



Sustainable cooling for AI

Air Cooling Units

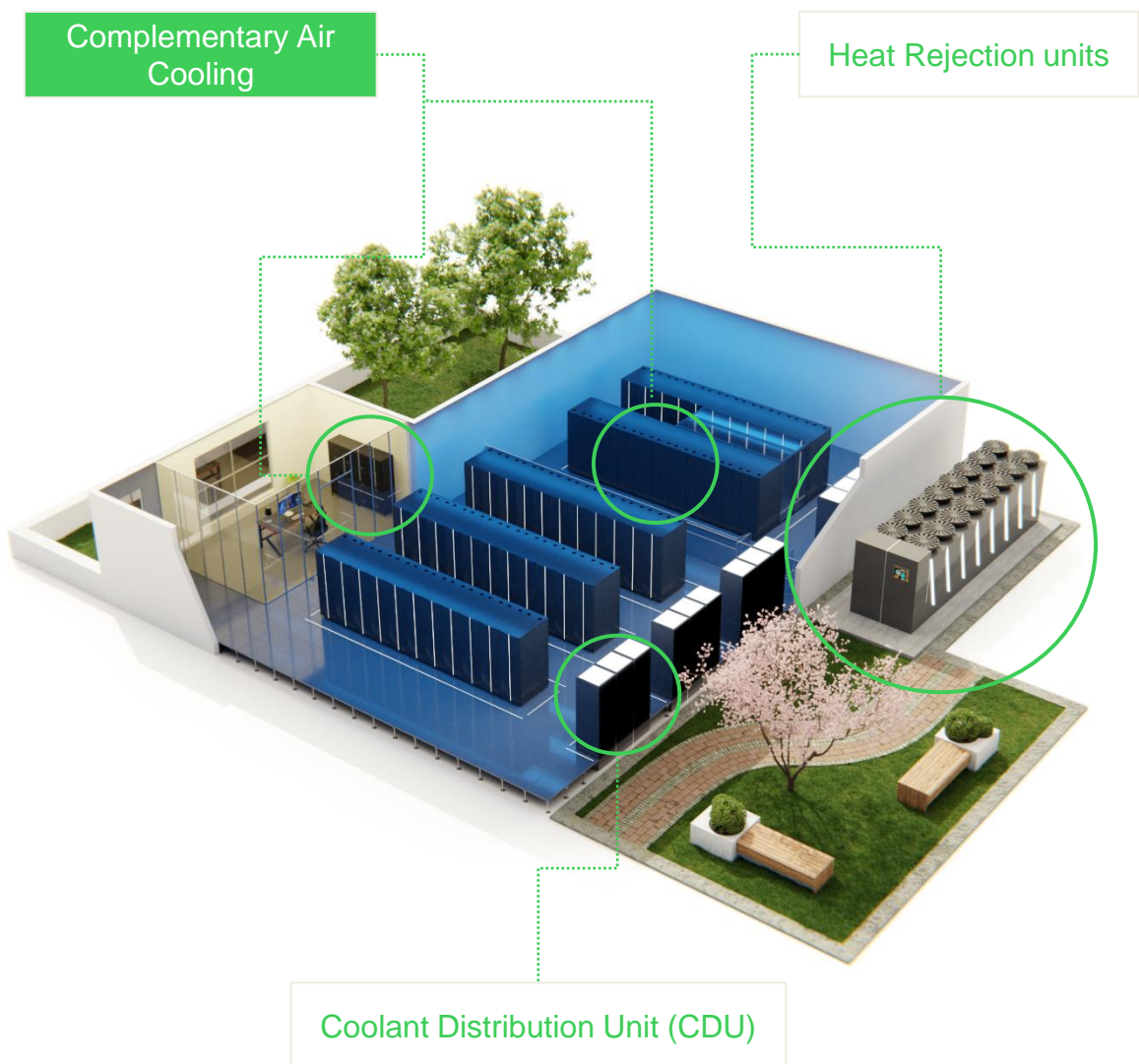


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Liquid Cooling as a game changer

Multiple Liquid Cooling solutions for each application

Liquid cooling requires an innovative, end-to-end, but agnostic approach. From white space to heat rejection, our complete and broad cooling portfolio supports you in the next challenges with liquid cooling.



Air Cooling Units

Liquid Cooling and Artificial Intelligence complement, not replace air-cooling units.

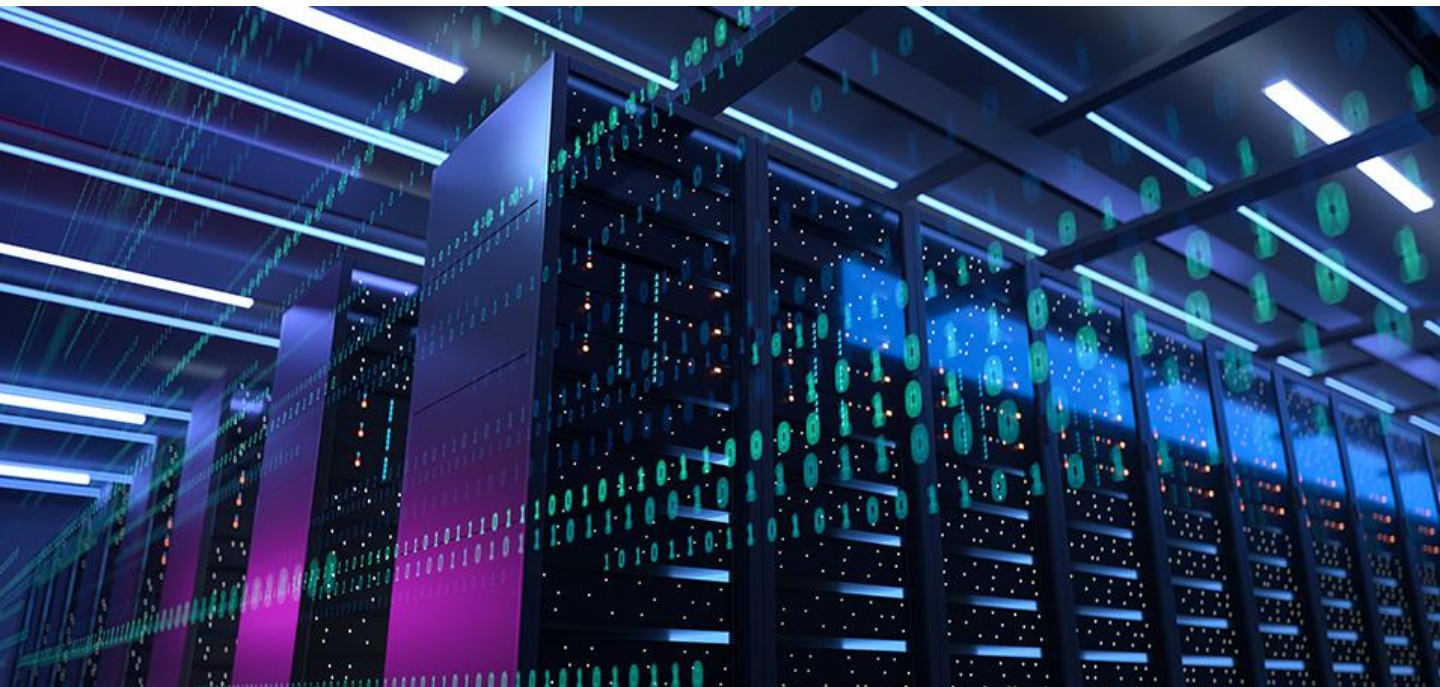
Handling up to 80% of the heat load with immersion cooling, Liquid Cooling and AI significantly reduce the burden on conventional systems, allowing them to operate more efficiently.

Additionally, the market for conventional air-cooled systems remains healthy and is projected to grow at a double-digit rate by next years.

Maximizing the data center liquid cooling implementation — in terms of the percent of the IT load cooled by liquid — delivers the highest efficiency.

With direct-to-chip cooling, it isn't possible to cool the entire load with liquid, but approximately 80% of the load can be effectively cooled by direct-to-chip liquid cooling.

Boost cooling power with our chilled water and direct expansion units – perfect for auxiliary rooms or supplementing liquid cooling systems.



SERVICE

The ease of maintenance is a **fundamental factor in reducing operating costs and avoiding downtime**



FLEXIBLE

Cooling systems that can be **implemented over time** and that **adapts automatically to the load conditions** of the room



GREEN

Green refrigerant and high efficiency in order to decarbonize Data Centers



COMPACT

Compact solution ready to make continuous cooling and allow to save space in high-tech environment

Benefits of Air Cooling Units

Facility Heat Rejection units specifically designed for data centers accepted the liquid cooling challenge. High efficiency and extreme flexibility bring our services ready for tailor-made solutions for our customers.



FLEXIBILITY

Design on wide white space types



SUSTAINABILITY

High water temperatures minimize pPUE; Green refrigerant



FUTURE-PROOF

Support transition from air to liquid and from low to high densities



Direct Expansion Units



- | | |
|--|---|
| 1 Integrated user interface | 6 High efficiency air filters |
| 2 EC fans (Modbus connected) | 7 R410A or R454B refrigerant |
| 3 Air flow control kit | 8 On/off or VSD multi-refrigerant compressor |
| 4 Large surface evaporator coil | 9 Energy meter |
| 5 High efficiency air filters | 10 Electrical heaters |

Chilled Water Units



- 1 Integrated user interface
- 2 EC fans (Modbus connected)
- 3 Air flow control kit
- 4 Chilled water coil for high temperatures
- 5 High efficiency air filters
- 6 Chilled water valve
- 7 Single or dual power supply
- 8 Top return hot air

The background of the image is a server room. It features rows of server racks with various components and cables. The lighting is a mix of cool blue and vibrant green, creating a futuristic and high-tech atmosphere. The perspective is slightly angled, showing the depth of the server aisles.

LIQUID COOLING adds
some complexity and
challenges

Schneider Electric's complete
solution simplifies design and
supports the transition

Life Is On



To learn more about Uniflair Room Cooling Solutions contact your Schneider Electric representative or visit se.com/cooling

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