

# Data Center Power & Cooling Efficiency Seminar: 2012

Designing and managing an efficient data center is not always about having the right parts – it's about having the right tools for the job. Earn the credits and knowledge you'll need to reduce cooling costs, manage airflow and deploy power for mission critical systems by attending the Data Center Power & Cooling Efficiency Seminar. Through real world examples and discussions conducted by some of the industry's leading innovators, attendees will leave with a comprehensive understanding of the strategies and solutions it takes to run a truly efficient data center.



In one day, attendees will experience in-depth learning opportunities that result in a comprehensive understanding of the following trends and concepts:

## The Economics of Air Flow Management

- Merits and comparisons among the three styles of containment
- High density capabilities achievable through containment
- Operational efficiency benefits of containment and a roadmap for calculating ROI

## Benefits of Overhead Power Distribution in Mission Critical Applications

- Versatility and increased reliability of overhead power distribution
- Monitoring for end feeds and branch circuits

## Cabling High Port-Count Switches in the Data Center

- Problems and solutions associated with high port switch cabling
- Role of high port switches in logical architecture

## Data Center Air and Cable Distribution

- Comparative advantages and disadvantages of optimal under-floor cabling versus overhead cabling
- How static regain can move air dependably and uniformly throughout the plenum space

## Using Airflow Simulation to Meet Cooling Challenges (Not Available in Calgary)

- Familiarity with Computational Fluid Dynamics (CFD) technique
- How airflow simulation can be used to design highly efficient (green) data centers

## NEW! Additional topics added to Calgary Seminar

### Direct Contact Liquid Cooling Technology (Calgary Only)

- A fundamental overview of direct contact liquid cooling
- Differences between open- and closed-loop liquid cooling solutions
- Advantages of direct contact liquid cooling over traditional thermal management solutions

### A Crowd in the Cloud – the Next Frontier for Data Centers (Calgary Only)

- Cloud characteristics and how they are changing data center designs
- The new landscape and technology solutions being created from developing cloud trends
- Social awareness of technology and the industry's behavioral change



CORNING

Interstitial Systems

Speakers will be from Chatsworth Products, Inc., Innovative Research, Universal Electric, Corning, Logicalis, CoolIT and Interstitial Systems



Use the #CPIseminar hashtag to tweet before, during and after seminars with feedback, suggestions & more.

www.chatsworth.com or techsupport@chatsworth.com 800-834-4969

©2012 Chatsworth Products, Inc. All rights reserved. Rev.2 4/2012



Toronto Tuesday, June 5  
Ottawa Thursday, June 7  
Calgary Tuesday, June 12

Register online for the complimentary seminar at:  
[www.chatsworth.com/data-center-seminar-canada](http://www.chatsworth.com/data-center-seminar-canada)



CHATSWORTH PRODUCTS, INC.

Optimize.  
Store.  
Secure.