

# Critical Facilities Round Table (CFRT)

## High Density Data Center (HDDC) Committee Meeting

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Dear Members and Guests,

The 5<sup>th</sup> quarterly HDDC Committee Meeting will take place on December 1, 2004 between 8:30 a.m. and noon. Our host this time is Liebert Corporation. Please join us to hear about present and future products that will help cool your most challenging mission critical environments.

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 conference room.

### AGENDA

**8:30 a.m.**

**Continental Breakfast.**

Thanks to Liebert for providing today's continental breakfast.

**9:00 a.m.**

**HDDC Committee business.**

Dr. Magnus K. Herrlin and Mr. Bruce Myatt

- Summary of last meeting at AMD
- Meeting Minutes
- Future Programs
- Summary of last CFRT meeting at Equinix
- Summary of future CFRT programs

**9:30 a.m.**

**Introducing the Rack Cooling Index (RCI)**

Dr. Magnus K. Herrlin  
Principal  
ANCIS Incorporated

Magnus will summarize a new index for understanding how well your mission critical environments are cooled. The Rack Cooling Index (RCI) is designed to be a measure of how effectively equipment racks are cooled and maintained within industry thermal guidelines and standards. The index has the capacity to help evaluate the equipment room health for managing existing environments or designing new environments.

**10:00 a.m.**

**The New Data Center Cooling Paradigm - The Tiered Approach**

Lennart Stahl  
Sr. Product Manager  
Liebert Corporation

Traditionally, data centers have utilized a room-scale approach to cooling. However, as rack heat densities rise, they are taking traditional room-based approaches beyond their practical capacity and forcing new approaches to data center cooling. This presentation will address the impact of current and expected heat densities on data center cooling systems and review various approaches to dealing with this issue that have been employed. It will also present a new approach that is gaining acceptance, which takes a tiered approach to cooling: room, zone, and rack. It will show how these tiers can be applied independently and how the tiers can be balanced to achieve a more efficient, cost-effective, and scalable approach to data center cooling.

**11:00 a.m. Future Cooling Solutions – New Products**

Lennart Stahl and David Toralez  
Liebert Corporation

Curious? Please come and be one of the first to know!

**11:30 Discussions**

**12:00 Adjournment**

Hope to see you there!

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

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