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UNLOCKING THE POWER OF COOLING

Next Gen Cooling

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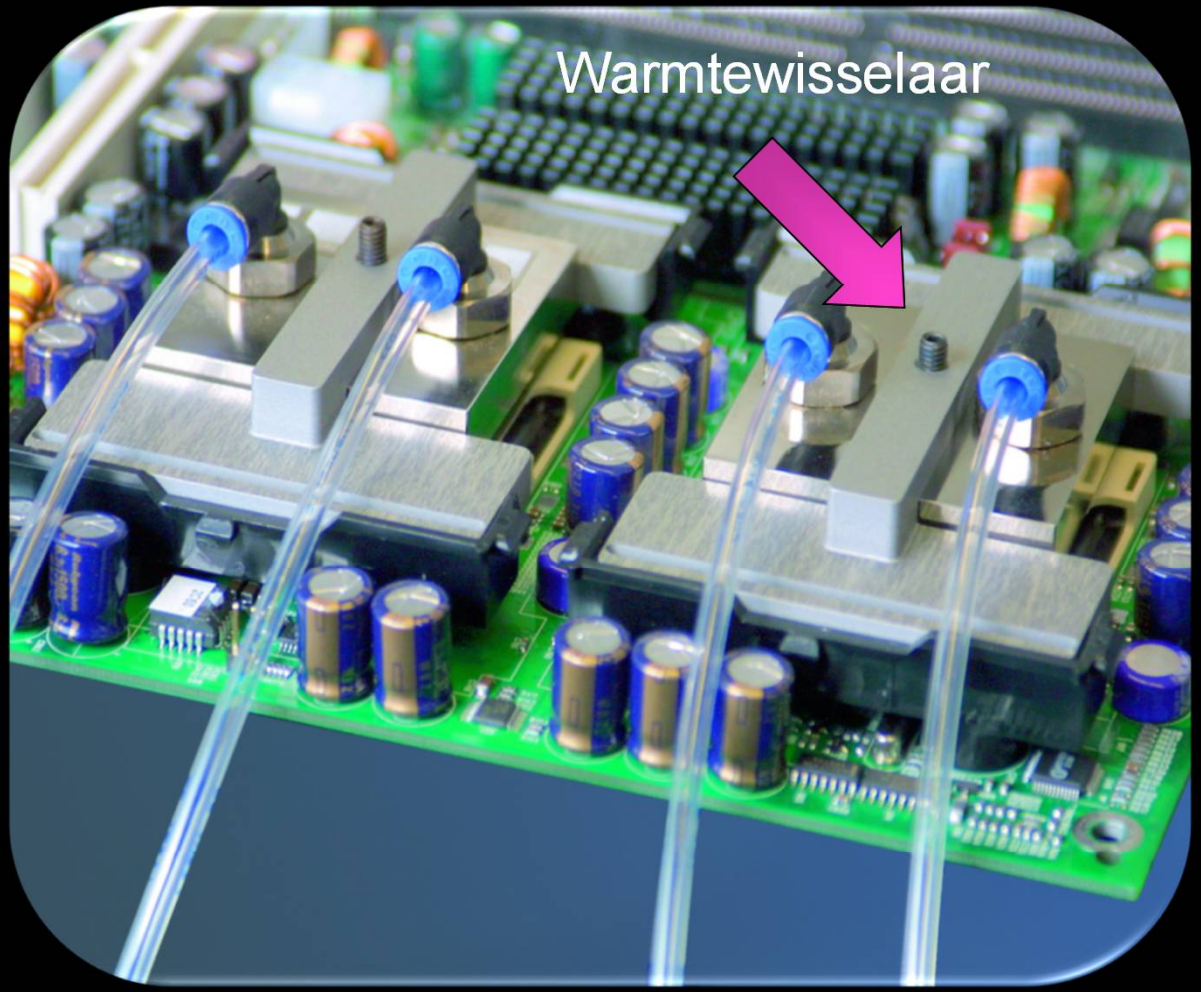
FRIEDHELM LOH GROUP

Marcel Pol, Director Business unit IT @ RITTAL BV

Rittal CPU thermal management in 2004!

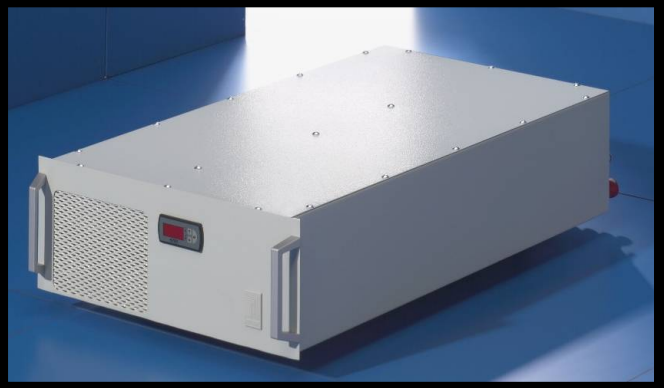


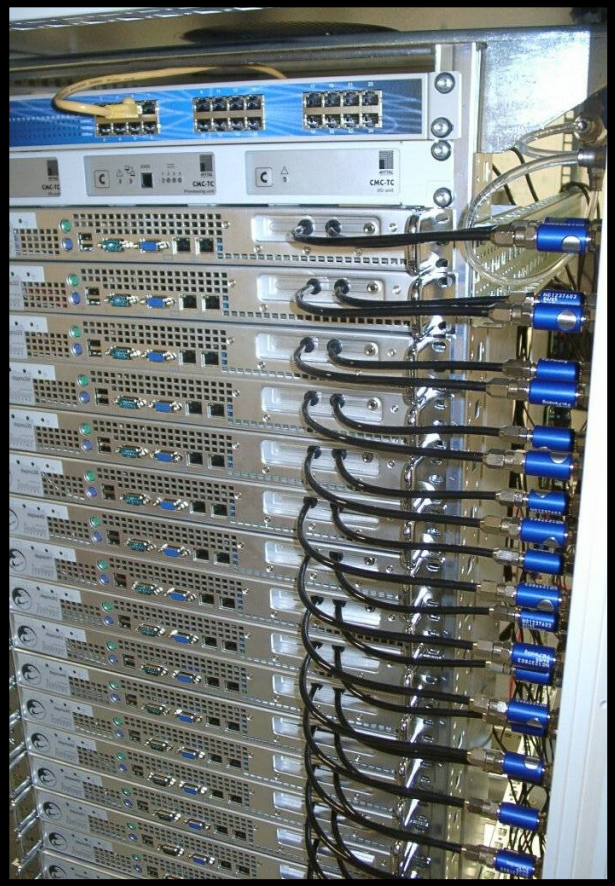
Vloeistofkoeling CPU:
19“- mini chiller

- Inbouw in het 19”-niveau van het IT rack
- Koelvermogen 1000 W
- Verlies vrije snelkoppelingen
- Automatische ontluchting
- Alarmrelais

I.c.m. Watergekoeld hoogrendement systeem:

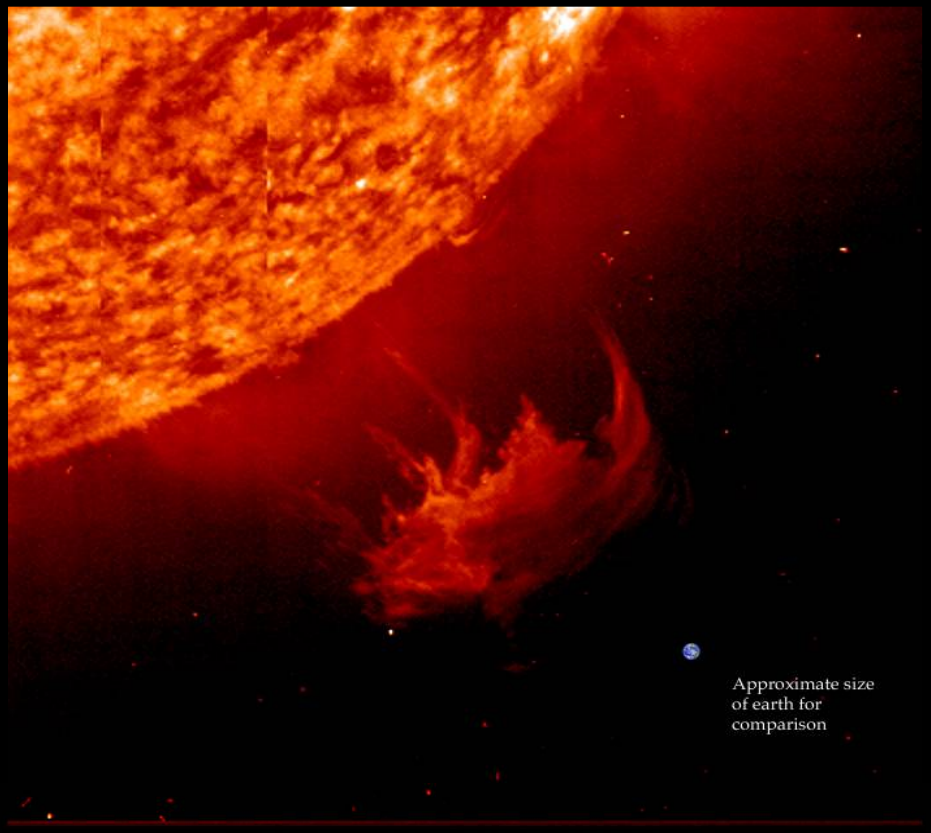
- CPU-vloeistofkoeling
- Lucht/water-warmtewisselaar
- Vloeistofkoeler met 2 circuits
- Watertank
- Radiator
- 70 Intel Xeon processoren
- (ca. 11 kW warmte afgifte)



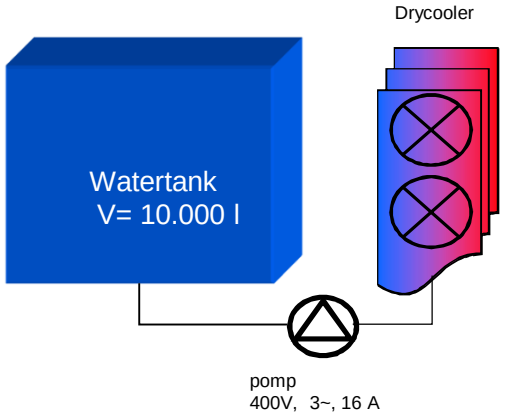


Vloeistofkoeling CPU DOT Project Universiteit Utrecht

Dutch Open Telescope project: analyse verbranding van de zon.

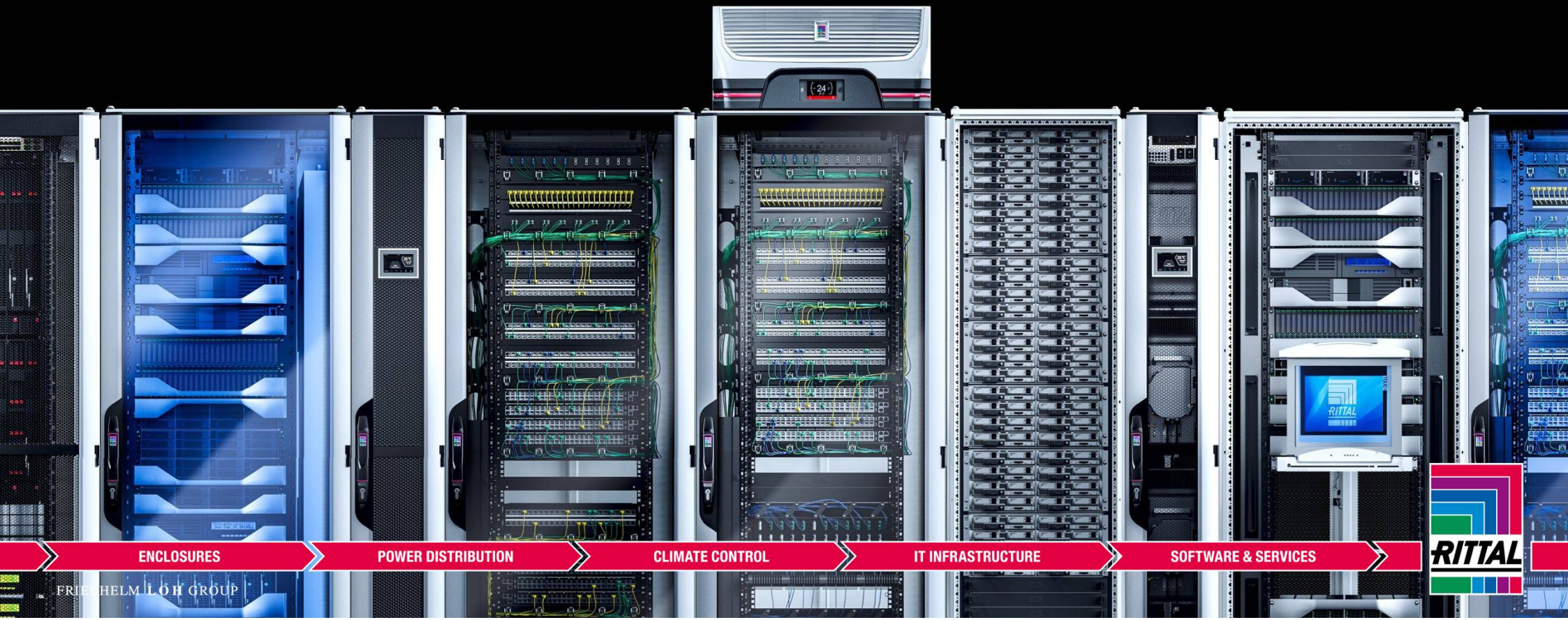


Tijdelijke opslag warmte
in watertank



In 2004 waren we “iets” te vroeg voor toepassing processor koeling in een bredere markt.

Kort daarna introduceert RITTAL als eerste de gesloten LCP rack- en rijkoeling als tegenhanger van ruimtekoeling bij kleine installaties.



2022: Rittal en strategisch partner

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Shahar Belkin: Executive Vice President

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