

Critical Facilities Round Table (CFRT)

High Density Data Center (HDDC) Committee Meeting

Dear Members and Guests,

The 6th quarterly HDDC Committee Meeting will take place on April 22, 2005 between 8:30 a.m. and noon. Our host is Johnson Controls Inc. Please join us to hear how advanced controls technologies can be harnessed to provide better environmental outcomes in high density data centers. Our host's premise is that the promise of high density computing—flexibility, scalability, and efficiency—can only be realized if the environment is effectively monitored, analyzed, and optimized.

Johnson Controls will discuss how the combination of their existing data collection and analysis technologies, when coupled with their new wireless backbone, offers a new and cost-effective solution to the dilemma of how to make use of the massive amounts of information that a high density data center typically generates.

The meeting will take place at the Crowne Plaza San Francisco International Airport, 1177 Airport Blvd, Burlingame, CA 94010. From 101, take the Broadway/Airport Blvd (Burlingame) exit and go east ½ miles to the hotel. Ask the front desk for meeting room.

AGENDA

8:30 a.m.

Continental Breakfast.

Thanks to Johnson Controls for providing today's continental breakfast.

9:00 a.m.

HDDC Committee business.

Dr. Magnus K. Herrlin and Mr. Bruce Myatt

- Summary of last HDDC meeting at Liebert Corporation
- Meeting Minutes
- Future HDDC programs
- Summary of last CFRT meeting at Sun Microsystems
- Summary of future CFRT programs

9:30 a.m.

High Density Data Centers—The Big Picture

Dr. Magnus K. Herrlin
Chair HDDC
Principal
ANCIS Incorporated

Magnus will highlight some of the prerequisites for understanding the physical mission critical environment. This will be a 30 minute journey from the microchip → the circuit board → the equipment "box" → the equipment rack → the data center room → the cooling system and → the control and monitoring system.

10:00 a.m. Enabling the Wireless Utility

Mr. Hugh Hudson
Director, Wireless Solutions
Johnson Controls, Inc.

Wireless technologies can help make building operations more efficient. The enabler of these benefits is a wireless utility, soon to become as ubiquitous in buildings as heating, cooling, telephone, plumbing, and electricity. A wireless utility is a building infrastructure that helps bring order, structure, and robust performance to what otherwise could become a clutter of wireless devices. A wireless utility is a facility-based, engineered, broad-band, shared infrastructure. Reliability, quality, flexibility, interference, and security issues in data center environments will be addressed.

10:45 a.m. A Strategic Approach to Critical Environments

Mr. John W. Sawyer
Director of Mission Critical Facility Services
Johnson Controls, Inc.

By treating critical facility cooling equipment as a functional whole, they can maximize energy efficiency, detect and correct equipment problems early, and so ensure reliable network performance at the lowest possible cost. Operating outside manufacturers' specifications can decrease mean time between failures in servers and other data storage and communication devices. The development of a critical facilities control strategy will be discussed as well as strategic methods of gathering and reporting information about the computer room environment.

11:30 Discussions

12:00 Adjournment

Hope to see you there!

Dr. Magnus K. Herrlin
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Plan to attend? Please email:

Mr. James Alvers
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