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Existing Building Commissioning and Continuous Commissioning September 15, 2010

Come learn about Existing Building Commissioning and Continuous Commissioning.

Is it Art? Is it Science? Is it both! Does it require great listening skills? How much is building forensics?

We have created a great panel that will be presenting their views and approaches to accomplishing that task!

Mark Miller - Strategic Building Solutions is the past president of the building commissioning association (BCA). The BCA has by definition defined the difference between building commissioning and existing building commissioning. Mark will help us to understand that difference and give us an overview of what existing building commissioning is all about!

Paul Banks - B2Q Associates is an instructor for both the BCA and AEE in their building commissioning certification courses. Paul will show us a few case studies so we can understand the types of measures found in building commissioning.

The next two speakers Bill Gnerre - Interval Data Systems and Jim Lee - Cimetrics will be discussing some of the newest science in both continuous commissioning and automated fault diagnostics where through intelligent algorithms that diagnose a buildings automation they can find anomalies that lead to the proper tuning of a building.

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Doubletree Guest Suites Hotel

550 Winter Street - Exit 27B off Route 128 (I-95)

Waltham, MA

4:30 Open AEE Board Meeting

5:30 Registration and Networking

6:30 Dinner and Presentation

8:30 Close

Please register and pay on-line using PayPal at <http://aeenewengland.org>,
or email to: info@aeenewengland.org .

\$45.00 per person

Ask about our special rate for the unemployed job hunter

Disclaimer:

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2010-2011 AEE New England Chapter Future Meeting Topics (subject to change)

Date	Topic	Program Manager
Sept. 15th	Existing Building Commissioning	Karim Bibawi Jim Armstrong
Oct. 13th	Energy Efficiency Program Trends and Tax Incentives	Ron Gillooly
Nov. 3rd	Chapter Sponsors Night	Ron Gillooly Brian Crafts
Dec. 1st	CFO Night - Determining Business Value Building rating systems and Supply side management	Greg Snyder Karim Bibawi
Jan. (TBD)	Energy Outlook Forum	Rich Costello Steve Murphy Kathy Stanley
Feb. 2nd	Energy Awards/Success Stories Scholarship Night	Andy Coffin Nelson Medeiros Dan Wheatley
Mar. 2nd	Lighting	Jim Donnelly
Apr. 6th	VRV HVAC Systems	Jim Armstrong Rich Costello
May (TBD)	Site Tour - Location TBD	Fran Boucher
June (TBD)	11th Annual Golf Outing	Joe Hall Greg Snyder Jim Armstrong

Chapter Sponsors:

(for more detailed information visit our web page, www.aeenewengland.org)

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617-772-7500

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603-397-0142



Greetings – September 2010

My name is Brian Crafts and I have the privilege of serving as the Association of Energy Engineers New England Chapter President for the next two years. I certainly have big shoes to fill, as **Ron Gillooly** did such a superb job as our President since he took over in 2008. I promise to work hard with our exceptional Officers and Board of Directors in order to continue to bring first class programs and speakers to our monthly meetings. I hope to meet as many AEE New England Members as possible, and look forward to your input as to how we can continue to improve the quality of programs offered each year. I can be reached at bcrafts@fmc-technologies.com with any questions, comments, etc. and look forward to hearing from you.

Speaking of programs, in July we had our annual summer planning meeting, where we laid out the 2010-2011 program year. Based on your feedback through the member survey we conducted this summer, we have tried to “change up” some of our standard (but important) programs, such as “Utilities Night” and “Chapter Sponsors Night”, and have added a few brand new topics. Please check out the complete line-up in the “**Future Events**” section of this newsletter.

One item we discussed and approved over the summer is our new AEE New England logo. It was time for an update, and **Deb Murphy** did a great job coming up with this sleek new design. Look for more “facelifts” from AEE New England in the near future.

We will kick off our program year on September 15th with a presentation on existing building commissioning and software tools that assist with the commissioning process. Our speakers are **Mark Miller** of *Strategic Building Solutions*, **Paul Banks** of *B2Q Associates*, **Bill Gnerre** of *Interval Data Systems* and **Jim Lee** of *Cimetrics*. All of these men are not only experts in their field, but carry excellent speaking credentials as well. This is a meeting you will not want to miss! Please reserve early (and on-line if possible) as it helps us better coordinate with the hotel.

I would like to thank **Joe Hall** and the Golf committee for another fantastic Golf Outing they organized for us back in June.

Finally, do not forget that our Board of Directors meetings are held at 4:30, preceding our monthly program meetings. We encourage anyone who is interested to come and participate. We can always use more help to keep our New England Chapter the strongest in the country.

Thank you.

Brian Crafts
Chapter President

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603-598-0891

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781-828-6770

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Environmental Systems
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203-377-3525

Mass Maritime
Dr. James McDonald

Mitsubishi Electric HVAC
Susan Pickett, *Area Manager*
978-988-5771

National Grid
Ron Gillooly
781-907-1560

New England Window Systems
Russ Hadaya, *President*
617-269-6397

Job Announcement - Mechanical Energy Engineer

CDM is looking for a leader in energy engineering to help grow our practice in the northeast. We are looking for someone with a proven history of working with clients and leading the design of campus central utility plants, cogeneration plants, energy studies and system evaluation. You must be comfortable working with clients to help them come up with the optimum solution.

This position is located at the corporate headquarters in Cambridge, MA. CDM's client base includes many Fortune 100 companies, Municipalities, Universities, Airports, Hospitals and Industrials.

Your responsibilities with CDM will include:

- Lead the design for technically complex cogeneration, central plant and other energy related projects.
- Work with CDM's client groups as the technical expert to solve their energy related problems
- Prepare studies, conceptual designs and alternative analyses to demonstrate project feasibility.
- Help CDM's marketing group prepare winning proposals for competitive work, and represent CDM at the interview.
- Mentor the existing team of mechanical engineers to expand CDM's breadth of experience.

The minimum requirements of this position with CDM are:

- BSME with 20+ years of experience
- PE Required, LEED and CEM credentials desired
- Experience leading designs for central plants, cogeneration and other energy projects for industrial, municipal and institutional clients
- Experience leading mechanical engineering teams
- Experience working directly with clients to document project scope
- Ability to generate and understand P&ID's
- Familiar with NFPA Standards and Building Codes
- Must have excellent written and verbal communication skills
- MS office suite skills required

Interested applicants may apply at: <http://tinyurl.com/35sep7z2>

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Job Announcement - Senior Energy / Commissioning Engineer

RS&H, whose tradition began in 1941, is a facilities and infrastructure consulting firm whose client-centered program structure provides value-added solutions to clients around the world. Our firm is rapidly growing and is seeking intelligent, innovative, and forward thinking professionals at all levels to join our dynamic team.

RS&H's success is due in large part to the hard work and dedication of its associates. We recognize and reward the efforts of our associates by providing them an array of professional development opportunities and comprehensive compensation and benefits plans.

Nexamp

Karim Bibawi
978-688-2700

Northern Energy Services, Inc.

Paul A. Mallet, *President*
508-393-7500

NSTAR

Robert Di Giandomenico
339-987-8086

Optimum Energy

Tory Kempf, *Business Development Northeast*
617-454-1088

Parson Brinckerhoff

Bill Schlageter
617-960-5524

Prism Energy Services

Wendy A. Simmons, *President*
617-328-9896

Raytheon

Dave Chamberlain, *Principal Engineer*
339-645-8019

Reynolds, Smith and Hills, Inc.

John Gerrish, *Program Leader*
508-583-2091

RISE Engineering (Thielsch)

Rick Galipeau, *Director of Business Development*
800-422-5365

Sebesta Blomberg

Abbe Bjorklund, *Partner & Vice President*
781-721-3934

Siemens

Jim Armstrong
781-774-8360

Southern Air

Bill Veazie, *Vice President Treasurer*
617-268-4041

Suez Energy

Kristine Roback, *CEM*
617-261-8912

Tecogen

Jeffrey Glick, *Sales Manager*
781-466-6400

Tint King, Inc/Glass Energy Solutions

Brian King, *President*
978-670-2927

RS&H's Rankings on ENR's 2009 lists of top firms is as follows:

- Ranked #9 of Top 10 in Aerospace
- Ranked #143 of Top 150 Global Design Firms
- Ranked #81 of Top 500 Design Firms
- Ranked #47 of Top 200 in Building Design + Construction Building Team LEED APs

We are currently seeking a **Senior Energy / Commissioning Engineer** to serve in the **Energy Service Group** in our Boston office in Brockton, MA. The ideal candidate will be responsible for the firm's energy practice in the Northeast market and will work closely with clients, engineers, architects and subconsultants to ensure that their needs are met. This position will be responsible for utility-consumption and utility-rate (energy and water/sewer) analysis, facility audits, field surveys, re-commissioning, energy management training, energy and water conservation project identification, analysis, development and design; economic and life cycle cost analysis; evaluations of new and existing energy systems and comprehensive documentation. The ideal candidate will grow the Energy Service Group in the Boston office, RFP responses and client presentations.

Requirements

- * Professional registration required
- * Engineering degree from ABET approved school
- * Energy Manager certification by AEE or similar organization is required
- * A minimum of 10 years of experience in energy management and/or commissioning and re-commissioning
- * US Citizenship required
- * Prior management or supervisory experience required
- * Professional presentation skills and above average verbal and written communication skills
- * Good organization and time management skills
- * Ability to maintain strict confidentiality is required
- * Valid driver's license and ability to travel overnight

Preferred Qualifications

- * Experience with building energy modeling software (Trane Trace, Trane System Analyzer, DOE II, eQuest, etc.)
- * Leadership in Energy and Environmental Design (LEED) Accredited Professional, Commissioning Agent Certification
- * MS Excel, MS Word, MS ACCESS

When applying to this position, please include your salary requirements on your cover letter or resume. RS&H offers a competitive benefits and compensation package.

For a complete list of our current openings or for more information about our company, please see our website <http://www.rsandh.com>.

RS&H is an Equal Opportunity Employer

Trumbull Campbell Associates

Tom Trumbull
978-225-2045

Vanderweil

Charlie Kalasinsky, *Corporate Engineer*
617-423-7423

Watt Stopper

Don Munroe, *Sr. Regional Sales Manager*
508-336-3399

WPS Flack & Kurtz

Mark Warren, *Director of Facilities Engineering*
617-210-1600

Become a
Chapter Sponsor!

Contact **Ron Gillooly**
ronald.gillooly@us.ngrid.com
For More Information

Job Announcement - Nexamp, Inc. Seeking Energy Engineer

Position Summary

Nexamp is seeking an experienced Energy Engineer to support the technical aspects of our sales process, lead the delivery of Energy Management Services including, retro-commissioning, continuous commissioning and measurement & verification. Nexamp is an energy and carbon reduction systems integrator. We deliver a broad range of turnkey solutions that reduce energy consumption and carbon emissions for businesses, governments, and homeowners. We are seeking bright and enthusiastic professionals to join our highly motivated and effective team. For more information: www.nexamp.com.

Duties and Responsibilities

Responsible for the analysis and design of a full range of energy solutions, including, but not limited to:

- * Technical and financial evaluation of energy efficiency and energy management solutions.
- * Retro-commissioning studies including technical and financial evaluation of energy conservation measures and optimization of commercial HVAC and controls systems
- * Measurement & Verification services including M&V plan development, baseline development and energy savings reporting
- * Comprehensive energy audits of Nexamp commercial, institutional, and industrial clients to identify and develop energy reduction opportunities, as well as associated estimates of cost and energy savings.
- * Energy simulation modeling using off the shelf energy modeling software programs (e.g., DOE-2, eQuest) to quantify and prioritize potential energy and demand savings opportunities associated with energy efficiency measures.
- * Technical and engineering support of the sales process, including participation in sales meetings, proposal development, and feasibility studies.
- * Project management and/or technical and engineering support of Energy Management Services projects, including retro-commissioning, continuous commissioning and measurement&verification
- * Project management and/or technical and engineering support for advisory services projects, including energy benchmarking and development of Nexamp's Clean Energy Road Map.
- * Technical and engineering support for Nexamp internal product development.

Qualifications

Ideal candidate must be bright, enthusiastic, self-motivated, results-oriented, and a team player. The candidate should be a technical expert in building energy systems, and related design, implementation, operational, and cost issues. The candidate should possess strong customer communications skills, from both a sales and delivery of services standpoint. The candidate should be prepared for increased responsibility in a rapidly growing company.

Qualifications

- * 5+ years experience in HVAC systems, building control systems, energy efficiency, energy management, conservation, and facility operations.
- * 4 year degree in engineering or equivalent education/experience.
- * Certified Energy Manager (CEM) is a prerequisite; PE desirable.
- * Knowledge of energy-efficiency technologies with depth in HVAC and controls suitable to understand their practical application at client facilities, including the ability to develop cost and savings estimates for those technologies.
- * Excellent written and verbal communication skills, and proficiency with MS Word, Excel, and PowerPoint.
- * **Preferred Skills.** Financial modeling capabilities. Experience navigating utility energy efficiency programs. Utility billing and rate analysis experience. Certified Energy Auditor and LEED certification.

Compensation

Competitive pay and benefits

Please forward your cover letter, resume, and salary requirements to http://www.nexamp.com/job_form. No phone calls please.

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Upcoming Events From Outside Organizations (subject to change)

(Please visit our web page, www.aeenewengland.org, as events are added periodically)

ASHRAE Boston, AFE #33, AFE #37, and AFE #74: Membership Event

September 23, 2010, 5:30 PM - 8:30 PM **Boston, MA**

Location: Fenway Park, 4 Yawkey Way

Contact: Tom Wall 508-793-8877 twall@clarku.edu Cost: \$40

Websites: <http://www.ashraeboston.org/chapterupdates/calendar.html>

<http://www.afe.org/chapter33>

<http://www.afe.org/chapter74>

Massachusetts Technology Collaborative (MTC)

Programs for Business & Individuals

<http://masstech.org/>

Massachusetts Energy Efficiency Partnership (MEEP)

<http://www.maeep.org/>

The Green Roundtable

Location: 38 Chauncy St., 7th floor, **Boston, MA**

<http://www.nexusboston.org/>

Contact: 617-374-3740 events@greenroundtable.org

September 1, 2010, 12:30 PM – 1:30 PM

Topic: **Lunch and LEED: Become a LEED Green Associate**

Cost: free

September 2, 2010, 2:00 PM – 3:00 PM

Topic: **Webinar: A Primer on LEED & Green Project Management**

Cost: free

The Green Roundtable (continued)

September 10, 2010, 2:00 PM – 3:00 PM USGBC MA Chapter

Topic: **LEED 201 Core Concepts & Strategies Workshop**

Location: Sasaki Offices, 64 Pleasant Street, Watertown, MA 02472

Speakers: Nadav Malin and Andrew Zumwalt-Hathaway

Registration: <http://usgbcma.org/node/131>

Cost: \$325

September 16 (1), September 23 (2), and September 30 (3), 2010, 2:00 PM – 5:00 PM

Topic: **LEED Green Associate Exam Prep: Session 1, 2, and 3**

Cost: \$275 - \$395

Illuminating Engineering Society of North America New England (IES): Golf Outing

September 14, 2010, 8:00 AM **Bellingham, MA**

Location: New England Country Club, 180 Paine Street

Contact: Samantha Russem 617-921-7410 SRussem@nexamp.com Cost: \$125

Website: <http://www.iesnewengland.com>