

CONGRESS PROGRAM

PROGRESSIVE ENERGY, ENVIRONMENT & SUSTAINABILITY CONGRESS



Success stories
Case Studies
Panel Discussions

Executive attendance
promotes learning in an
intimate setting



Next-generation
environmental initiatives
being implemented in
today's energy conscious
operations



Featuring multiple streams

Energy Management

Environmental Management

Sustainability Management



August 25th – 27th, 2010, Westin Chicago North Shore, Chicago, Illinois

Welcome

[Progressive Energy, Environment & Sustainability Congress, August 25th – 27th, 2010, Chicago, Illinois]



Welcome to the Progressive Energy, Environment and Sustainability Congress

FMA is pleased to welcome all participants to the Progressive Energy, Environment and Sustainability in Chicago, Illinois. Today, more than ever, issues of environmental sustainability find themselves at the forefront of global concern, making our three-day program essential for businesses wishing to remain competitive through adopting responsible practices.

In a world where natural resources continue to dwindle while global consumption remains on the rise, no one is immune to the changes in policy that these trends necessitate. For this reason, our mandate at FMA remains to promote the most up-to-date green technologies and programs that are both conceived and made available by today's industry leaders.

We believe that cultivating relationships is the key to making progress a reality. Our events focus on connecting hundreds of corporate decision-makers with the top solution providers, in an environment that opens the doors for discussion, initiative and unique business opportunities, lasting far into the future.

We seek to provide all attendees the most effective experience possible, and encourage members to benefit from our dedicated team of FMA agents. Our staff is on call for the duration of the Congress, offering personalized assistance designed to facilitate your participation, as well as the scheduling of private meetings.

The latest Congress concentrates on successful strategies aimed at reducing facilities' operational costs, providing a great return on investment, and minimizing any negative effects on the environment. The evolution of FMA Congresses is influenced by the feedback of participants, both past and present, and has led us to include Sustainability initiatives.

We are confident that our program will provide many of the answers that will help you exact positive change within your organization. As always, we value your input, and should you have any questions or suggestions, please do not hesitate to let us know.

- The FMA Team

Wednesday August 25th Lunch  **The Right Choice™**

Cocktail **TOSHIBA**
Leading Innovation >>>

Dinner  **SOLATUBE.**
Innovation in Daylighting.

Thursday August 26th Lunch **SMARTD**

Cocktail 
WASTE MANAGEMENT

Dinner 



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U.S. Environmental Protection Agency Green Suppliers Network

The Environmental Protection Agency's Office of Pollution Prevention and Toxics (OPPT) was formed in 1977 with the primary responsibility for administering the Toxic Substances Control Act. With enactment in 1990 of the Pollution Prevention Act, the office's responsibilities expanded. This law established pollution prevention as the national policy for controlling industrial pollution at its source – in other words, to keep pollutants from getting to the environment. EPA works to reduce pollution before it occurs by supporting innovative changes in the production and use of raw materials. The office has developed two roles: One is to serve as a gatekeeper/guardian, using its regulatory authorities granted by Congress to keep potentially risky new chemicals out of the market while assessing and managing the potential risks of existing chemicals. The other – which is newer and expanding – is to promote environmental stewardship and sustainability. OPPT does this through collaborative programs with stakeholders and educational initiatives.



Tom Murray

Senior Scientist, Pollution Prevention Program

Tom Murray is a senior scientist with the United States Environmental Protection Agency and is currently chief of the Prevention Analysis Branch in the Agency's Pollution Prevention Division. Tom has over 39 years in government service. Tom and his staff are the architects of several environmental partnership programs including the Hospitals for a Healthy Environment program, the Green Suppliers Network and the new E3 program, a cross-agency collaboration with industry focused on manufacturing growth, energy efficiency and environmental performance. Tom holds a Bachelor's Degree in Biology from Mount Saint Mary's University and a Masters Degree in Biology from the American University, Washington, D.C.



**GREEN SUPPLIERS
NETWORK**

Cornerstone Regional Development Partnership

The Cornerstone Regional Development Partnership is comprised of 200 top private sector investor corporate entities in the Jacksonville area – in partnership with the Jacksonville Regional Chamber of Commerce, the JEDC, JEA, the regional county partners - Baker, Clay, Duval, Flagler, Nassau, Putnam and St. Johns, WorkSource, JAXPORT, the Jacksonville Aviation Authority, the Jacksonville Transportation Authority and others. Cornerstone facilitates the creation and retention of quality jobs and significant capital investment resulting in a higher standard of living and a better quality of life on Florida's First Coast.

Jerry Mallot

*President, Cornerstone and Executive Vice President
Jacksonville Regional Chamber of Commerce*

Jerry M. Mallot is Executive Vice President of the Jacksonville Regional Chamber of Commerce and President of Cornerstone Regional Development partnership. Mallot directs a staff of 12 in the areas of Business Development, International, Workforce and Research. He led the formation of a seven-county economic development program to expand high wage jobs in northeast Florida.



Lead Partner

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LET'S CREATE SOLUTIONS THAT ADD UP TO ZERO WASTE.



WORKING TOGETHER, WE CAN ELIMINATE WASTE FROM YOUR OPERATIONS – CREATING MORE VALUE IN THE PROCESS. Waste Management's zero-waste initiatives deliver bottom-line benefits to organizations seeking to lighten their environmental footprint. Our Sustainability Services professionals can help you define and execute customized solutions to meet the needs of an individual facility or an enterprise-wide network. These solutions will lower production costs, boost profitability, and move you closer to your sustainability goals.

For more information or to arrange a visit, please contact Harry Lamberton, VP, Waste Management at hlamberton1@wm.com.



To view case studies of our customer successes, please visit wmgreensquad.com.

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THINK GREEN®

Waste Management, Inc.

Waste Management, Inc. is the leading provider of comprehensive waste management solutions in North America. With a focus on environmental performance, the Company offers integrated sustainability solutions, from optimizing plant operations to providing end of product life solutions. These programs ensure the efficient use of all resources, while achieving natural resource savings. The Company's customers include residential, commercial, industrial, and municipal clients across North America.

Zero-Waste: An Idea Whose Time Has Come – Case Study

The notion of a zero-waste operation isn't merely a noble aspiration. It's an achievable goal, as companies in a wide range of industries are proving. But success means more than recycling or right-sizing. It means looking at your waste streams from top to bottom and inside out. Ultimately, it may mean eliminating excess packaging, redesigning processes, and working more closely with suppliers and customers. What's at stake? Everything – perhaps even your company's viability.

Harry Lamberton

Vice President of Manufacturing and Industrial Segment

Harry Lamberton has twenty years of experience in the environmental field with fourteen of these in the sustainability arena. Harry's professional focus has been on creating solutions for industrial companies that allow them to achieve their environmental and sustainability goals while minimizing total cost.

Harry has a BA from the University of New Hampshire, an MBA from the Goizueta School of Business at Emory University and is a Certified Hazardous Materials Manager (CHMM). Born and raised in Washington, DC, he currently resides in Houston, TX where he lives with his wife and three sons.

Getting to Zero – and what it's like when you arrive. – Workshop

Do you have a zero-waste action plan? Join us in this workshop and discover how taking a minimalist approach to waste can increase your company's profitability, leverage your brand, and improve your competitiveness in the marketplace. The results can be dramatic. So far, Waste Management's customers have realized savings of more than \$60 million. Come find out how to set your company on the path to zero-waste by driving efficiency and profitably.

Jim Hall

Managing Director, Green Squad Consulting

Mr. Hall has over 15 years of experience in the environmental services industry primarily focused on designing and developing the strategy and programs to enhance customer experiences and improve business value. Jim is a recent graduate of the Presidio Graduate School of Management Executive Sustainability program where he learned to build sustainable organizations from an executive level. He has successfully developed and implemented large-scale programs for Fortune 500 organizations.





A 'NOW SOLUTION' FOR ENERGY EFFICIENCY AND SMART GRID TECHNOLOGY

The KVAR Energy Controller (KEC) is a cost effective power factor optimization device that reduces electric consumption and spans through the **residential**, **commercial** and **industrial** markets. The KEC immediately reduces energy consumption, electric bills, line losses, and carbon footprints.

Please **contact us for more information and a Free Energy Analysis.**



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NASA
Tested

KVAR Energy Savings, Inc.

A fast growth energy efficiency sector corporation, based in Daytona Beach Florida, is making a significant impact by producing certified energy controller products that reduce carbon footprint, energy consumption and electric demand on utilities and the power grid.

The KVAR Energy Controller (KEC) - A 'Now Solution' for Energy Efficiency and Smart Grid. Charmer Sunbelt Group – Case Study

Although global warming has been a long-standing universal issue, only within the past decade has it become a widespread concern for governments and the marketplace. These days, the focus is to be cleaner and greener, sustainable and responsible, and energy wise. As electric utilities, power councils and utility commissions are researching and funding technologies and methods to reduce demand and conserve energy, utility customers have to decipher where their energy efficiency dollars should be spent. One of these technologies is the KVAR Energy Controller (KEC). It truly represents a potent electric distribution system improvement, which needs to be considered first among energy efficiency and conservation measures that have the ability to better the electric grid and save energy for utility customers. The key to obtaining the best possible economic advantage from electric power is to get rid of wasted power by ensuring a high Power Factor (PF) throughout the Smart Grid.

The Charmer Sunbelt Group Case Study will be presented to show how the KECs performed on air conditioning, heating, refrigeration and conveyor loads. You'll quickly realize this Case Study is quite the success story.

Paul Dionne

President - KVAR Sales Channels Management Group

Mr. Dionne has held numerous senior appointments in the high technology sector and is well recognized in the energy efficiency and conservation sector. He brings proven leadership, relationship management and communications capabilities in offering direction for business development, marketing and organizational sales growth.

Reducing Energy Consumption: What can you do? How does Power Factor work into the solution? – Workshop

America has a great thirst for energy. We need energy to maintain lifestyles that we have become accustomed to. There are ways to reduce consumption by minimizing and optimizing usage and by using different technologies. These will be discussed from a technical and operational perspective. What is Power Factor? How can it impact your electrical system and energy usage? There are many different technologies competing for a place amongst those systems that need to be considered, so you may meet your energy goals; and several will be discussed. Having useful information about what to consider when looking at energy conservation is important to establish baseline reviews to determine what is most beneficial to you.

David Wise

Vice-President Engineering and Technical Services

Mr. Wise has held numerous electronic engineering technology positions in the manufacturing sector. He brings considerable products certification process management capabilities and experience. Mr. Wise is also recognized as inventor on seven US patents.



The environment is
everyone's responsibility.

As the leader in LED lighting solutions,
we're committed to doing our part.

- Maximum efficiency reduces energy usage, promoting less CO2 emissions.
- Top-quality LEDs and advanced designs reduce waste/landfill through minimal disposal of luminaires, ballasts and fixtures.
- Products are free of harmful mercury, lead, UV or infrared.

US LED, Ltd.

US LED develops best-in-class LED products for various commercial lighting applications. Long a leader in sign lighting, the company has launched the most effective products for refrigeration case lighting and a linear up/down light for the world's largest restaurant chain. Shortly US LED will launch their QUBE, a high powered, lensed, IP65, universal module with which existing luminaires can be retrofitted without the need for additional heat sinking. The exchange is quick, simple and yet custom designed for each application, producing the least waste, the least environmental impact and the most efficient technology exchange possible.

LED Lighting - What you actually need to know! – Case Study & Workshop

For US LED the right way to convert old technology to new is to create the most delivered lumens for the least watts per dollar while producing the least waste and environmental impact. This includes using the least resources in the process of manufacturing, delivering and installing the solution. The US LED Qube is a truly elegant solution for converting all forms of area lighting to efficient, effective, long-lived solid state lighting. We have developed other best-in-class solutions for refrigeration lighting and the sign industry where energy savings of 85% and paybacks under two years can be obtained.

Ron Farmer

CEO

Ron Farmer has founded several companies but the most noteworthy are US Signs and US LED, both of which he still owns and participates in.

Ron founded US Signs in 1980 and grew it rapidly winning the Inc. 500 as the 196th fastest growing company in the US and later won the Houston 100 and the Houston Chamber of Commerce's Star Award. Although considered a mature company at 27 years old, it has grown 270% in the last five years.

As CEO for US LED, Ron helps manage the company and contributes to product development and sales as US LED expands the product line to include refrigeration lighting and a full line of LED outdoor lighting products.



USLED The Right Choice™

Lead Partner

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30%* off your building's energy bill is just the beginning.

Imagine what we could do for the rest of your enterprise.

Managing complex building environments while meeting your energy efficiency targets is no small task. Our EcoStruxure™ energy management architecture achieves this elegantly through intelligent integration of building systems on a single IP platform.

The savings go far beyond buildings

Today, only EcoStruxure energy management architecture by Schneider Electric™ delivers up to 30% energy savings, uniting energy-intensive systems like HVAC, access control, video security management, and lighting control across your entire enterprise. Saving up to 30% of a building's energy is a great beginning, and thanks to EcoStruxure energy management architecture, the savings don't have to end there.



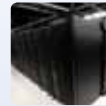
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Active Energy Management™
architecture from Power Plant to Plug™



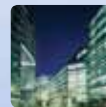
Data centers

From the rack to the row to the room to the building, energy use and availability of these interconnected environments are closely monitored and adjusted in real time.



Industrial plant

Open standard protocols allow for system-wide management of automated processes with minimized downtime, increased throughput, and maximized energy efficiency.



Buildings

Intelligent integration of security, power, lighting, electrical distribution, fire safety, HVAC, IT, and telecommunications across the enterprise allows for reduced training, operating, maintenance, and energy costs.

30%

Schneider
Electric™

Schneider Electric

As a global specialist in energy management with operations in more than 100 countries, Schneider Electric offers integrated solutions across multiple market segments, including leadership positions in energy and infrastructure, industrial processes, building automation, and data centers/networks, as well as a broad presence in residential applications. Focused on making energy safe, reliable, and efficient, the company's 100,000+ employees achieved sales of more than \$22 billion in 2009, through an active commitment to help individuals and organizations "Make the most of their energy".

Leverage guaranteed savings to fund energy efficiency upgrades – Case Study

We all know that energy efficiency is the fastest, cheapest, and cleanest way to tackle our energy dilemma. Less understood are the long term challenges to implementing sustained energy savings in our buildings. Suppose you could put your facility to work for you. And suppose you could finance improvements over an extended payback period. This presentation will show you how to decrease energy consumption, improve overall building performance and reduce your energy costs up to 30 percent with performance contracting life-cycle services.

Shon Anderson

VP of Sales

As Vice President of Sales, Shon drives sales strategies for the Energy Solutions division in the Buildings Business of Schneider Electric. He joined Schneider Electric in 1997 and spent most of his 13 years with Schneider Electric in engineering and sales positions of increasing responsibility within the Performance Contracting business. Shon holds a Bachelor of Science degree in Mechanical Engineering from the University of Texas at Arlington and is a Certified Energy Manager (C.E.M.) and Certified Business Energy Professional (B.E.P.).

Identify, plan and sustain energy savings – Workshop

Building off of Schneider Electric's "Leverage guaranteed savings to fund energy efficiency upgrades" presentation, this workshop will engage the attendee to think about energy use as a business management process in the same way that they manage finance, quality, and customer service. Utilizing case studies, it will focus on the strategy, risks and rewards of strong energy management as well as illustrate best practices and new applications associated with sustained energy savings.

Keith Munson

Area Sales Manager – Chicago

Keith Munson has been the Power Area Sales Manager for Schneider Electric in the Chicago Area since January of 2008 primarily representing the Square D brand. He is also a member of the One Schneider Chicago collaborative team which includes the local management for APC, TAC, Juno, Pelco as well as our local Certified Energy Managers. His background includes: energy management, control & automation, coaching and change management. BSME - University of Illinois - 1986.



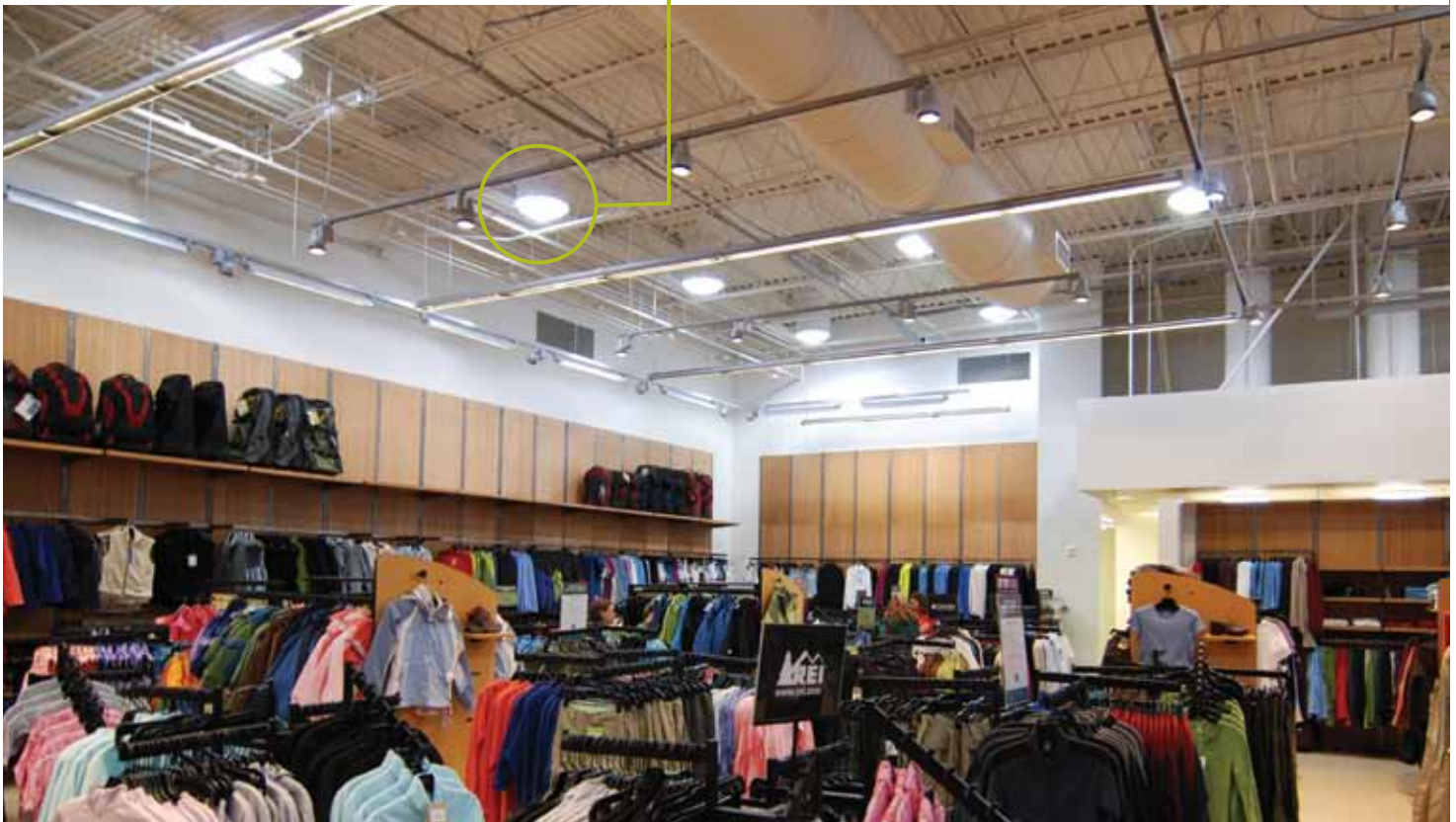
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- Daylight any space and save energy
- Perfect solution for both retrofit and new construction
- Earn valuable LEED® Credits

**To find a local daylighting expert visit
www.solatube.com or call (888) SOLATUBE**



Solatube International, Inc.

Solatube International is the worldwide leading manufacturer and marketer of Tubular Daylighting Devices. Solatube Daylighting Systems use state-of-the-art design to provide superior performance for every daylighting application. Solatube products capture sunlight on the rooftop, redirect it down a highly reflective shaft and diffuse an abundance of natural light throughout the interior space. As the industry leader, Solatube products have earned acceptance and praise from architects worldwide.

A Bright Idea for Sustainable Design – Case Study

Learn how to use Tubular Daylighting Devices to maximize a building's energy efficiency by incorporating daylighting. Solatube Daylighting Systems have been used worldwide in all types of public and private projects, both retrofit and new construction applications, including schools, retail, manufacturing, industrial warehouse facilities, offices, and military developments. Learn how daylighting reduces peak energy loads, increases human performance and contributes to sustainable design and LEED

Cynthia Sener

Vice president, Marketing

Cynthia Sener joined Solatube International 4 years ago as VP of Marketing with nearly 20 years of product marketing experience. Ms. Sener is responsible for Solatube International's marketing strategy and execution across all sales channels. Previously, Ms. Sener served as VP of Marketing with Hanley Wood Market Intelligence and VP of Product Development/Marketing with DataQuick Info. Systems. Cynthia earned an MBA at the University of CA, Irvine and BA from the University of CA, San Diego.



Achieving Sustainability Goals with Tubular Daylighting Devices – Workshop

Everyone loves daylight but how do you bring daylight deep into a building so everyone can take advantage? Learn about innovative designs using TDDs to brighten dark commercial spaces. We will discuss product technologies, applications, key metrics for lighting designs, and energy conservation strategies. Workshop will also include case studies highlighting commercial spaces, both new and retrofit, that have successfully used Solatube products to achieve their sustainable design goals.

Featured Presentation

[Progressive Energy, Environment & Sustainability Congress, August 25th – 27th, 2010, Chicago, Illinois]



The Office of the Architect of the Capitol

The Architect of the Capitol (AOC) is responsible for the facilities maintenance and operation of the historic Capitol Building, the care and improvement of more than 450 acres of Capitol grounds, and the operation and maintenance of 16.5 million square feet of buildings. The AOC also provides professional expertise with regard to the preservation of architectural and artistic elements entrusted to its care, and oversees design, construction and maintenance of the facilities and grounds for the U.S. Congress.

Applying Sustainable Practices at the U.S. Capitol

The Office of the Architect of the Capitol has embraced the principles of sustainable design in the ongoing planning, building, maintenance, and operations of the facilities and grounds at the United States Capitol. Our organization has a unique challenge in that our facilities range from about 30 to more than 200 years old. One of our biggest challenges is preserving the historic elements of our buildings, while at the same time making them as energy efficient as possible. We must look for innovative and non-intrusive ways to adapt energy savings measures into existing, historic buildings.



Stephen Ayers

The Honorable Stephen T. Ayers, AIA, LEED AP, Architect of the Capitol

Stephen T. Ayers is the 11th Architect of the Capitol. Prior to joining the AOC, Mr. Ayers was a General Engineer with the Voice of America. He also served as an officer in the U.S. Air Force. Mr. Ayers is a licensed architect in California, a member of the American Institute of Architects, the National Trust for Historic Preservation, and an Accredited Professional in Leadership in Energy and Environmental Design. He completed his Master's of Science degree in Systems Management from the University of Southern California and received his Bachelor of Science degree in Architecture at the University of Maryland.

Walmart

Wal-Mart Stores, Inc. (NYSE: WMT), or “Walmart,” serves customers and members more than 200 million times per week at more than 8,000 retail units under 53 different banners in 15 countries. With fiscal year 2009 sales of \$401 billion, Walmart employs more than 2.1 million associates worldwide. A leader in sustainability, corporate philanthropy and employment opportunity, Walmart ranked first among retailers in Fortune Magazine’s 2009 Most Admired Companies survey. Additional information about Walmart can be found by visiting www.walmartstores.com. Online merchandise sales are available at www.walmart.com and www.samsclub.com.

Sustainability: A 360 Degree Approach

Mr. Restivo will share examples of how the world’s largest retailer has tried to weave sustainability into every aspect of its business. He also will share some of the successes the company has achieved to date as well as provide a preview of what’s next at Walmart.

The presentation will cover topics such as:

- Incorporating sustainability into its building design and construction
- Working with suppliers to make their products more sustainable and helping them become more sustainable businesses
- Providing increased access to merchandise that is affordable and sustainable
- Extending this commitment to sustainability to its associates

Steven Restivo

Director of Community Affairs

Steven V. Restivo joined Walmart in 2006 and plays a key role in helping to build and enhance the company’s overall reputation. He brings more than 15 years of media relations, public affairs and issues management experience to Walmart and currently leads all public relations activities for the company in cities like New York, Philadelphia, Washington D.C., Chicago and Los Angeles, among others. In these markets, he is responsible for providing strategic direction for activities that tell the Walmart story, particularly in health care, diversity, environmental sustainability, philanthropy and economic development.



Case Study

[Progressive Energy, Environment & Sustainability Congress, August 25th – 27th, 2010, Chicago, Illinois]



TOSHIBA
Leading Innovation >>>

Toshiba International Corporation - LED Lighting Division

The Toshiba International Corporation LED Lighting Department provides the North American market with a variety of high-efficiency LED products, including the E-Core™ LED product line. Drawing upon Toshiba's 120-year heritage of lighting innovations in Japan and world-class electronic and semi conductor technologies, TIC is emerging as a leader in solid state lighting. TIC is committed to providing lighting solutions that enhances the quality of life and meet the diverse needs of its customers.

The Solid State Lighting Industry Today

This discussion will focus on the solid state (LED) lighting industry as it stands today, with a focus on practices the end users and specifiers need to understand. We will discuss the Illuminating Engineering Society's LM-79 and LM-80 standardized testing procedures, and how these are incorporated into the DOE / EPA's Energy Star and Lighting Facts Labeling programs. We will also evaluate the direction of the Utility companies when evaluating these standardization programs.

John Hasson

National Energy Accounts Manager

John Hasson is currently the Toshiba LED Lighting division National Energy Account Manager, focusing ESCo / Performance Contracting companies across the United States. He began his career in the lighting industry with an independent lighting rep agency, Lumen Power Sources in Colorado, specializing in dimming control systems. He went on to start Western Slope Controls, Inc., a lighting control systems design and installation company targeting restaurant, hospitality, retail, and large residential projects. Before Toshiba he was with Nexxus Commercial Lighting as the Eastern US Sales manager. He has been heavily involved in the developing world of LED lighting, focusing on health care, education, government, and mixed use opportunities.

Cypress Envirosystems

Cypress Envirosystems provides innovative technologies to retrofit existing facilities for energy efficiency, auto-demand response, and LEED certification. This includes retrofit solutions for HVAC pneumatic controls and lighting controls for buildings, and instrumentation for steam traps, compressed air systems and rotating equipment for industrial plants. Our technologies are 60-80% lower cost than conventional solutions, take minutes to install without disrupting occupants, and delivers investment payback in 18 months or less (with proven case studies). Our customers include Fortune 500 companies, universities, hospitals and government agencies.

Retrofitting Existing Facilities for Energy Efficiency and Improved Productivity

Compared with new facilities, existing buildings and plants often have legacy equipment which waste energy, require more maintenance, and incur more downtime. A complete rip-out and replace strategy is cost prohibitive and very disruptive to ongoing operations and occupants.

New non-invasive technologies now allow for retrofits which take minutes to install, and deliver substantial savings with investment payback of less than 18 months. This presentation will cover actual case studies and savings data related to HVAC, Lighting, Steam, and Compressed Air retrofits.

Harry Sim

CEO

Harry has a passion for improving efficiency at existing facilities. At Cypress Envirosystems, he has been involved in all phases of developing products and applications.

Prior to his current role, Harry was a VP at Honeywell, involved with Building and Industrial Automation, and Wireless businesses. During his 15 years with Honeywell he has lived and worked extensively in Europe and Asia which gives him a perspective on best practices globally. He was also a Shuttle Payload Director at NASA's Mission Control center in Houston.

Harry holds degrees in Mechanical and Electrical Engineering from Stanford University, and an MBA from Insead in France.



Case Study

[Progressive Energy, Environment & Sustainability Congress, August 25th – 27th, 2010, Chicago, Illinois]



Smardt Chiller Group Inc.

The Smardt Group was founded in 2000 and is now the largest vendor of oil-free high-efficiency centrifugal chillers in the world. With over 1500 installations world-wide (air-cooled, water-cooled, modular and condenserless), Smardt is the largest user of Turboacor Compressor Technology.

Energy Efficiency: Forcing a New Business Model in Chillers

Smardt Chillers routinely offer operating savings in the 30-50% range, compared with lubricated chillers already installed. They cost more up-front, with payback of the difference often very fast, even without utility incentives. Yet the growth of the high-efficiency chiller sector is still hampered by an obsolete business model which stresses first-cost and full-load efficiency only.



Roger Richmond-Smith

President & CEO

Roger Richmond-Smith is founder of the Smardt Chiller Group, Co-Founder of Turboacor(1993) and Multistack(1989). Current Chairman of the Liquid Chillers Section of AHRI (Air Conditioning, Heating and Refrigeration Institute) and CFC Chiller Replacement Task Force. Trained at MIT(S.M.) and the University of Melbourne (BA).

WILO USA LLC

WILO USA LLC, provides pumps and pump systems for heating, refrigeration, air conditioning, water supply and sewage. WILO pumps are used in all areas of public life: in commercial buildings, communal facilities, industry and in private homes.

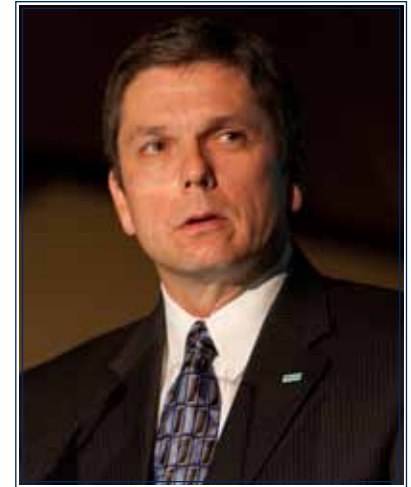
HVAC Pumping Systems – 21st century technology for increased energy savings

Over 60% of commercial utility costs is in occupant climate control – heating, ventilation and air conditioning. Up to 50% of that is spent on running pumps in Hydronic systems – that can be reduced by 80% with a 18 month payback using proper pumping techniques. Real life application examples of the latest cutting edge technologies and exciting new energy classifications of pumps related to rebate programs presented in an informative, interactive and entertaining format.

Steve Thompson

Vice President - Building Services Segment

Steve Thompson, Vice President of WILO USA LLC in charge of the Building Services (HVAC) Market Segment is responsible for the North Americanizing and launching the award winning WILO Stratos, an ECM “smart” ultra-high efficient inline pump – the first of its kind in the USA. Throughout his 36 year industry related experience, Mr. Thompson has written numerous articles and is considered an industry expert in applications involving variable flow systems and related pumping applications.



Case Study

[Progressive Energy, Environment & Sustainability Congress, August 25th – 27th, 2010, Chicago, Illinois]



Covanta Secure Services, LLC

Covanta Energy is the world's largest owner/operator of Energy-from-Waste facilities, generating clean, renewable energy, around the clock and across the globe. Covanta Secure Services provides manufacturers a sustainable Energy-from-Waste waste disposal solution that complements industry's efforts to reduce, reuse and recycle. The Covanta process recovers Clean, Renewable energy and reduces the volume of waste sent to landfills. In addition to helping manufacturers achieve their Sustainability Goals, Covanta also offers secure disposal options for companies that require Certificates of Disposal and Witness Destruction services.

Energy-from-Waste: A Solution for Corporate Sustainability

Companies like yours are making great progress toward achieving your sustainability goals. Similar to environmental and safety performance, sustainability is a process of continuous improvement. Covanta will review the steps several manufacturing customers have followed to become more sustainable and how Covanta's process to recover Energy from Waste compliments the EPA hierarchy to Reduce, Reuse and Recycle. We will also discuss how Covanta can support government agencies, institutions and municipalities as they seek alternatives to landfill disposal, strategies to reduce greenhouse gas emissions and reliable sources of renewable energy.

Paul Gilman

Chief Sustainability Officer

Paul Gilman joined Covanta in 2008 as Covanta Energy's first Senior Vice President and Chief Sustainability Officer. He has held several senior government positions including the Assistant Administrator for Research and Development and Science Advisor at the U.S. Environmental Protection Agency, Associate Director of the White House Office of Management and Budget for Natural Resources, Energy, and Science, and Executive Assistant to the U.S. Secretary of Energy for technical matters. Mr. Gilman also served as the Executive Director of life sciences and agriculture divisions of the National Research Council of the U.S. National Academies of Sciences and Engineering.



Hurst Boiler & Welding Co., Inc.

Hurst Boiler & Welding Co., Inc. was established in 1967, manufacturing solid fuel boilers for the ethanol industry, then moved into industrial, commercial, and institutional boilers for HVAC systems. Always a leader in solid fuel equipment and technology, recent market influences have moved technologies toward power generation through alternative fuels - biomass and other renewable fuels. Major markets now include Biomass & Solid Fuel Systems for Steam/Hot Water Generation, Power Generation, Co-Generation, & Tri-Generation.

Go Carbon Neutral with a Hurst Biomass Boiler System

Alternative Fuel Solutions and shovel-ready packaged projects can help you Reduce Carbon, Reduce Emissions, and Reduce both Operating and Fuel Costs, as well as being eligible to Sell Your Carbon Credits!

The environment, a tighter economy and political incentives are fueling the move toward Hybrid Biomass Boilers and CHP Systems. New technologies along with considerations for trading fossil fuels for woody biomass, forest refuse and process and industrial waste allow us to help companies like yours navigate the intersection of environmental responsibility and corporate profitability. Jeff Hurst and Tommy Hurst will join Greg in an effort to answer all your questions.

Greg W. Smith

President, Global Energy Solutions, Inc. – Hurst Biomass/CHP Technology Partner

Global Energy Solutions, Inc. a Hurst Boiler Technology Partner, was created in 1996 by Gregory W. Smith. He earned his BSIE from Georgia Institute of Technology and his Masters of Engineering Management (MEM) from Northwestern University. Throughout his 25-year career, Greg has been active in the industrial and power markets, primarily in the field of energy management and energy conservation, creating innovative, cost-effective and energy-saving solutions for the industrial and power markets. Member ASHRAE, Biomass Energy Research Association.

Jeff Hurst joined the Hurst family business in 1980, embarking on a 29-year career in boiler manufacturing, technology, HVAC and energy management.



Featured Presentation

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H-E-B

H-E-B is a 105-year old food and general merchandise retailing firm headquartered in San Antonio, Texas. With annual sales of over \$15 billion, over 300 stores including 32 in Mexico, and over 70,000 employees, H-E-B is the 13th largest privately-owned firm in the U.S. H-E-B has stores as large as 178,000 SF, and averages 70,000 SF. Over 8 million customers shop H-E-B each week. H-E-B also operates food manufacturing plants and warehouses on six industrial campuses in Texas and Mexico. The firm donates 5% of pre-tax earnings to non-profit charities in our service areas.

Aggressive Commercial Demand-side Energy Management: Successes and Challenges

H-E-B has pursued demand-side energy management in its stores for over a decade, and has taken a more aggressive approach during the past 5 years as a means to reduce corporate operating expenses. Key elements of the strategy include staffing, organizational reporting structure, access to investment capital, means to evaluate emerging technologies, piloting and roll-out strategies, measurement and reporting of results, and communications with various internal and external stakeholders. We will review what has worked, what has not, and our future directions.



Bob Manning

Director of Energy and Industrial Facilities

Bob is Director of Energy and Industrial Facilities for H-E-B Grocery in San Antonio, Texas. Since 1996, he has managed the supply- and demand-side of an annual corporate utility budget of \$150 million.

Bob has a B.S.M.E. degree from the University of Houston, and an M.S. in Engineering Science from Trinity University.

From 1999 - 2006, Bob served on the Board of ERCOT, and was Vice Chairman from 2002 - 2006. Since 1998 he has served on Trinity's Engineering Board. In 2005 Bob was elected to the City Council of Boerne.

Federal Bureau of Investigation (FBI)

The FBI is the principal investigative arm of the United States Department of Justice. FBI has the authority and responsibility to investigate specific crimes assigned to it, including environmental crimes. FBI's mission is to uphold the law through the investigation of violations of federal criminal law; to protect the United States from foreign intelligence and terrorist activities; to provide leadership and law enforcement assistance to federal, state, local, and international agencies; and to perform these responsibilities in a manner that is responsive to the needs of the public and is faithful to the Constitution of the United States.

Sustainability Efforts at FBI: Struggles and Early Accomplishments

The federal government's sustainability efforts are driven primarily by statutory requirements (e.g., the Energy Independence and Security Act of 2007) and "greening" Executive Orders. With sustainability goals in myriad areas – including greenhouse gases, energy/water efficiency, and sustainable building design – federal agencies grapple with reconciling their organizational structures and missions with environmental protection and sustainability. This presentation provides an overview of FBI's sustainability efforts, struggles, and early accomplishments. Much of our success will hinge on our ability to partner with private industry as we design, operate, and outfit our facilities.

Catherine Shaw

Environmental Protection Program Manager

Catherine Shaw is the Environmental Protection Program Manager for the Federal Bureau of Investigation (FBI). Ms. Shaw is responsible for ensuring that FBI conducts its operations and manages its facilities in an environmentally compliant and sustainable manner. Ms. Shaw is in the process of implementing a multi-tiered Environmental Management System at the headquarters, facility, and field office levels to proactively manage environmental risks to FBI's mission. Prior to joining the FBI, Ms. Shaw worked as an environmental consultant, providing support to EPA, the Navy, and the Pentagon.



Case Study

[Progressive Energy, Environment & Sustainability Congress, August 25th – 27th, 2010, Chicago, Illinois]



Energy Management Systems

EMS implements turnkey cost-cutting strategies: energy efficient lighting upgrades and heating/cooling control systems. Industrial companies are able to reduce energy consumption by 30-70%.

Save Energy — Green Your Plant — Publicize Your Efforts

You'll Learn About:

- Two projects to jump-start energy savings
- High efficiency lights
- Optimizing the heating system you already have
- Incentives available for energy efficiency projects
- Importance of publicizing your efforts
- Starting a positive energy culture
- Specific case studies!



Dave Riggle

President

Spending the past three decades leading Energy Management Systems Inc., Dave Riggle is a seasoned veteran in the energy management industry. After creating a regional company located in Elkhart, Indiana in 1986, Dave grew the business to a \$5 million company that has saved more than 300 companies millions on energy costs throughout the United States.

Village Green Global

Established in 2002, Village Green Global pioneered automated environmental reporting for businesses. The company provides reporting solutions, advisory services, and education to support better business practices and improved bottom line performance. Its SMARTweb® carbon emissions accounting tool enables organizations to accurately gather and verify emission data using the online application allowing for multiple levels of automated reporting not possible with manual, non-integrated systems. Get Green helps students of all ages learn processes needed to take advantage of green job opportunities within environmental services worldwide.

Greenhouse Gas Emissions Reporting Through Integrated Business Solutions

The coming years will be an important period for regulation, fiscal policy, formal standards, and corporate guidance related to the issues of sustainable development, climate change and energy efficiency, these will have direct impact on enterprises of every facet. Business will need to respond.

CEO and Founder, Doug Smith will illustrate how a business can focus on sustainability; improve organizations' profitability; generate eco-aware initiatives; and improve understanding of corporate social responsibility, the legal requirements and consumer expectations.

Doug Smith

Founder and CEO

Doug Smith, founder and CEO of Village Green Global Inc., is a true environmental entrepreneur with over 25 years experience in the business sector. He has used his visionary drive and extensive knowledge to increase profit, inspire, educate and transform businesses to reduce environmental impact, and create the foundations of a great culture and social awareness. With Doug's leadership, Village Green Global has made it a priority to develop relationships with education systems in order to begin cultivating green jobs, which are increasingly important in today's workforce.



Featured Presentation

[Progressive Energy, Environment & Sustainability Congress, August 25th – 27th, 2010, Chicago, Illinois]



Turner Properties, Inc.

Headquartered at CNN Center in Atlanta, Turner Properties oversees the management of all facilities leased or owned by Turner Broadcasting across the globe. The 400-employee division handles facilities administration, new construction and renovations, property management and logistics, facility operations, maintenance, real estate, leasing and marketing.

Turner Broadcasting System, Inc., a subsidiary of Time Warner, Inc., is a major producer of news and entertainment product around the world and the leading provider of programming for the basic cable industry.

How did CNN Center Increase Utility Costs 175% and win an energy award?

Since 1996, CNN has experienced explosive growth. The Cable News Network has gone from 5 networks to 16. Commensurate with these new networks are additional studios, data centers, and other technical space that casts a dense energy footprint. Despite the enormous increase in energy required, the company has reduced the energy growth with a back-to-the-basics approach to energy management. Even more importantly, those savings have been carefully tracked so that management can see what they saved and how effectively the capital dollars have been spent.



John Hester

Director Design Engineering

John Hester is Director of Design Engineering for Turner Properties, subsidiary Turner Broadcasting System, Inc. (TBS, Inc.). He leads a team of engineers whose responsibilities include the development and implementation of major mechanical/ electrical capital improvements, and the management of Utilities and the Indoor Air Quality.

Prior to joining TBS, Inc. in 1993, Hester was a senior facilities engineer for Rockwell International.

Awards: 1998 Atlanta chapter ASHRAE Engineer of the Year in Industry
2009, AEE's International Energy Manager of The Year.

Education: BSME from Kettering University, formerly as GMI, in 1983.

TPC Group

Headquartered in Houston, Texas, TPC Group is a leader in providing highly specialized lines of chemical products to major chemical and petroleum-based companies worldwide. As North America's largest producer of finished butadiene and the largest producer of butene-1, companies around the globe rely on TPC Group as their dependable supplier for hydrocarbon processing and other specialty chemicals. TPC is the sole producer of chemical grade diisobutylene in North America and the second largest active merchant producer of high purity isobutylene in North America.

Energy - A Key Component to TPC's & Sustainability

TPC Group has implemented a strong energy management program that includes awareness at all levels of the company, integration of the program into the businesses, an ongoing capital program and optimization program designed to optimize the energy use, and a robust procurement / sales strategy. The program includes robust systems and procedures to guarantee sustainability. Examples from the daily program management and the high level awareness discussions as well as results from the last several years and current focus areas will be discussed.

Elizabeth Ballard

Director of Engineering & Technology

Beth is the Director of Engineering & Technology for TPC Group. In her role, Beth is responsible for capital, engineering, technology and energy. Beth's work includes leading the implementation of a robust capital process and optimizing integrating the energy spend / budgets for the TPC Group.

Beth has 30 years of experience in the Chemical industry, in roles ranging from Engineering, R&D, Six Sigma, Director of Engineering & Technology and Director of EHS. Beth has worked for several global chemical companies, including Dow Chemical, Union Carbide Corporation, and Chemtura. She has a B.S. degree in Chemical Engineering from Purdue University.



Case Study

[Progressive Energy, Environment & Sustainability Congress, August 25th – 27th, 2010, Chicago, Illinois]



Jorgensen Facilities Services

Jorgensen's proactive approach to facilities solutions resonates throughout our full range of value-added service offerings. Our service solutions include full facilities management, scheduled PM services, on-demand truck services, mechanical maintenance, facility & asset condition assessments, asset management, sustainability energy/utility programs and capital project management. Jorgensen is lean and nimble, enabling us to be ultra-responsive to our clients' needs.

Our proven management approach drives sustainable cost savings. Jorgensen continues to help clients significantly reduce their facilities' operating expenses, while improving facility quality and protecting capital assets.

Sustainable solutions to reduce capital and expense operating costs

Jorgensen Facility Services group presents a world class case study reviewing the results of a fully integrated energy resource program. The program focuses on achieving truly sustainable results across the entire facilities management spectrum of a nationally dispersed portfolio of 8M sq ft using toolsets such as energy use index, real time monitoring, financial justifications, and measurement & verification. The program to date has already avoided over \$12M in energy costs, 132M lbs of CO₂, 442K lbs SO₂, and 321K lbs of NO_x. This session will provide you with a clear roadmap for delivery of a truly sustainable program focused on reduction of your overall environmental footprint.

Doug Kessler

Vice President

Doug Kessler is a Vice President with Roy Jorgensen Associates, Inc. managing daily operations and liaison for client relationships. He has been involved in industry leading trends for facility operations, management, and energy/sustainability programs for over 30 years. Doug carries a degree in energy technology and has several certifications in energy and facility related activities. As a senior operations manager, his real world experience brings client value through his knowledge of critical operating centers, production environments, and risk assessments.

Solution Dynamics

Solution Dynamics is a nationwide organization providing evaluation, development and implementation of energy cost reduction opportunities for the industrial sector. They have extensive experience evaluating all aspects of energy consumption in complex facilities allowing them to quickly and effectively identify and develop significant energy savings opportunities using a cost effective, and “risk free” methodology.

STRATEGIC PLANNING FOR ENERGY COST & CARBON FOOTPRINT REDUCTION

Calvin will discuss the how and why of energy cost reduction strategic planning. The goal of any energy management program should be to target goals and achieve results within the time allotted. Regardless of whether you are managing a single site or hundreds of sites around the globe, assembling a strategic plan should be the first step in the process. When completed it will serve as recipe and road map to get your to your destination. While at the same time it must remain a living breathing strategy that can adapt to changes along the way. A good strategic plan focuses on people, processes, and tracking metrics. We will show how establishing strong Key Performance Indicators (KPI's) allow you to track progress and continuously drive improvement. We will also reveal the Key KPI necessary to make any plan sustain and succeed over the long term.

Calvin Wohlert, P.E.

Principal

Calvin has over 15 years experience as an energy project developer and energy engineer. His education and career have focused on energy efficiency and related issues. He has worked for hundreds of commercial, federal and industrial facilities performing energy engineering studies, implementing and verifying energy cost savings projects.



Featured Presentation

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MillerCoors

Built on a foundation of great beer brands and more than 288 years of brewing heritage, MillerCoors continues the commitment of its founders to brew the highest quality beers. MillerCoors is the second largest beer company in America, capturing nearly 30 percent of U.S. beer sales. Led by two of the best-selling beers in the industry, Miller Lite and Coors Light, MillerCoors insists on building its brands the right way through brewing quality, responsible marketing and environmental and community impact. MillerCoors is a joint venture of SABMiller plc and Molson Coors Brewing Company.

Great Beer, Great Responsibility: MillerCoors Sustainability Strategy

Great Beer, Great Responsibility. These four words have real meaning at MillerCoors. We know there's much more to being a leading brewer than just making great beer. With leadership comes responsibility, which is we we strive to be sustainable in every aspect of our business- from grain to glass. This presentation will focus on MillerCoors overall sustainability strategy, and give insights to the audience on how MillerCoors people and partners are bringing these responsibilities to life: Alcohol Responsibility, Environmental Sustainability, Sustainable Supply Chain, People and Community Investments and Ethics and Transparency.



Kim Marotta

Vice President Corporate Social Responsibility

In her role, Ms. Marotta is responsible for implementing MillerCoors sustainable development strategy and managing MillerCoors alcohol responsibility initiatives. She also works closely with both parent organizations, SABMiller and Molson Coors, to drive performance in these key areas.

Ms. Marotta completed her undergraduate work at Marquette University and is a graduate of the University of Wisconsin-Madison Law School. Prior to joining MillerCoors in 2004, Ms. Marotta practiced law for more than 13 years, specializing in criminal defense. Ms. Marotta is a member of several boards, including Milwaukee World Festivals, Children's Hospital Foundation of Wisconsin and the Alcohol Beverage Medical Research Foundation.

Cummins, Inc.

Cummins is a corporation of complementary business units that design, manufacture, distribute, and service electrical power generation systems, engines, and related technologies, including fuel systems, controls, air handling, filtration, and emissions solutions. The company's operating segments are Engine, Power Generation, Components and Distribution. Cummins serves its customers through a network of more than 500 company-owned and independent distributor locations and approximately 5,200 dealer locations in more than 190 countries and territories. Cummins is headquartered in Columbus, Indiana and had 34,900 employees and revenues of \$10.8 billion in 2009.

Advanced Energy Efficiency - from Energy Champions to Everyone ENvolved

With growing consensus on climate change and emerging greenhouse gas regulations Cummins sought to be a green leader by setting aggressive carbon footprint goals, which in turn required a comprehensive energy efficiency initiative.

The presentation shares not only a systematic approach to energy efficiency investments, but highlights enormous opportunities in employee engagement for a sustainability focused culture. Site Energy Champions mentor and enable area Energy Leaders in finding high impact improvements through treasure hunts. Making energy costs – both financial and environmental – visible empowers everyone to participate in improving operational efficiency and becoming ENvolved!

Mike Molnar

Director - Environmental Policy & Sustainable Development

Mike Molnar is the Director of Environmental Policy and Sustainable Development for Cummins Inc. with responsibilities for corporate initiatives such as energy efficiency, sustainability of operations, and compliance affairs such as elimination of hazardous materials.

Mike has 30 years of experience in leadership roles including Manufacturing Engineering, Systems, Quality, Capital Planning, and Technology Development. His credentials include service as a White House Fellow and election as Fellow of both the Society of Manufacturing Engineers and the American Society of Mechanical Engineers. He is an active member of professional societies, consortia, and volunteer organizations.



Case Study

[Progressive Energy, Environment & Sustainability Congress, August 25th – 27th, 2010, Chicago, Illinois]



ConDex Energy

Combustion & Energy Systems Ltd. and its wholly owned subsidiary, ConDex Energy, are specialists in maximizing the recovery and reuse of waste energy, reducing energy costs and emissions for our customers. We specialize in the design and fabrication of condensing heat recovery systems, a concept where currently wasted energy and water are recovered and reused. Combustion & Energy Systems distinguishes itself by supplying energy efficiency systems that are specifically designed to maximize the heat recovery and reuse requirements at our customer's facility. We go beyond being a simple equipment supply company, as each system we deliver is custom designed to maximize the energy recovery at your plant. Combustion & Energy personnel will measure and quantify the waste heat sources at your facility, identify heat sinks and design an energy recovery system sized specifically for your requirement - and we guarantee the results. Whether preheating a boiler or process water, heating a building, or creating electricity with recovered energy, our experience and proven track record of award winning energy efficiency ideas are at your disposal to maximize your plant efficiency.



Maximizing Energy Efficiency with ConDex Condensing Economizers

The Combustion & Energy Systems presentation will discuss specific methods proven to help companies profit from reductions in energy consumption and emissions. Topics will include aspects and advantages of waste energy recovery through the use of ConDex Condensing Economizer Systems and will include a wide variety of actual operating Case Study applications from across various industries.

Cameron Veitch

Vice President

Cameron Veitch has been working in the energy efficiency field for over 15 years. Most recently the company and Cameron's focus has been on maximizing energy efficiency through condensing heat recovery technology. He began his career in the field designing and implementing energy recovery systems and project application specifics as a project application manager. With the corporate focus on expanding the realm of energy efficiency products and applications, he is currently Vice President of Operations specializing in product application strategies growth.

Shaw Environmental and Infrastructure, Inc.

Shaw is one of the world's leading multi-disciplined, vertically integrated companies. We are a Fortune 500 firm with more than 28,000 employees globally. Shaw brings decades of experience in design, engineering, consulting, construction, and technology services to clients in government and private sectors, helping to develop and maintain effective responses to environmental and infrastructure challenges. A well respected firm, Shaw consistently earns impressive rankings in the Engineering News Record (ENR) ratings. In the most recent rankings we placed in the Top 500 Design Firms, Top 400 Contractors, and Top 200 Environmental Firms.

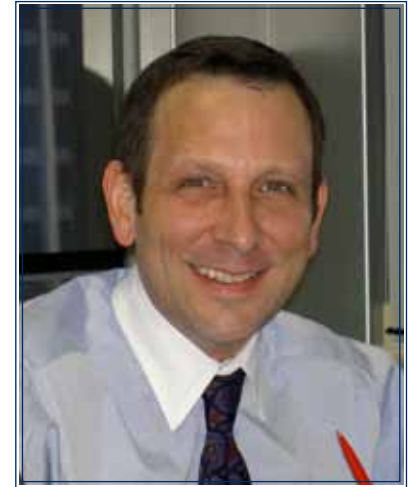
Identifying & Accessing Funding for Energy Efficiency & Renewable Projects

The presentation will discuss developing energy conservation strategies to gain the most impact from energy efficiency dollars available through State and Federal funding sources, including the American Recovery and Reinvestment Act. We will discuss the type and amount of energy efficiency funding that is available and the mechanisms used to distribute the dollars. The presentation will also highlight examples of successful grant recipients from Shaw's firsthand experience designing and managing State energy efficiency programs.

Bill Abolt

Great Lakes District Manager

Mr. Abolt is responsible for direction and oversight for Shaw's Illinois and Wisconsin offices. He is a member of Shaw's Sustainability National Practice and leads the Green Design and Development and Clean Energy practice. Mr. Abolt directs consulting projects involving renewable and energy efficiency, sustainable design, brownfield development, regulatory analysis, capital planning and budget optimization. Prior to joining Shaw, he served as Environment Commissioner, Director of the Office of Budget and Management and Chief of Management, Office of the Mayor, for the City of Chicago and, before that, as Executive Director of the Solid Waste Agency of Northern Cook County.



Featured Presentation

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ISO Project Committee 242- Energy Management Systems

The scope of the Committee is the standardization in the field of energy management. The standard will also address measurement of current energy usage, implementation of a measurement system to document, report, and validate continual improvement in the area of energy management.

Overview of the New ISO 50001; Energy Management System Standard

The presentation is an overview of the upcoming new ISO standard on Energy Management Systems. The standard will provide organizations and companies with technical and management strategies to increase energy efficiency, reduce costs, and improve environmental performance. Based on broad applicability across national economic sectors, the standard could influence up to 60 percent of the world's energy demand. This standard will follow the plan-do-check-act model and help an organization systematically address its energy use and efficiency. The standard is being developed under a consensus process involving nearly 50 countries. The final document, ISO 50001, is expected in late 2010.

Edwin Piñero

Chairman, ISO PC 242 and Manager, Sustainable Development, ESS, Parsons Corporation

Edwin Piñero is currently the chair of ISO PC 242 Energy Management System Standard and Manager of Sustainable Development for the Energy, Systems, and Security Division, Parsons Corporation. At Parsons, he is helping Federal clients with sustainability improvements, and aids them in planning, developing, and implementing sustainable solutions. Mr. Piñero has nearly 30 years of experience in earth and environmental sciences, energy issues, and implementation of sustainable practices. He has worked for private consulting firms, state government, and the Federal government; including serving as Energy Director in Pennsylvania. He has been a member of various ISO committees.

Gundersen Lutheran

Gundersen Lutheran is a physician led, multi-specialty health system headquartered in La Crosse, WI. The integrated delivery system is comprised of a 325 bed tertiary medical center and 41 clinic locations in Western WI, Southeastern MN, and Northeastern IA and employs 6,500 people, including 475 physicians. Gundersen Lutheran is also the Western campus for the University of Wisconsin Medical and Nursing school and conducts residency, medical, and nursing education programs. Gundersen Lutheran has been distinguished as a Top 100 hospital by Thompson Reuters and has also received the Health Grades Distinguished Hospital Award for the nation's top 5% of hospitals.

Energizing Healthcare

The presentation will outline Gundersen Lutheran's "Envision" program which is its vision for energy and environmental stewardship. The material will show the strategy being employed to achieve 100% energy independence for the system by 2014. Gundersen Lutheran has developed a roadmap to produce as much clean, renewable power as it consumes by that time. This plan is not only good for the environment but also has positive community health benefits and will simultaneously reduce the cost of health care.

Jeff Rich

Executive Director - Major Projects & Efficiency Improvement

Jeff Rich joined Gundersen Lutheran Health System in October 2006 to lead the department of Major Projects and Efficiency Improvement. As the executive director, his major responsibilities include project I.D., project delivery and coaching of project leaders on process improvement. Jeff was previously employed for ten years with Trane and six years with the John Deere Waterloo Works where he held leadership roles in Engineering, 6 Sigma and Marketing. Jeff holds a Bachelor of Science in Mechanical Engineering and is a certified Lean-6 Sigma black belt and master black belt. He is also a senior member of the American Society for Quality (ASQ) and an ASQ-certified quality engineer.



Case Study

[Progressive Energy, Environment & Sustainability Congress, August 25th – 27th, 2010, Chicago, Illinois]



BIRDSALL SERVICES GROUP

Birdsall Services Group (BSG) is a professional service firm with recognized leaders in engineering and environmental consulting services. The combined strengths of our licensed and certified professionals enable us to serve a wide variety of clients in the private sector as well as all levels of government, public authorities, and non-profit organizations. With offices throughout New Jersey and New York we can provide our clients with a broad range of engineering and consulting services that include Civil, Environmental, Geotechnical, Marine, MEP, Planning, Structural, Sustainable Energy, Transportation, Waste Management, and Water Resources.

Sustainable Energy Master Planning

A sustainable energy master plan encourages and promotes the efficient use of natural resources, while also ensuring that existing and new equipment is functioning at peak efficiency. This plan provides for a process to reduce green house gas emissions within the confines of ensuring that energy is procured at the lowest levels. BSG's sustainable energy master plan approaches energy from both the demand and supply side of the equation. By clearly understanding both the equipment components within a facility and the way in which energy is consumed, BSG designs a plan to reduce energy usage and costs while also encouraging sustainability and renewable energy.



Robert Gerard

Chief Marketing Officer

Robert M. Gerard currently serves as Chief Marketing Officer at Birdsall Services Group and is directly responsible for the development and implementation of the firm's corporate marketing and business development practice. He is also responsible for the firm's strategic planning activities and future acquisitions. Since 1999, he has spearheaded the firm's involvement with sustainable energy management and the aggregated procurement of electric and natural gas. Additionally, he has assisted in the development of client-wide sustainable energy master plans to include energy efficiency, sustainable (green) building standards, greenhouse gas emissions, renewable energy, and energy procurement.

Daniel Swayze

Chief Operating Officer

Avanceon

Since 1984, Avanceon has been a leader in the design, development, & implementation of manufacturing technology solutions that result in reliable control automation & information management systems. Avanceon specializes in the development of real-time performance management systems for the process & discrete manufacturing industries. With the international capability to deliver engineering services in electrical, controls, IT, & energy conservation technology, Avanceon creates integrated solutions that enable clients to control, improve, and optimize their manufacturing processes and utilities. The company currently employs 300+ personnel & is a member of CS Magazine's SI Hall of Fame.

Least Cost Load Sharing

We will demonstrate how to conserve 5 to 10% on your energy bills with "least cost load sharing". This process control approach is very cost effective in that we retrofit the existing equipment with an energy specific supervisory control and data acquisition system (SCADA). "Least Cost Load Sharing" technology is embedded in the SCADA system where it continuously calculates the equipment's efficiency throughout its operating range to establish and manage the equipment to the highest level of efficiency. With Avanceon's iUtility application suite, we can improve the efficiency of boilers, chillers, air compressors, large motors, or any high energy user.

Robert Zeigenfuse

Director of Energy, President

Robert Zeigenfuse is the President of Avanceon and the Managing Director of Avanceon's Energy Management Business Group. He is a recognized consultant in automation, manufacturing information, support services and energy management disciplines to improve efficiency, productivity and quality. Bob works with various customers to apply sound strategies that drive operational excellence & to align, design, implement & deploy best manufacturing practices, creative technological solutions and creative energy conservation solutions. Bob has become known worldwide for his forward thinking, vision and thought leadership, state-of-the-art manufacturing solutions, industry leading business practice.



Case Study

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Choice Energy Services Retail, LP

The Choice Energy Group was founded in 1994 by E. Javier Loya as an electric and natural gas brokerage firm in Houston, Texas, and has since grown to become one of the top multi-functional energy broker/consultants in the United States. In 2002, with the deregulation of electricity in Texas, Choice Energy Services Retail was formed. CESR works with some of the largest retail loads in the nation and other deregulated markets with specialized portfolio products developed for them; giving clients access to wholesale markets for active management of energy costs on real time basis.

Total Utility Management

A presentation on power and natural gas in the competitive markets; strategic product choices; electric delivery; maintenance; and cost management and demand side management. Navigate and educate our clients through the complications that arise from product, market and contract changes in the industry.



Kivanc Dikmen

Managing Partner

Dikmen graduated from Missouri State University in 1995 earning a Bachelor of Science in Marketing and minor in Advertising. Dikmen has been on the forefront of energy industry since joining Choice Energy in 2007. Dikmen has successfully managed large portfolios including Garden Ridge Pottery and Ft Bend ISD. He was recently recognized by Forbes magazine for his success in negotiating large procurement contracts. He has played a major role in restructuring Choice Energy Services and continues to expand the company by offering state give back programs, residential solutions, Green, and efficiency studies.

Harris Lighting

Harris has over 40 years of experience designing and manufacturing energy efficient lighting systems. The company implements innovative designs and technology with on site engineering and manufacturing. Our comprehensive product line offers new fixtures and retrofit solutions to meet all project goals including light levels and appearance.

LED: Fact and Fiction

The entertaining presentation will discuss the realities and misconceptions of LED lighting including efficiencies, system life, and testing. You will learn the questions to ask when LED lighting is being considered for an energy efficiency measure.

E. W. Dovel

VP, Public Sector Sales

Mr. Dovel has 30 years of sales and customer service experience with Fortune 100 companies like RJR Nabisco and Emerson Electric. His duties at Harris Manufacturing, Inc. include project development for public sector facilities and he has successfully executed over \$10M in the last 4 years. Mr. Dovel is a Certified Energy Manager (CEM) and is also a BOC instructor. He is a principal at Harris and has over 10 year experience in the energy efficiency arena.



Case Study

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GDF SUEZ Energy NA

GDF SUEZ Energy Resources NA is the second largest non-residential retail electricity supplier in the United States and currently serves commercial and industrial customers in 11 markets: Delaware, Texas, Massachusetts, Maine, Maryland, New York, New Jersey, Pennsylvania, Illinois, Connecticut, and Washington, D.C. The company serves over 60,000 accounts for customers having a peak demand ranging from 50 KW to more than 200 MW, with an estimated peak load totaling over 8,500 MW.

Rediscover Energy: The Intersection of Sustainable Initiatives, Smart Grid and Deregulated Energy Markets

Deregulated electricity markets have provided end use customers a variety of flexible options to manage budgets and risks, and lower costs as compared to traditional regulated utility systems. New sustainable energy initiatives will provide additional tools for energy providers and customers to manage their energy portfolio, energy cost risks, and potentially lower energy costs in general.



David Braun

Regional Vice President - PJM

Braun has two decades of experience in the energy and utility industries, including 12 years in the deregulated electricity and natural gas markets across the United States. In addition to his work in Pennsylvania, he is also responsible for GDF SUEZ's retail electricity sales efforts across the Mid-Atlantic as well as the Midwest ISO grid, which is interconnected to PJM and spans the Upper Midwestern region of the country. Prior to joining GDF SUEZ, Braun was Director of Pricing at Direct Energy Services, where he was responsible for managing the openings of Direct Energy's Illinois and Ohio offices. He has also held sales, marketing and operations roles at NewPower and Exelon Energy.

Environmental Systems, Inc.

The ESI/ELM alliance brings together two leading companies dedicated to the design and implementation of sustainability programs that reduce operating costs, energy consumption, and environmental impact. The alliance brings a high level of customizable solutions which compliment each other in achieving measurable bottom line benefits to businesses.

ESI provides automation, controls, data analysis, measurement & verification, system integration and energy services within a site, while ELM focuses on environmental management systems and environmental risk management for waste reduction, air emissions, storm water run off, etc., from the site.

Proven business value through the EMS² Platform

This presentation will show how the combination of energy and environmental management systems provides proven operating cost savings. The EMS² platform addresses building efficiency, sustainable operations and intelligent applications that reduce energy consumption and manage environmental issues to provide a positive impact to a company's bottom line, environmental footprint and competitive advantage.

Paul Oswald
President



Case Study

[Progressive Energy, Environment & Sustainability Congress, August 25th – 27th, 2010, Chicago, Illinois]



AmbiRad

AmbiRad is recognized as an international leader in the field of industrial and commercial energy products, saving energy around the world. AmbiRad is a global operation and boast customers in over 45 countries around the world who are realizing the cost-efficiency and environmental benefits of their energy efficient solutions. The company's strategy is to meet the needs of industrial and commercial customers worldwide through a service to contractors, specifiers and facilities owners while constantly seeking new ways to reduce carbon footprint and maximize energy efficiency.

Uncovering Profits Through Facility Efficiency

Energy conservation in large buildings is difficult because of high ceilings and infiltration rates; but this is an area where huge energy and financial savings can be achieved. AmbiRad offers a range of the highest efficiency equipment and controls but more importantly the expertise to design and install the energy solution which is tailored to your requirements. In our presentation we describe our corporate philosophy on our approach to energy optimization. As well as our unique path to market to insure building owners receive a premium result and value when reaching their energy and environmental targets.

Craig Hale

Vice President / National Sales Manager

Mr. Hale is a 1991 Graduate of Indiana University. Mr. Hale is recognized as an industry leader in the field of energy conservation through facility environment efficiency. He has over 20 years experience in the design and implementation of industrial energy systems. He has been a featured speaker for the Energy Solutions Center in Washington, DC as well as many utility companies throughout the United States. Current energy driven projects include private companies such as Caterpillar, Level 3 and Volvo as well as multiple public sector projects with the US Military and US Postal Service.

BP Solar

As a turn-key, solar energy solutions provider, BP Solar helps its customers reduce costs, hedge against future utility rate increases, and achieve their sustainability initiatives. With over 35 years in the solar industry, our offering includes a host of products and services to design, install operate, maintain and finance your solar project.

Achieving Sustainability with BP Solar

Ed Sappin

Large Commercial Projects Manager, North America

Ed Sappin is the Large Commercial Projects Manager for BP Solar in North America. Joining the company in May 2009 as a SR. Utility-scale project developer, Mr. Sappin rapidly established himself as a top-class project developer, working on several multi-100MW opportunities. Mr. Sappin has more than a decade of business development, strategy, and finance expertise in the US, Asia and Europe. In addition to his strong finance track record and technical know-how, Mr. Sappin has expertise in solar, smart grid, storage, REC markets, project finance and government policy related to renewable energy.



Exhibit Partners

[Progressive Energy, Environment & Sustainability Congress, August 25th – 27th, 2010, Chicago, Illinois]



AAF International (American Air Filter)

AAF® International (AmericanAirFilter®) is the name recognized globally for energy savings through innovative air filtration solutions. As one of the world's largest manufacturers of commercial, industrial, and residential air filters, AAF makes a wide variety of products for removing and controlling airborne particulate and gaseous contaminants.



Autani Corporation

Autani Corporation develops Energy Management Systems designed to easily retrofit into existing commercial buildings and schools using advanced wireless technology. Autani's centrally managed systems include: Digital Lighting Control – HVAC Control - Plug Load Control – PC Power Management – Metering and Sub Metering/Monitoring - Support for Demand Response & Load Curtailment Programs. Autani's products are low cost, quickly install and produces between 35% - 80% in energy.



Advanced Control Technologies

ACT is a leading designer of cost saving & environmentally friendly building solutions. ACT builds UL Classified LED lighting products, lighting controls and HVAC modules for commercial/industrial facilities. Expertise in many signal technologies like LonWorks, ZigBee, Z-Wave, Powerline, and BACnet result in creative solutions, while international manufacturing and engineering facilities have helped ACT contain costs for 20+ years. ACT LED lighting & controls save money and reduce pollution!



American Dryer, Inc.

American Dryer manufactures the most compact, energy efficient high speed hand dryers in the USA – since 1952. Our newest model the EXTREMEAIR dries hands in 10 seconds while using 1/3 of the electricity of other "green" hand dryers. GreenSpec approved. Helps qualify for LEED Credits. Cleaner Design – Greener Results.



aquatherm

Aquatherm Inc.

Aquatherm produces the world's most advanced polypropylene piping systems for potable water, reclaimed water, and heating and cooling distribution. Polypropylene is long-lasting, non-corroding, naturally insulated, and very environmentally friendly. Aquatherm piping systems allow builders to go green while improving the performance and longevity of their installations.



EliteEnergy Systems, LLC

EliteEnergy Systems, LLC provides state-of-the-art, technology based, environmentally responsible demand response and Caterpillar engine driven ultra-clean combined heat and power solutions to commercial and industrial energy users across the majority of public and private industry sectors, including hospitality, retail, healthcare, manufacturing, education and government.



SunPower Corporation

SunPower Corporation designs, manufactures and delivers the planet's most powerful solar technology broadly available today. Residential, business, government and utility customers rely on the company's experience and proven results to maximize return on investment. With headquarters in San Jose, Calif., SunPower has offices in North America, Europe, Australia and Asia. For more information, visit www.sunpowercorp.com.



Functional Devices, Inc.

Functional Devices, Inc. has been manufacturing quality electronic devices in the United States since 1969. Our goal is to provide high quality products, the most reliable and economical solutions to the needs of our customers. Current product offerings include lighting controls, energy saving devices, relays, current sensors, power control, enclosures, power supplies, transformers, and accessories.



Greenworks Energy

Greenworks Energy is a full service provider of renewable energy solutions. We specialize in the design, installation, and maintenance of Solar PV systems for large commercial and municipal (ranging from 20-500 kilowatts). With over 40 years of energy storage business experience, our team emphasizes the continuous need for research, innovation and quality service for the clean tech industry.

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