. State the 11 core FM competencies
2. Understand the importance of all 11 core FM competencies
3. Review how to apply those core competencies to your job
4. List why these core competencies are so important to the facilities management industry

Audience: Beginner

CEU: 0.1

### **Retrofit Re-roofing with Metal**

**Session Number: W1.JE**

Mark James, President, RetroSpec, LLC, Co-Chairman - Retrofit Council, Metal Construction Association

Learning Objectives:

1. Understand the flexibility of retrofit metal roofing

2. Discover how problematic roof geometry can be corrected with retrofitting your roof

3. Integrating renewable solar technologies in your retrofit roofing

4. Review the sustainability and service life benefits of a metal roof

Audience: Intermediate

CEU: 0.1

### **Energy Efficiency for the Long Haul: How to Put Your Plan Into Action**

**Session Number: W1.JG**

B. Alan Whitson, President, The Corporate Realty, Design & Management Institute

Learning Objectives:

1. Learn how to evaluate sustainable energy strategies for use in a variety of facilities
2. Ensure that your facility's energy plan is as effective and efficient as possible
3. Calculate and communicate key aspects of energy management costs and benefits to senior management

Audience: Intermediate

CEU: 0.1

**9:00-9:50 AM**

### **What's Your Grade? Calculating Your Maintenance Performance Index**

**Session Number: W2.BA**

C. Paul Oberg, President and Chief Executive Officer, EPAC Software Technologies, Inc.

Learning Objectives:

1. Describe the maintenance performance index (MPI)
2. Analyze the relationship between key performance indicators (KPI) and MPI
3. List your MPI components
4. Be able to calculate your MPI

Audience: Beginner

CEU: 0.1

### **Effective Training for Today's Engineers**

**Session Number: W2.BC**

Rodney Riepenhoff, General Chief Engineer, First Service Residential

Learning Objectives:

1. Identify the true benefits of training for today's engineers
2. Review how to use training to improve the level of service offered by both you and your team
3. Understand how standard operating procedures can save time and money across a company
4. Learn where to get training for engineers

Audience: Beginner

CEU: 0.1

### **We Know Where You Are: Indoor Positioning Systems**

**Session Number: W2.JA**

Jim Sinopoli, Managing Principal, Smart Buildings, LLC

Learning Objectives:

1. Describe how indoor positioning systems work
2. Identify the benefits of an indoor positioning system for occupants building owners and tenants
3. Identify the market for IPS including major providers and different technology approaches
4. Understand the contractual and financial relationship an IPS provider may have with a building owner

Audience: Advanced

CEU: 0.1

### **Recycling In a Tourist Town**

**Session Number: W2.JE**

Jeff Dix, Recycling Program, City of Las Vegas

Learning Objectives:

1. Review the need for rightsizing containers
2. Be able to identify proper container locations
3. Create an effective recycling communication strategy
4. Identify the necessary ongoing program maintenance

Audience: Intermediate

CEU: 0.1

### **Using BACnet to Obtain Free LEED Credits**

**Session Number: W2.JF**

Mike Olson, Manager, HVAC Applications, ABB, Inc.

Learning Objectives:

1. Review how VFDs save energy
2. Understand what VFD BACnet Objects should be monitored
3. Learn how to get "free" LEED Credits for measuring and verification using BACnet and VFD on-board information

Audience: Intermediate

CEU: 0.1

### **LED Lighting & Controls Can Significantly Cut Energy Costs**

**Session Number: W2.JG**

Bill Ballweg, Product Development Manager, Lithonia Lighting

Learning Objectives:

1. Learn how LED lighting can achieve higher energy efficient standards and sustainability while creating a better lighting environment
2. Learn how LED luminaires can integrate with digital controls for maximum energy savings and controllability
3. Discover how digital lighting and controls can help a building become net zero energy-ready
4. Explore how LED luminaires reduce lighting maintenance

Audience: Intermediate

CEU: 0.1



# 2013 NFMT Vegas Educational Sessions

10:00-10:50 AM

## The Perfect Storm for Sustainability

Session Number: W3.BA

Thomas Saulsbury III, Principal - Product Marketing, Schneider Electric

Learning Objectives:

1. Discuss the sustainability dilemma — The Perfect Storm
2. Examine the challenges and problem areas in sustainability
3. Recognize how knowledge-based strategies can achieve goals
4. Identify how to measure sustainability success and apply across other areas of energy management

Audience: Advanced

CEU: 0.1

## Codes, Standards and Rating System Review for Water Conservation

Session Number: W3.BC

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

Learning Objectives:

1. Understand plumbing code changes on the local, state and federal level
2. Review ASHRAE Standards for high-performance green buildings
3. Learn about the new water conservation requirements in LEED-EB V4
4. Comprehend the next generation of plumbing and water conservation requirements

Audience: Intermediate

CEU: 0.1

## Post Hurricane Sandy Advances in Emergency Power

Session Number: W3.JA

Arnold Kravitz, Vice President Commercial Products, Technology Research Corporation

Learning Objectives:

1. Review and overview of micro grid (off grid) power generation and distribution system architectural overview
2. Learn about multi-technology power generation device and grid harmonization / synchronization
3. State new advances in efficient self-aware micro grid inverter design
4. List the new reduced effort installation concepts

Audience: Intermediate

CEU: 0.1

## ADA Updates for Hospitality: Pool Lifts and More

Session Number: W3.JB

Joan W. Stein, President & CEO, Accessibility Development Associates, Inc.

Learning Objectives:

1. Understand the new updates to the 2010 ADA standard, specific to the hospitality industry

2. Be able to identify the new areas covered: including swimming pools, fitness rooms, golf courses, changes in the number of accessible guest rooms required, and significant changes in reservation policies and websites

3. Review lawsuits against hotels and how you can avoid costly litigation

4. Identify a common sense approach to remove barriers and welcome guests and customers

Audience: Intermediate

CEU: 0.1

## @ Using Data Warehousing to Unlock the Power of the Facilities Data You Already Have

Session Number: W3.JC

Stephen Sakach, CFM, CPE, Chief of Facilities Operations, International Monetary Fund

Learning Objectives:

1. State what data warehousing is and how it can be used in a scalable way to almost any budget
2. Identify the data that you already have
3. List how to capture the data that can drive your decision-making process
4. Execute "fast failure" pilot studies using your data warehouse

Audience: Intermediate

CEU: 0.1

## Green Cleaning: Getting Vendors to Implement Changes to LEED-EBOM V4

Session Number: W3.JE

Stephen P. Ashkin, President, The Ashkin Group, LLC

Learning Objectives:

1. Learn the changes in LEED-EBOM V4 and how they specifically affect cleaning requirements
2. Learn specific, easy-to-use recommendations to have cleaning service providers implement the changes
3. Learn cost effective strategies to separate out specific cleaning suppliers to meet LEED requirements and reduce overall costs
4. Learn how to communicate the improvements to occupants, tenants and other important stakeholders

Audience: Beginner

CEU: 0.1

## How Facility Managers, Specifiers and Equipment Suppliers can use BACnet Effectively

Session Number: W3.JF

Grant Wichenko, P.E., President, Appin Associates

Learning Objectives:

1. Review co-opetition
2. Be able to make the transition from proprietary controls to networked controls using BACnet
3. Determine who does what in the networked controls design model

Audience: Intermediate

CEU: 0.1

## Sustainable HVAC Design and Operation: The Myths and the Magic

Session Number: W3.JG

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

Learning Objectives:

1. Understand the real world performance of many sustainable design concepts
2. Learn some of the common misconceptions and incorrect assumptions in the application of sustainable design concepts
3. Review actual operating data from multiple system types including VAV, fan coils, water-source heat pumps, packaged equipment, and a wide range of central plant designs
4. Develop a methodology for evaluating alternative system designs and sustainable concepts

Audience: Beginner

CEU: 0.1

2:10 PM-3:00 PM

## How to Develop and Write an Effective Repeatable Maintenance Procedure

Session Number: W4.BA

Martin Tauber, Maintenance, Barber Foods, Production Trainer, AdvancePierre

Learning Objectives:

1. Review how to research and develop a maintenance procedure
2. Understand the importance of all procedures being performed in the same manner without varying results
3. Be able to develop and write an effective and repeatable maintenance procedure

Audience: Intermediate

CEU: 0.1

## @ De-Stressing Your Workforce with Planning and Scheduling

Session Number: W4.BC

Jamshed Rivetna, President, Ensoft Consulting, Inc.

Learning Objectives:

1. Explain the benefits of proper work management for facility managers
2. Explain that work planning and scheduling is for everyone - not just sophisticated organizations
3. Describe and explain the core concepts of work planning and scheduling
4. Provide tips and guidance on how to begin implementing planning and scheduling within an organization

Audience: Intermediate

CEU: 0.1



### @ Identify and Quantify Mission-Critical Factors (How to Perform a Critical Audit)

Session Number: W4.JC

Neil Maldeis, Energy Engineering Manager, Trane Commercial Systems

Learning Objectives:

1. How to identify and quantify mission-critical factors
2. List benefits of a critical system audit
3. Justify how to begin the journey to create a high performance building with a critical system audit
4. State tips to optimize your critical system audit

Audience: Intermediate

CEU: 0.1

### 📄 GHS Is Coming! GHS Is Coming!

Session Number: W4.JE

Bill Fellows, Green Cleaning Advisor, Bill Fellows Consulting

Learning Objectives:

1. Understand the Global Harmonized System (GHS) and planned implementation timeline
2. Understand many terms used on an MSDS/SDS that are commonly misunderstood
3. Understand how to conduct training sessions that will hold the interest of the students and increase appreciation of the wealth of information on an MSDS/SDS
4. Understand how to use the information on the MSDS/SDS for storage of chemicals and how to set up an MSDS/SDS book for maximum benefit

Audience: Intermediate

CEU: 0.1

### 📡 VFD Communications: Which Objects Should I Monitor and Why?

Session Number: W4.JF

Mike Olson, Manager, HVAC Applications ABB, Inc.

Learning Objectives:

1. Identify what information is available from VFDs over BACnet
2. State the minimum recommended information to be monitored via the BACnet interface
3. Learn about advanced energy savings strategies available from the BACnet data

Audience: Intermediate

CEU: 0.1

### ♻️ Ensuring a Clean, Green & Healthy Indoor Environment

Session Number: W4.JG

Dan Wagner, Director of Facility Service Programs, ISSA

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: Intermediate

CEU: 0.1

### 3:10-4:00 PM

#### ⚙️ Uptime Elements for High Performance Asset Management

Session Number: W5.BA

Terrence O'Hanlon, Publisher, Reliabilityweb.com  
Jeff Smith, Association for Maintenance Professionals

Learning Objectives:

1. Learn a holistic approach to asset reliability and performance
2. Learn how leadership affects reliability
3. Discover how to aim asset condition management
4. Learn why Reliability Engineering for Maintenance is a foundational element

Audience: Beginner

CEU: 0.1

#### 🏫 Security in Schools

Session Number: W5.BC

Dr. Rich Bauscher, Superintendent of Schools, Middleton School District

Learning Objectives:

1. Understand how to plan the best security features in a school
2. Review a new high school's security features
3. Be able to identify the cost of the security features

Audience: Intermediate

CEU: 0.1

#### 📄 Codes, Laws and Common Sense: Fire Door Inspections

Session Number: W5.JA

Bob Cullum, AHC, FDAI, President, ASSA ABLOY; John Hunepohl, Director of Education, ASSA ABLOY

Learning Objectives:

1. Review the 13 points of fire door inspection and performance
2. Be able to address the 11-point inspections of egress doors

Audience: Intermediate

CEU: 0.1

#### 🚰 Reducing Water Use in Hotels

Session Number: W5.JB

Bill Hoffman, Senior Technical Advisor, Water Management, Inc.

Learning Objectives:

1. Be able to identify water use benchmarks for hotels
2. Review the current rising cost of water bills
3. Understand the conservation measures you can implement

4. Learn about the national codes, standards and rating systems that will impact hotel operations

Audience: Intermediate

CEU: 0.1

### @ High Performance Building? Not Without Proper Testing, Adjusting and Balancing

Session Number: W5.JC

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

Learning Objectives:

1. Define what TAB is, how often it should be performed and by whom
2. Identify the relationship between your operating budget and TAB
3. State the difference between proportional and sequential balancing
4. Specify TAB using Masterformat

Audience: Intermediate

CEU: 0.1

### 🏡 Design Considerations for Climate Change

Session Number: W5.JG

Paul Totten, PE, LEED AP, Senior Principal, Halsall, A Parsons Brinckerhoff Company

Learning Objectives:

1. Be able to better assess short term and long term building enclosure performance objectives related to climate change
2. Examine the impact on design decisions for fenestration and roofing and waterproofing
3. Better coordinate HVAC system layout and the enclosure design on new construction and impacts on existing infrastructure
4. Understand various strategies to future proof buildings and innovative design systems such as reactive exterior screens and solar chimneys

Audience: Intermediate

CEU: 0.1





# BUILDING OPERATING MANAGEMENT'S NFMT VEGAS

Your Destination for FM Success

## Make the Most of NFMT Vegas and Attend:

### BACnet International's Leaders of the Pack Awards

Tuesday, September 17  
2:45pm (preceding Grand Prize Drawing)  
Exhibit Hall, Main Stage  
BACnet International will hold its annual awards ceremony to recognize the achievements of individuals and companies involved in the BACnet community. The awards allow BACnet International members to recognize and celebrate the hard work, commitment, and accomplishments of their peers. The winners will be announced at the Award Ceremony during NFMT Vegas.

### Solutions Exchange

Tuesday, September 17  
4pm-5pm  
Solutions Exchange is a round-robin interactive session that engages you through discussions on the critical topics in facilities management. Take a seat among your peers and join in an exchange of ideas, facilitated by some of the top suppliers and experts serving the facilities industry. After 20 minutes, the roundtable disperses so that the next batch of table discussions can begin. You will have the opportunity to participate in up to three table discussions.

### Opening Night Networking Party

Tuesday, September 17, in the Exhibit Hall  
3pm to 4pm  
Celebrate opening day of NFMT Vegas. Mingle and network while you enjoy appetizers and cocktails.



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### VIP Pin Program – New and Improved!

As an NFMT Vegas attendee you are a VIP – and when you check in you'll receive a VIP pin to prove it. Wear your pin and engage with any of the phenomenal exhibitors in the hall and you could win cash on the spot. The undercover Vegas Prize Team will select winners at random. It's very simple: Wear your pin and interact with exhibitors for a chance to win \$50 cash (given out 3 times per hour) on September 17 and \$100 cash (given out 5 times per hour) on September 18.

### \$1,000 Grand Prize Drawing

Each day at NFMT Vegas a \$1,000 cash prize will be awarded. Drawings take place in the Exhibit Hall at the Main Stage. You must be present to win.  
Tuesday, September 17 – 2:45pm  
Wednesday, September 18 – 1:45pm

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### Facility Maintenance Decisions

**Achievement Awards** (formerly *Maintenance Solutions Achievement Awards*)

Wednesday, September 18, 1:30pm  
Main Stage, Exhibit Hall  
Celebrate the accomplishments of Facility Maintenance Decisions Achievement Award winners. Hosted by Dave Lubach, Associate Editor of *Facility Maintenance Decisions*, you will learn about the eight winning projects, and some winners will be on hand to accept their awards. You are welcome to review the winning projects' details before the celebratory presentation at NFMT Vegas. Feel free to steal some award-winning ideas and best practices

## Maintain Your Certification



Trade Press Media Group (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.  
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 CEUs:

- \* 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.

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### Transcript

You will receive a transcript for the CEUs earned after you successfully complete the assessment. This transcript can be used to self-report to any organization necessary, it is up to the organization to accept or not.

## Travel Details

### HOTEL

Official Lodging Partners: Mandalay Bay Resort and Casino & Luxor Las Vegas. Special rates for NFMT Vegas attendees start at \$159 (Mandalay Bay) and \$69 (Luxor). For more information on the hotels visit [www.nfmt.com/vegas](http://www.nfmt.com/vegas). To book a room at either location, call 877-632-9001 or 702-632-9000 and reference the discount code: SNFMT3.

### AIR

The following airlines offer discount airfare for NFMT Vegas:

#### American Airlines

Reserve online at [www.aa.com](http://www.aa.com) and enter 4593BC in the promotion code field; or call 1-800-433-1790 (\$20 fee for phone reservations). Discounted rates valid for travel September 14-21, 2013.

#### United Airlines

Reserve online at [www.united.com](http://www.united.com) and enter ZNJT326914 in the offer code box; or call 800-426-1122 (\$25 fee for phone reservations). This fee is subject to change without notice

### CAR RENTALS

Think **AVIS** for your car rental needs during your stay in Las Vegas. For rates and to make reservations, please call 800-331-1600. Mention code 0105532. Use the same code if you book your car online at [www.avis.com](http://www.avis.com).

### TRAIN

Amtrak offers a 10% discount off the best available rail fare to Las Vegas between September 14 and 21, 2013. Discount fares cannot be booked online. To book your reservation call Amtrak at 1 (800) 872-7245 or contact your local travel agent, and reference code: X20P-971.

This offer is not valid on the Auto Train and Acela Service. Fare is valid on Amtrak Regional for all departures seven days a week, except for holiday blackouts. Offer valid with Sleepers, Business Class or First Class seats with payment of the full applicable accommodation charges. The Convention Fare Discount is only for attendees going to the convention.



# 2013 NFMT Vegas Exhibitors

As of July 2, 2013. Go to [www.nfmt.com/vegas](http://www.nfmt.com/vegas) for the most up-to-date list of exhibitors.

- |   |  |
|---|--|
| 2-D As-Built Floor Plans                        | Functional Devices Inc.                              |
| ABB Inc.  | GP Allied  |
| Aceto Corp.                                     | Harris Lighting                                      |
| Acuity Brands                                   | Hays Fluid Controls                                  |
| AGF Manufacturing Inc.                          | ICB/TABB   |
| AirPac Inc.                                     | IDEAL Industries Inc.                                |
| American Auto-Matrix                            | Ideal Services                                       |
| American School and Hospital Facility Magazine  | Infor  |
| American Trainco Inc.                           | ISES Corporation                                     |
| API National Service Group                      | JLG Industries Inc.                                  |
| Ascension                                       | Ketchum Manufacturing Inc.                           |
| ASCO Power Technologies                         | KEYper Systems                                       |
| Avian Flyaway Inc./Bird Relocation              | Kidde Fire Systems                                   |
| Axlen Lighting Inc.                             | KMC Controls Inc.                                    |
| BACnet International                            | Lewellyn Technology                                  |
| Baltimore Aircoil Co.                           | Lowe's Companies Inc.                                |
| Benjamin Electric Co.                           | LSS Life Safety Services                             |
| Blue Book Network                               | Maintenance Connection                               |
| Blue Ridge Technologies                         | Marks USA  |
| CableOrganizer.com                              | Mechanical Ingenuity Corp.                           |
| Calico Building Services                        | MHT Lighting   |
| Carrier Rental Systems                          | MicroMain Corp                                       |
| CE Maintenance Solutions LLC                    | National Electrical Manufacturers Association (NEMA) |
| Classic Tents                                   | National Fenestration Rating Council (NFRC)          |
| CleanRiver Recycling Solutions                  | National Roofing Partners                            |
| CleanTelligent Software Inc.                    | National Vending                                     |
| COIT Cleaning & Restoration Services            | NTT Workforce Development Institute                  |
| Columbia ParCar Corp.                           | Orr Protection Systems Inc.                          |
| Connectrac                                      | Phigenics LLC  |
| Construction Specialties Inc.                   | Polaris Industries                                   |
| Cooper Lighting                                 | Power-Sonic  |
| Cooper-Atkins Corp.                             | PPG Architectural Coatings                           |
| Copesan - Specialists In Pest Solutions         | Precision Concrete Cutting                           |
| DC Group  | Preferred Safety Products Inc.                       |
| Dranetz   | PS Doors   |
| Dyson B2B Inc.                                  | RE Whittaker Co.                                     |
| Ecoglo/AccessProducts                           | RIDGID   |
| Energy Automation Systems Inc. (EASI)           | Ruselectric Inc.                                     |
| Ensoft Consulting Inc.                          | Rust-Oleum   |
| EPAC Software Technologies Inc.                 | Salisbury by Honeywell                               |
| ESC Services Inc.                               | SaniGLAZE International LLC                          |
| Eurest Services                                 | Schindler Elevator Corp.                             |
| ExakTime Innovations Inc.                       | Scranton Products                                    |
| FabricAir Inc.                                  | Sealoflex Inc.                                       |
| Facility Engineering Associates (FEA)           | SELECT Hinges/SELECT Products Ltd.                   |
| Ferguson Facilities Maintenance Supply          | Sensity  |
| FiberTite Roofing Systems by Seaman Corporation | Signmojo.com   |
| Flow-Liner Systems Ltd.                         | SKF Maintenance Products                             |
| Frontline Power Solutions                       | SOMAX Inc.   |
| Fulham Co. Inc.                                 | SOPREMA  |
|   | Square Scrub   |
|   | Sunbelt Rentals                                      |

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|--|----------------------------|
| Superior Manufacturing                 | Ultra-Chem Inc.            |
| SureSeal Manufacturing                 | Vaughan Company Inc.       |
| Test Products International Inc. (TPI) | Versico                    |
| TMA Systems LLC                        | Viconics Technologies Inc. |
| TownSteel Inc.                         | Vortex Doors               |
| Trane                                  | WaterSignal                |
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