

Data Center Building Blocks for Efficiency and Reliability SEMINAR: 2013



A whole new set of buzzwords have attached to data centers over the past couple years – modular, containerized, productized, standard, pre-engineered. All created in an attempt to productize data centers. The problem, however, is how do you accommodate that one square peg - that side breathing switch, that 30kW rack, that odd-sized proprietary storage cabinet, that mixed voltage rack? Earn BICSI credits and knowledge while learning the latest state-of-the-art developments in precision cooling, airflow management, power distribution and protection and reveal the building blocks to realizing the deployment speed and reliability of pre-engineered modularity without sacrificing flexibility.



Join Us for a Free Data Center Seminar Near You

Los Angeles	Tuesday, April 2
Phoenix	Thursday, April 4
Denver	Tuesday, May 7
Dallas	Thursday, May 9
New York	Tuesday, June 11
Chicago	Thursday, June 13
Boston	Tuesday, September 24
Washington D.C.	Thursday, September 26
Atlanta	Thursday, October 10
Seattle	Tuesday, November 5
San Francisco	Thursday, November 7

Register now online for this complimentary seminar! [Click here.](#)

The Foundation: Cabinet and Containment Airflow Management

- Why containment
- Benefits of airflow containment
- Elements of containment
- Containment variations
- Containment deployment considerations

The IT Works Solution

- Example of pre-engineered modular data center Pod

Modularity in Data Centers

- Definitions of modular data center
- Values of modular data center

GE Critical Power Solutions

- Elements of power reliability requirements for IT equipment
- The smart grid and impact on IT reliability and availability
- Double conversion UPS and high efficiency mode operation

Optimizing the Reliability and Efficiency of POD Cooling

- Row and perimeter cooling equipment for POD applications
- Enhancing the reliability and efficiency of cooling equipment
 - ASHRAE TC9.9: benefits of hotter return air
 - ASHRAE 90.1: benefits of water side economizers
 - Controls: benefits of matching cooling to IT load

The Benefits of Overhead Power Distribution in Mission Critical Facilities

- Versatility and increased reliability of overhead power distribution
- Example power distribution layout and design considerations
- Current monitoring trends



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