

HPC READY

Vantage Data Centers Cardiff has the space, power & cooling to support the most demanding of HPC applications.



Ability to cool up to 125kW per rack



Experience delivering and running HPC solutions



Huge power reserves with direct 400kV SuperGridconnection



Multiple high-speed network/carrier options



100% certified, renewable energy



World-class dedicated operations & engineering teams

- 50-acre (20 hectares) campus
- 148MW of critical IT load
- Three, multi-storey data centers once fully developed
- 1.5M square feet
- Support for 125kW+ per rack
- Extensive amenities including conference rooms, break rooms and more



Vantage Data Centers Cardiff - formerly Next Generation Data (NGD)
- has huge amounts of available power and custom builds to each customer's requirements. This means that we can fulfil almost any High Performance Compute requirement, and have significant experience hosting a variety of HPC platforms.

POWER

- Campus scales to 270MVA and beyond.
- Direct, private 400kV SuperGrid connection, supported by regularly tested, highly resilient generators and UPS systems
- All systems concurrently maintainable
- 100% renewable energy

COOLING

- Minimum N+1/N+20% on all mechanical
- Prevailing climate supports free air cooling throughout much of the year
- Customized HPC cooling solutions available

CONNECTIVITY

- Carrier-neutral campus with 12+ international carriers
- Low latency: <1.5 milliseconds, Wales to London
- Pre-installed links to virtual meet-me-rooms in London
- Direct access into leading public cloud providers
- Independent fiber route available

SECURITY

- On-site security operations center with patrols 24x7x365
- Meets or exceeds the standards required by global enterprises
- Meets the U.K. government/military security specifications

AMENITIES

- Dedicated offices and workspaces customizable to your needs
- Multiple conference rooms and meeting spaces throughout the campus
- Near the M4 and major airports with strong links to several local universities and research centers