

Efficient and space-saving cooling for high-density colocation

Datacenter Forum, Oslo Weiss Technik – Air Solutions





Unstoppable trend towards high-density racks.

The challenge of data center cooling

- DC market is moving towards 20+ kW per rack
- Liquid cooling becomes essential for dedicated
 Al cluster up to 100 kW and more

Is there an air cooling solution that can bridge up to 50 kW per rack?

- Physically separated from IT infrastructure
- Space saving on the footprint
- Energy efficient



Mature technology. Great proficiency.

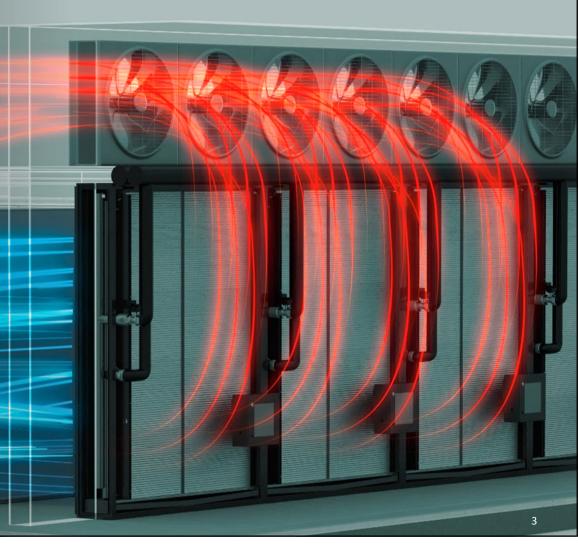
The challenge of data center cooling

Cooling wall system

Built-in solution that maximizes cooling potential

- Utilizing almost the entire room height/width
- Transforming service corridor into a walk-in cooling chamber
 - Enlarged coil and filter surfaces
 - Reduced internal pressure losses
 - Minimized floor space requirement

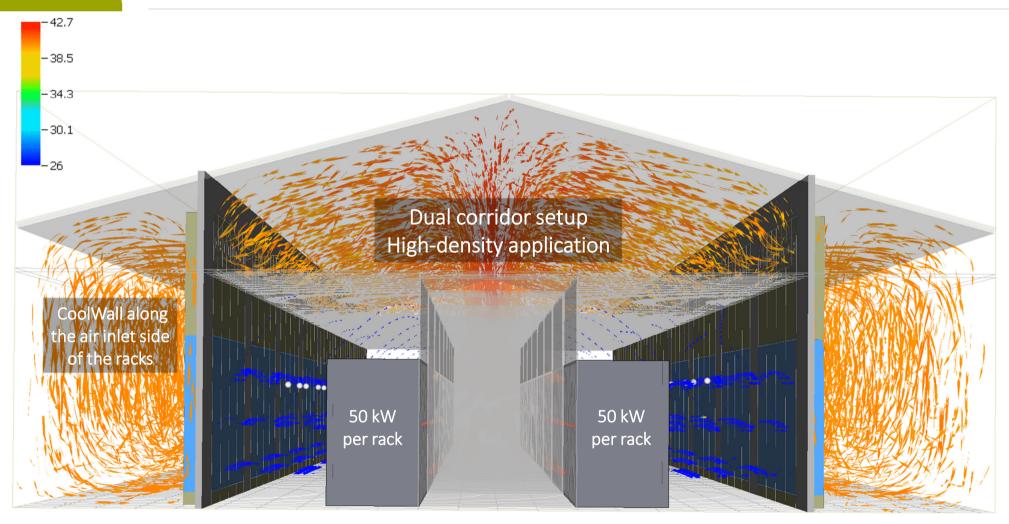
Best-of-class room-based air cooling – highest capacity per footprint and minimal power consumption!





Dual-corridor solution for AI driven colocation.

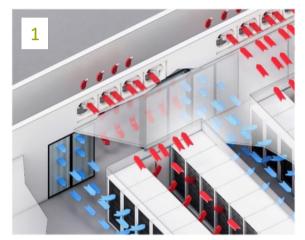
Vindur® CoolW@II® – hot aisle version

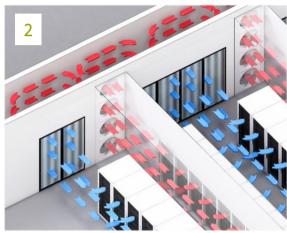


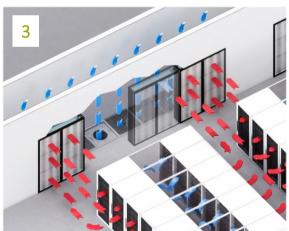


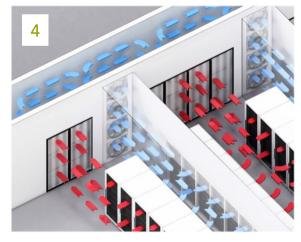
Flexibly adaptable to individual data center requirements.

Vindur® CoolW@ll® – various versions









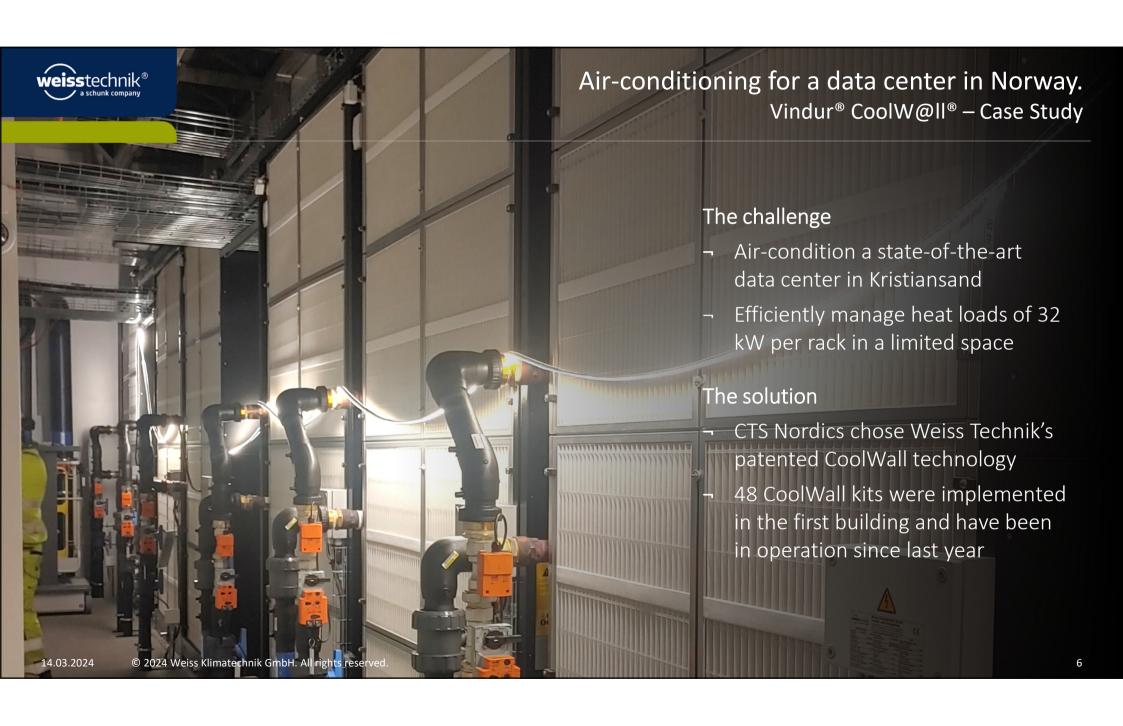
Can be used with a hot or cold aisle containment and adapted to individual room heights.

Hot aisle

- 1. with return air ceiling
- 2. without air plenum

Cold aisle

- with raised floor
- 4. without air plenum







Air conditioning for optimum conditions.

Application examples

We are specialists for Clean Air Solutions and Thermal Management.



Operating rooms

Mediclean® OR clean air canopy to protect patients and OR staff



Clean rooms

Cleanroom components and complete cleanrooms according to international standards



Indoor Farming

Vindur® Compact for Controlledenvironment agriculture



IT air conditioning

Vindur * CoolW@II* for efficient cooling of data centers



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