



Supercomputers generate enormous heat loads that must be carefully managed to ensure stable and reliable operation. Without efficient cooling, advanced computing infrastructure simply cannot operate safely.

**The solution?**

WHY COOLING MATTERS



The LUMI data centre uses a high-efficiency cooling system that captures heat generated by computing equipment. Key elements include:

- liquid-based cooling for high-density computing
- recovery of excess heat from the cooling process
- integration with the surrounding energy infrastructure



WHY COOLING MATTERS



Efficient cooling makes it possible to operate energy-intensive computing infrastructure sustainably & reduce carbon emissions through heat recovery.



Why it matters?

Cooling is a critical component of sustainable digital infrastructure.



WHY COOLING MATTERS

The project demonstrates how smart cooling design can turn digital infrastructure into a contributor to local energy systems.

 **Learn more about why #CoolingMatters at www.eurovent.eu.**

