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USGBC-LA Existing Buildings (EB) Subcommittee USGBC Greenbuild Conference 2009 EB Highlights

Prepared by: Kevin Devine & Drew Shula

Greenbuild 2009, Existing Buildings Presentations Highlights:

- How the LEED-EB Certification Process Transforms Building Operations
- Room-by-Room Energy Savings Approach
- Marquee Green Operations, LEED-EB Projects
- Stanford University's Long Term Energy Plan
- Existing Buildings, Opportunity for Development
- 3 Case Studies in Historic Preservation
- Risk Management and LEED
- Greening Main Street, Demystifying Green Building
- Will Sustainable Land Development be Achieved
- Integrated Project Delivery Enables Green Building
- Do Green Buildings Make Dollars and Sense for Investors
- LEED EB O&M, Revolution in Existing Buildings
- Need for Disaster Resistant Green Buildings
- The Green Lease Two Way Street

[Purchase the Greenbuild 2009 Conference Proceedings and Presentation Package.](#)

Daniele Aquino's Recommended Books and Publications:

- *Green Office Guide, Integrating LEED Into Your Leasing Process*, published by USGBC, 2009.
- *Green Building Retrofit & Renovation, Rapidly Expanding Market Opportunities through Existing Buildings*, published by McGraw Hill Construction, SmartMarket Report, 2009.
- *Greening Existing Buildings*, by Jerry Yudelson, published by McGraw Hill, 2010.
- *Retrofitting Office Buildings to be Green and Energy-Efficient*, published by Urban Land Institute, 2009.

Greenbuild New Product Highlights for Existing Buildings Retrofits:

- **E-mon** (Energy Monitoring Products) Submeters: www.emon.com. E-mon brought the first fully electronic kilowatt hour submeter to market. This product, the E-Mon D-Mon, quickly became the industry standard, making E-Mon the leader in the submetering market.
- **PowerLogic** Submeters: www.powerlogic.com. Including Square D Services – engineered solutions that are designed to increase safety, lower life cycle cost and maximize power system reliability. Also include, BACnet, short for Building Automation and Control Network, which is an open protocol developed by the building automation industry to facilitate more extensive integration of HVAC, lighting, security and other commercial building systems.



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- **CGC Group Hybrid Heat Pump System:** www.cgc-group.com. This unit operates its fan coil while heating and a water cooled DX unit while cooling. The compressor does not operate while in heating mode. The CGC Group Hybrid Heat Pump System conserves heat within the fluid loop instead of rejecting it to the atmosphere through a fluid cooler. This FreeHeat™ can then be used for various building heating requirements. FreeHeat™ is defined as the process of reclaiming the heat generated within a building to directly satisfy the heating needs of the building, without additional energy input.
- **Titus:** www.titus-hvac.com. Energy solutions products, flex right duct with gentle 90 degree elbow transition VAV Retrofit Terminal EVC series available in DDC, PNE (pneumatic), electric or analog. 100% Recycled Materials.
- **Lutron Dimmers:** www.Lutron.com. Save energy with an attractive control.
- **LEDTronics:** www.ledtronics.com. The future of light.
- **Novicomm:** www.novicomm.com. Manufactures sustainable lighting solutions with advanced LED technology, all in a variety of retrofit styles.
- **Lighting Control & Design:** www.lightingcontrols.com. Easy to use lighting controls for any situation. Includes Blue Box LT series, masters, slaves and switches into photocells, EMS, etc.
- **Cemrex:** www.cemtrex.com. Cemtrex's Green Demand Control Ventilation combines several proven technologies to provide maximum energy savings and maximum comfort simultaneously. Using ventilation control by Green DCV achieves energy savings by precisely controlling the flow of outside air into a building based upon occupancy levels. This is done by continuous multiple parameter monitoring of CO₂, non-human generated pollutants, and other comfort related factors simultaneously in several zones in a multiplexed commercial building. Green DCV incorporates economizers into its design as well to provide efficient energy consumption while reducing unnecessary expenses.