

Ralf Waldt - Adapt Cabinet to Crate Cooling

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Efficient cooling of the Electronics in a MicroTCA crate requires evaluating many different parameters. The heat path starts at the hot spots on the AMC modules and ends up in the environmental air, sometimes even outside the building. Cooling efficiency of the MicroTCA crate is as important as the thermals inside the rack containing different heat exhausting units. All these elements have to be taken into consideration when defining the application and have to fit together for an optimized cooling solution. This presentation shows various thermal concepts and how they match to the installed MTCA.4 crates.

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