

Sustainable cooling for AI

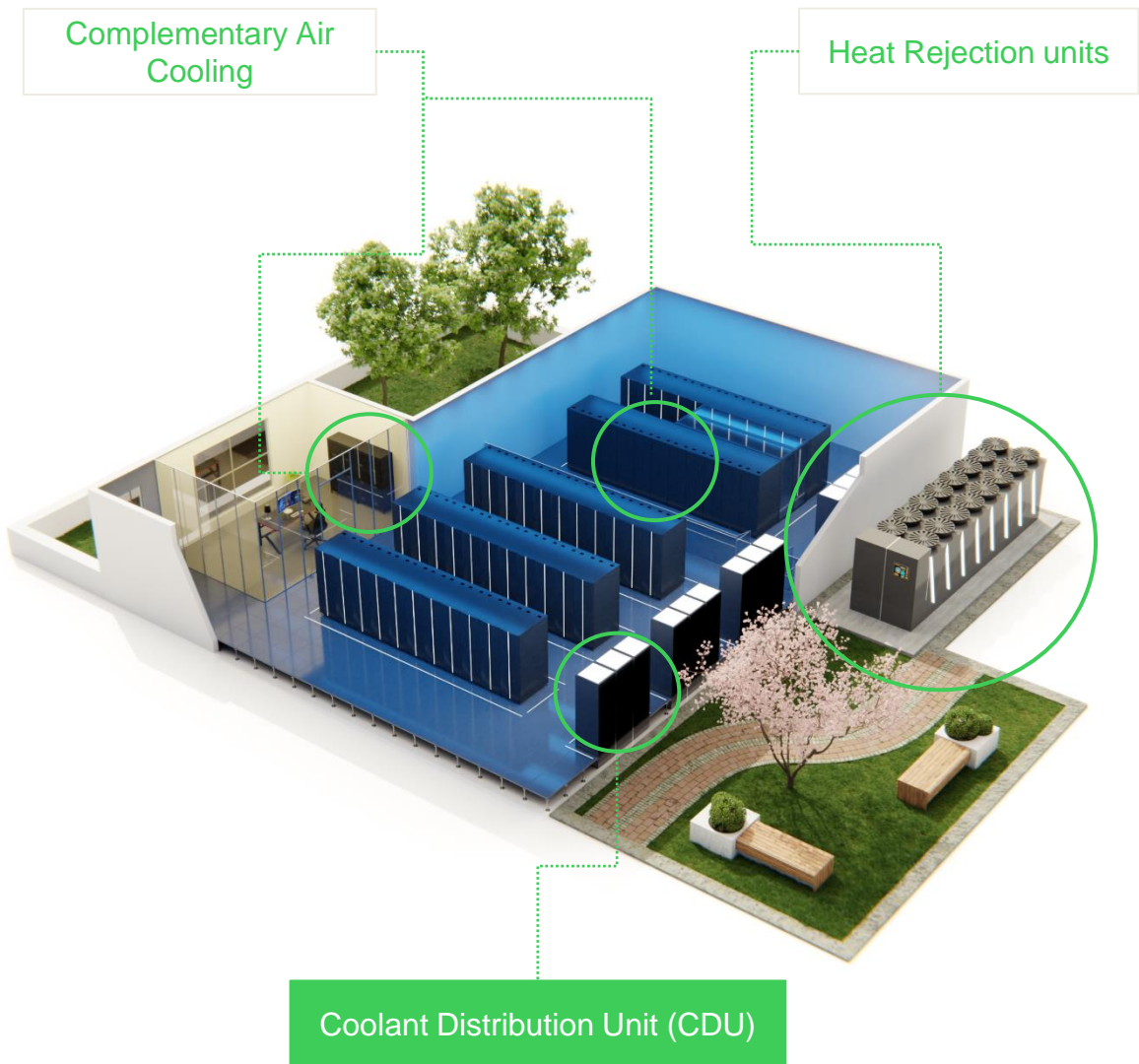
Coolant Distribution Unit
Positive Pressure



Liquid Cooling as a game changer

Multiple Liquid Cooling solutions for each applications

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.



Positive Pressure CDU

The Innovative and energy efficient solution to separate the facility water system (FWS) from the technology cooling system (TCS)



EFFICIENT

Up to 1MW capacity with high efficiency heat exchanger and 3°C approach (ATD)



COMPACT

Compact footprint solution to be installed in the white space (room or row based)



ADAPTABLE

Suitable for **Direct to Chip** and **Immersion cooling**

Benefits of Positive Pressure CDU

Innovative design and energy efficiency for effective cooling in high density applications

Sustainable

Liquid cooling applied to low-density racks allows compressor-less solutions and a white space redesign compensated by a huge saving in CO₂ emissions and OpEx. For high densities, there's no other way than liquid.

Full package solution

- Redundant Pumps with VFD and Flow meter on both loops
- Integrated 50microns filter on TCS loop (Technology Cooling System)
- Fill pump, Energy Meter, Water temp and Pressure sensors on Board

Easy installation and serviceability

- Compact footprint
- Easy movement inside the White Space
- Full accessibility to internal components

Compact footprint

Width 1100mm (43.3 in.)
Depth 1200mm (47.3 in.)
Height 2300mm (90.6 in.)

Global

Global applicable, Rated for UL

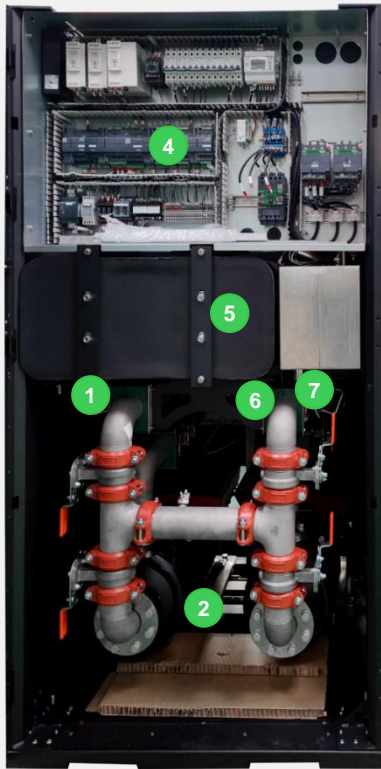
Easy and worry-free solution

- Integrated Leak detection
- Hydronic System with stainless steel
- Victaulic couplings loop
- Vibration sensors & Flooding Detector
- Ambient Temperature sensor and humidity sensor

Embedded control logic

- Touch screen human machine interface
- Group control up to 20 units for better efficiency and reliability
- Remote Monitoring
- Dew point control

Positive Pressure Unit main features



- 1 Flowmeter
- 2 TCS pumps (1+1 redundant)
- 3 Pumps VFD
- 4 Electrical panel
- 5 Plate Heat Exchanger
- 6 50microns filter
- 7 Check valves
- 8 Touch screen human machine interface
- 9 Adjustable foot
- 10 Removable panels



LIQUID COOLING adds
some complexity challenges

Schneider Electric's complete
solution simplifies design and
supports in 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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