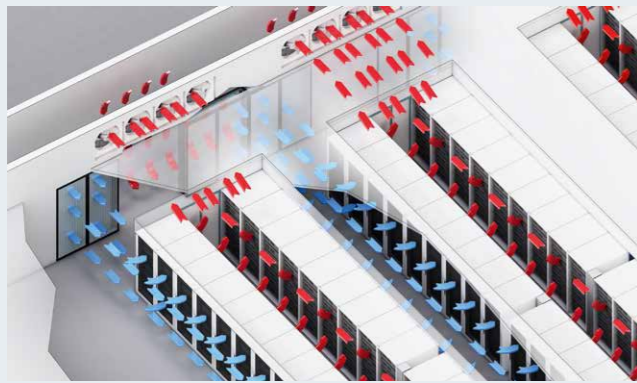


Vindur[®] CoolW@ll

The optimal solution for
high-density applications.

Mastering the challenges of data centre cooling. Space-saving, efficient, flexible.

In the world of data centres, operators continuously face the dilemma of how to ensure efficient cooling without sacrificing valuable space for bulky air-conditioning units. The constant heat generation by IT equipment requires innovative solutions to prevent overheating and maximise operational efficiency.

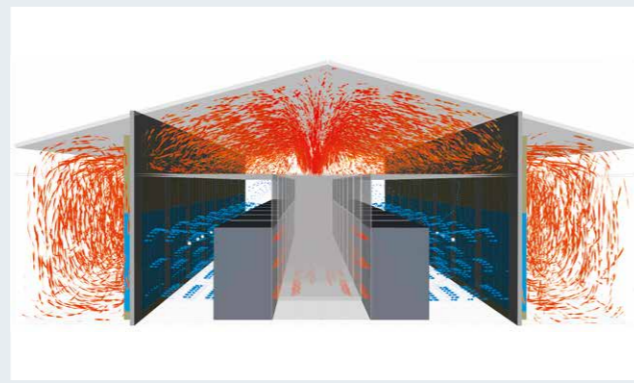


Hot aisle with return air ceiling

Your benefits.

- **Space-saving**
At least 50% smaller service corridors required compared to air-handling units, creates more usable space in the white space area and can be easily transported and integrated.
- **Efficient**
Provides 30% additional cooling capacity and reduces energy costs by up to 25% for optimised cooling performance.
- **Flexible**
Future-proof, since it can be used as a hot or cold aisle solution and is adaptable to individual data centre requirements like room heights and geometries.
- **Cost-effective**
Lower investment costs due to standardised individual elements without housing. Reduction of operating costs through energy savings.

Vindur CoolW@ll is a built-in solution that optimises data centre cooling through high energy efficiency and space savings. Through integration into partition walls, its adaptability and scalability support future technology upgrades and make it a future-oriented cooling solution.



CFD analysis of a dual-corridor solution

Application examples.

- **Hyperscale data centres**
High airflow rates and cooling power per footprint with low fan power consumption at the same time.
- **Colocation environments**
Room-based cooling solution with physical separation from IT infrastructure.

Our highlights:

- Right product for AI-driven high-density data centres
- Capacities up to 50 kW/rack
- Providing CFD analyses to assist in design

Mature technology. Great proficiency. The operating concept of Vindur CoolW@ll.

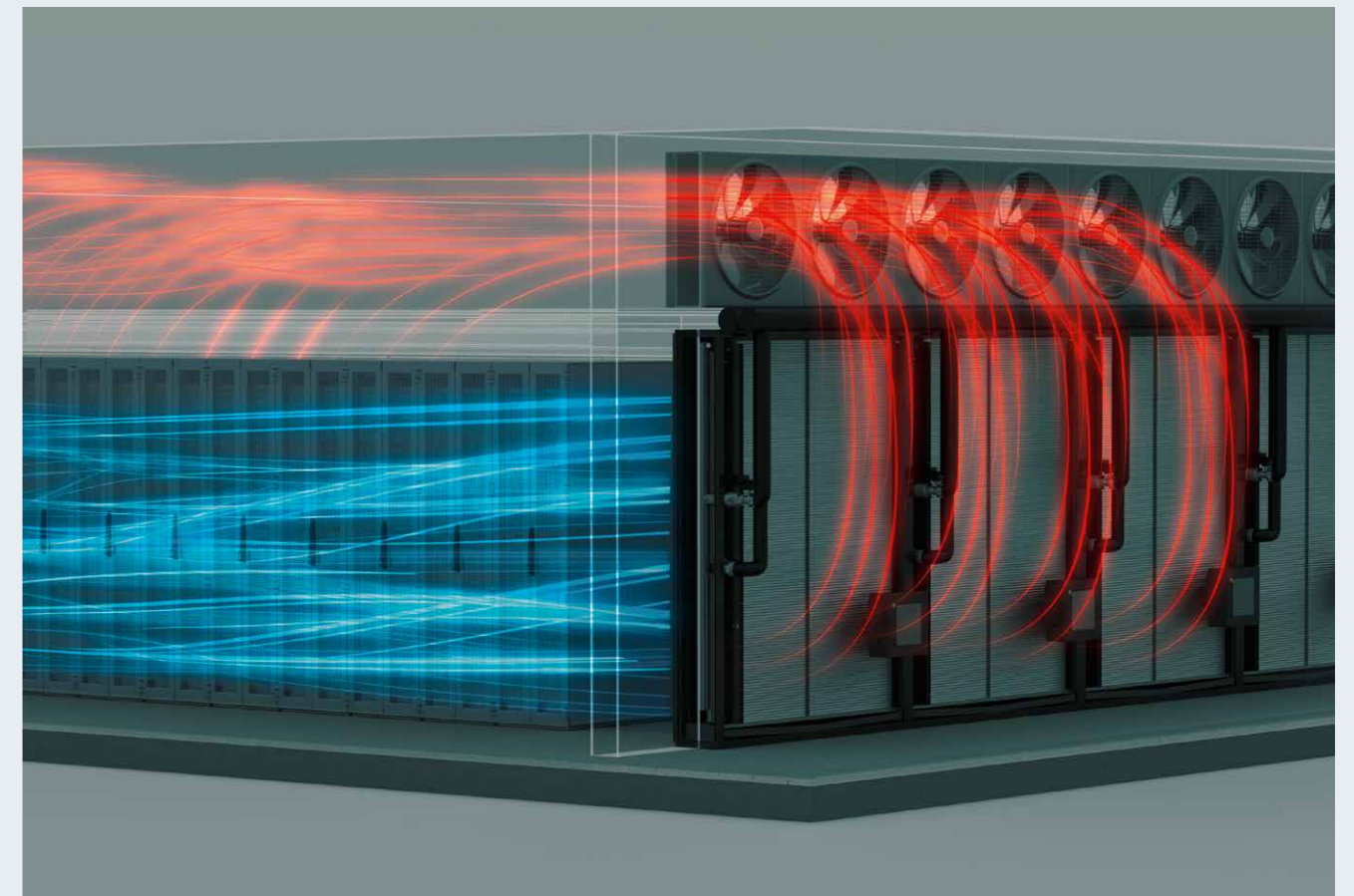
Proven principle. New thinking.

Our innovative product Vindur CoolW@ll operates like a recirculating air-conditioning system. It uses fans to circulate air and a heat exchanger to cool it. Unlike traditional air-conditioning units that rely solely on internal heat exchanger surfaces, our product maximises cooling potential by utilising nearly the entire height and width of the IT room. This effectively transforms the maintenance corridor into a walk-in cooling chamber.

It works this simple.

The hot aisle layout without raised floors effectively separates hot and cold airflows, increasing cooling efficiency and energy savings. It enables a more simplified temperature control and reduces the risk of hotspots. This system optimises the use of cooling resources, reduces operating costs and supports a more sustainable operation.

Discover the unique benefits live!
Scan here for the web special.



We measure ourselves by our service.

We think and act collaboratively service-oriented. With our service teams, we offer sustainable solutions for long-term safe system operation.



Our services – lots of good reasons:

- Global service network
- Wide range of preventive maintenance
- Reliable spare part supply
- Special deployments available any time
- Certified proper disposal of outdated devices

Our Service Experts are always near you.

24/7-Service-Helpline:
+49 6408 84-74

Need a little more?

Air-conditioning solutions for specific requirements.

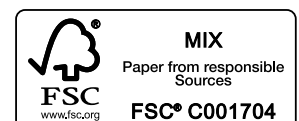
Cool minds in many IT and telecommunication companies worldwide choose the innovative air-conditioning units and systems made by Weiss Technik. Wherever there are very special climatic requirements, we develop energy-efficient, high-performance and customer-specific systems for cooling data centres and server rooms. From planning and production to assembly and maintenance. Keeping your computers cool even when things get hot. Get in touch with us!

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learn more.



Passion for Climate.