

## Powering Al Factories: Scaling GenAl with Direct-to-Chip Liquid-Cooling

Transforming Datacenters from Cost Centers to Engines of Intelligence





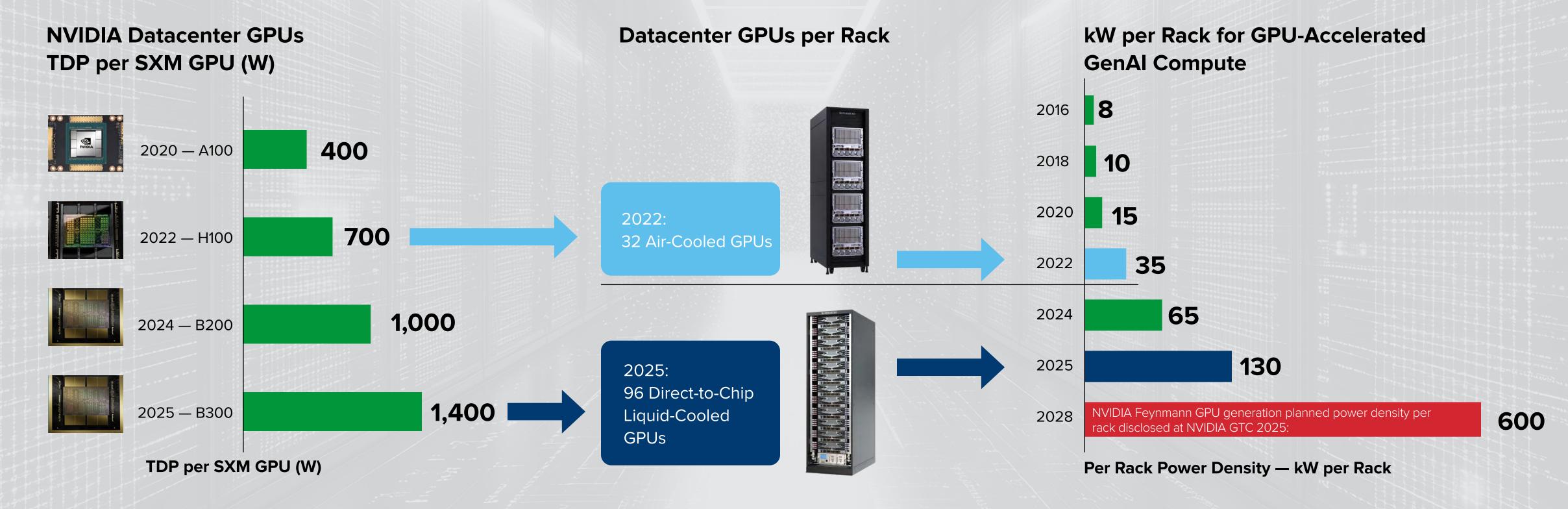




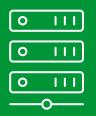


## Direct-to-chip liquid-cooling enables the leap from traditional datacenters to high-throughput Al factories.

The performance needs of GenAl mean that rack scale systems are being engineered for maximum compute performance and density. Even with significant increases in performance per watt, increasing demand for scalable GenAl compute still means that overall GenAl compute power density is rising rapidly.



Datacenters are limited by the available power from the utility provider. That means that revenues are becoming power limited. Power efficiency is a central metric for operational and revenue success; every watt not used for Al inference or training is lost revenue.









## Message from the sponsor





Supermicro and NVIDIA are redefining the economics of deploying Al factories. We offer state-of-the-art infrastructure solutions that address increased power and cooling challenges in modern Al datacenters. Additionally, significant savings can be achieved with direct liquid-cooling (DLC-2) for highly efficient generative Al datacenters.

For more information