

Critical Facilities Roundtable (CFRT)

High Density Data Center (HDDC) Committee Meeting Minutes

Hello HDDC Committee members and friends,

Thank you for joining us at for the 5th quarterly HDDC meeting.

Meeting Minutes for the “High Density Data Center Committee” of the CFRT

Meeting Date: 12/01/2004, 8:30 AM

Hosted by: Liebert Corporation, thanks to Lennart Stahl

Introduction:

Bruce Myatt and Magnus Herrlin opened the meeting welcoming attendees and reviewing the last meeting at AMD. This meeting marks the beginning of the second year for the HDDC. Bruce recapped HDDC's first year meetings at HP, Oracle, Intel as well as AMD. The next meeting is currently planned as a roundtable with cooling equipment vendors. In addition, a website is planned for HDDC. The HDDC looks forward to sharing and developing best practices for data center design and upgrades, per its charter.

Presentations:

Introducing the Rack Cooling Index (RCI)

Dr. Magnus Herrlin
Principal
ANCIS Incorporated

Magnus summarized a new index for understanding how well your mission critical environments are cooled. One number, RCI, can be used to easily compare cooling effectiveness between different configurations of newly designed as well as existing environments in data centers. RCI is tied to AHSRAE standards. It allows both computer modeling as well as traditional measurements, is portable between platforms, is easily understood and expressed as a percentage. Details will be published in 2005 by ASHRAE.

New Data Center Cooling Paradigm- The Tiered Approach

Mr. Lennart Stahl
Sr. Project Manager, Liebert Corporation

Lennart discussed both the traditional room-scale approaches to cooling as well as a new tiered-base approach. The tiered-based approach utilizes 3 tiers: room, zone and rack. By addressing these tiers independently, they can be balanced to achieve a more efficient, cost-effective and scalable approach to data center cooling. Please see attached presentation for details.

Future Cooling Solutions –New Products

David Toralez
Liebert Corporation

David discussed Liebert's new DS and XDE cooling products

Adjournment 11:45AM

We look forward to your participation at our next event. Happy Holidays!