

Lenovo Power and Cooling Services

Pure performance, without compromise

Power AI innovation with efficient,
reliable, and more sustainable
Liquid Cooling – so nothing stops
your growth. **Now that's smarter.**

Read more



Smarter
technology
for all

Lenovo

AI innovation is demanding

How can you reach peak performance while cutting costs and energy emissions?

Performing at your peak isn't easy today. As more businesses invest in high-performance computing and AI, they must meet new data demands to innovate faster than competition. But tighter IT budgets, complex IT, higher energy costs, and rising sustainability pressures present a serious challenge.

 83%

of CIOs fear they don't have the resources to fund their IT vision

The situation is simple: AI innovation requires more compute power and, therefore, more cooling to ensure your hardware can support it. How can you be ready for the demands of AI? While supporting your sustainability strategy, keeping costs low, and avoiding downtime?

¹ Lenovo Global CIO Survey 2023

² Compared to traditional air-cooling technology, based on internal benchmarking and calculations

The answer is liquid cooling services

To seize the AI opportunity, you need a more effective, efficient, and sustainable cooling solution. That solution is liquid cooling with treated water. It works by removing heat from IT equipment with deionized water rather than the traditional method of blowing air. This maximizes performance, provides complete cooling from chips to chiller, and uses less energy. Better yet, the water can be made on-site and disposed of easily and safely for the environment.

 40%

Reduced data center energy costs with Lenovo's Neptune™ Liquid Cooling technology

The benefits of liquid cooling are clear. But it can be complex to deploy across multiple locations in a way that suits your unique needs. This is also a highly specialized field and you need the right expertise to design, deploy, and maintain your liquid cooling infrastructure. For this reason, many businesses are turning to providers like Lenovo for support.

Perform at your peak, efficiently

Innovate without limits with Lenovo Power and Cooling Services.

Lenovo Power and Cooling Services is the end-to-end solution for reliable and efficient data center cooling. Our experts will help you seamlessly deploy and maintain leading liquid cooling technology. That leads to cut costs and emissions across your supercomputer infrastructure – so you can always be ready for the demands of AI.

Including Lenovo's leading Neptune™ Liquid Cooling, custom design and support, and flexible integration, our end-to-end service is designed to help you innovate without limits.



Click to read more:

Pure expertise

Pure innovation

Pure outcomes

Deliver your vision fast

Optimize performance, reliability, efficiency, and sustainability with tailored solutions. Lenovo has award-winning expertise in AI, HPC, and energy efficiency to deliver unparalleled efficiency and innovation. Get all the cooling support you need from one expert team with over 12 years' liquid-cooling experience. Our end-to-end service spans data center planning, implementation, and liquid maintenance.

Lenovo

Your plan for pure performance

How Lenovo Power and Cooling Services work.

Workshop

We start with a Data Center Best Practices Workshop. It is a one-day, interactive workshop to review your power and cooling infrastructure and identify opportunities for improvement.



1

Advise

Understand your needs

Our experts evaluate your current data center and whether you have the power and cooling capacity to support your plans in the near- and long-term future. We then spot ways to optimize – so your IT can power all your innovation plans seamlessly.

2

Design and Deploy

Carry out a custom action plan

Implement a liquid cooling solution that is tailored to your unique needs and designed to scale with you. We provide end-to-end support, ensuring your cooling is cost-efficient, compliant, future-proof, and ready for your AI ambitions.

3

Maintain

Optimize your investment

Ensure your cooling continues to deliver value with a dedicated support team. Our services make sure water quality is monitored, issues are proactively managed to avoid downtime, and that nothing stops your business moving forward.

Why Lenovo?

Cleaner cooling and clear results from market-leading experts.

As your computing infrastructure becomes more complex, you need a partner to help you cut through the complexity and guarantee reliable performance. We partner with you from start to finish, designing and building your computing infrastructure, complete with the tools to keep it delivering.

Liquid cooling is the future.

Lenovo is leading it:

We are the world's top supercomputer provider, with Liquid Cooling technology that has won the 2024 BIG Sustainability Product of the Year Award and the 2024 SEAL Sustainable Product Award Category. Businesses of all sizes and in all industries rely on us, because they know our end-to-end support won't let them down.

^{3, 4, 5} Compared to traditional air-cooling technology, based on internal benchmarking and calculations.

Lenovo Neptune Liquid Cooling Technology delivers...



Supercomputer provider in the world



Sustainability Product of the Year

2024 Business Intelligent Group awards

Sustainable Product Award

2024 SEAL awards



Up to
10%

higher sustained performances³



3.5x

higher thermal efficiency⁴



98%

of heat transferred to the water loop with Neptune 6th generation⁵

The vision is yours.
Get there with Lenovo

Start innovating without limits today.
Contact coolingservices@lenovo.com for more details.

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