

How Sustainable Metal Cloud is powering the AI revolution – sustainably from Singapore

THE CHALLENGE

Cloud computing accounts for **over 2.5% of the world's carbon emissions***, with high-powered GPUs pushing power demand further. As AI workloads continue to grow, so does the negative impact on the environment.

THE SOLUTION

Sustainable Metal Cloud's AI Factory, the HyperCube, leverages advance cooling technology while delivering large-scale GPU clusters for AI workloads at nearly half the carbon footprint*.

THE BENEFITS

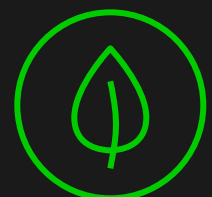
Companies in Singapore can access large-scale GPU clusters for AI workloads through SMC's Sustainable AI Factory. This approach is aligned with **Singapore's Green Data Centre Roadmap**, setting a global benchmark for energy efficiency and carbon emission reductions.

THE IMPACT*



4x

THE DENSITY LEVEL COMPARED TO LEGACY DATA CENTRES.



~50%

IN ENERGY SAVING COMPARED TO TRADITIONAL AIR-COOLED METHODS.



80%

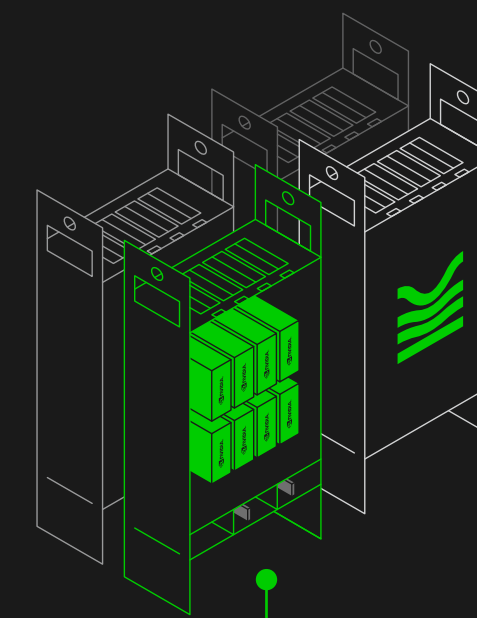
MORE COST-EFFECTIVE COMPARED TO LEGACY CLOUD PROVIDERS.



100%

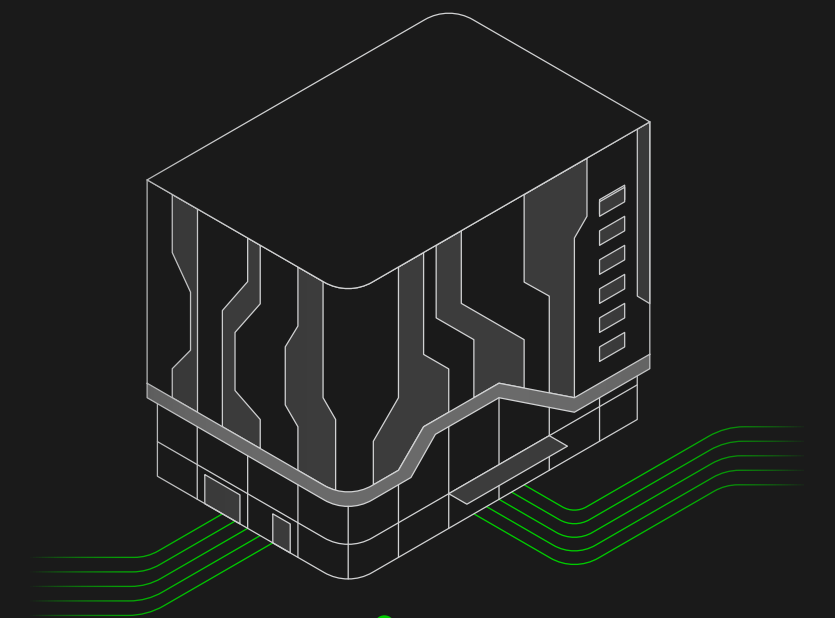
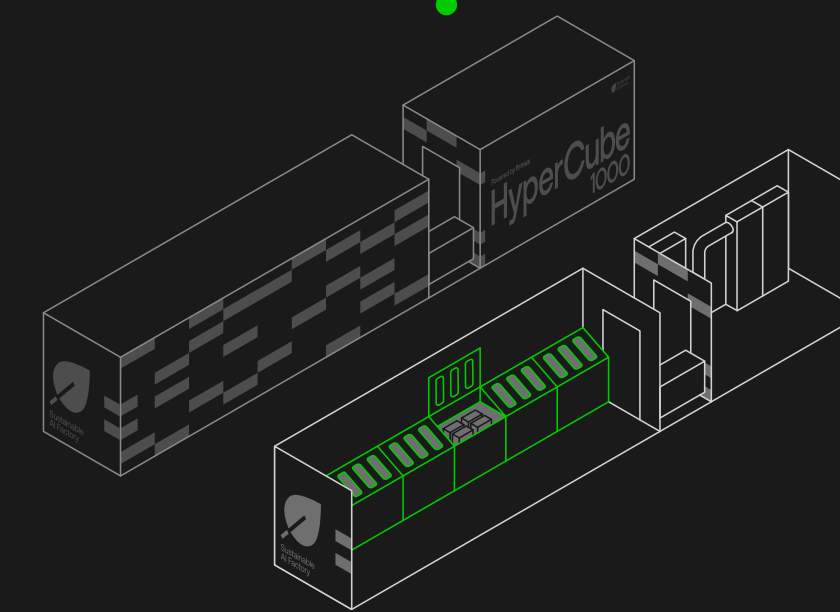
PERFORMANCE, MEETING THE MOST STRINGENT BENCHMARK FROM MLCOMMONS.

*Source: SMC, Climatq, MLCommons



UP TO 36% OF ENERGY IS SAVED AT THE SERVER LEVEL

A FURTHER 21% OF ENERGY IS SAVED AT THE AI FACTORY LEVEL



EACH DC WITH HYPERCUBE SUSTAINABLE AI FACTORY PROVIDES THE POWER, CONNECTIVITY AND WASTE CONDENSER WATER REQUIRED TO DELIVER **99.99% UPTIME**