



BYTEMARK HOSTING

Our Infrastructure

Y026 Data Centre Specification

An overview of Bytemark's own
cutting-edge data centre in
York, UK

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YO26 is Bytemark's own data centre in York where we offer cloud, dedicated and managed hosting and associated services.

YO26 has been designed and built completely to our directors' technical specifications and business requirements. We control every single aspect of the service, from the land to the power, network and servers. This careful planning and attention to detail means we can confidently stand behind the quality of the facility and the services we provide.

FACTS



Power

- 1MVA power supply from a dedicated substation connected to an 11kV distribution ring.
- 550kVa generator with 24 hour runtime and a 6 hour fuel supply contract.
- UPS capacity of 200kVA with N+1 resiliency, expandable to 500kVA.



Network

- Multiple entry points into the building.
- Fibre routed diversely out of the building.
- 10GBps dedicated connections from our building to the rest of our national network.



Cooling

- 180kW of N+1 cooling, designed to grow to 450kW in N+1 mode.
- Fresh air cooling when exterior ambient temperature is below 21.5C to minimise electricity usage.
- Underfloor cooling, combined with contained 'cold aisles', doors and blanked racks means YO26 can operate at a PUE of < 1.2.



Safety and security

- Dedicated building management system allowing for tracking of full historical temperature, energy usage and PUE.
- Staff on call 24/7.
- Very Early Smoke Detection and Alarm system (VESDA).
- Double knock fire detection system connected to non-destructive fire suppression system using FM200 gas.
- 24/7 security with remotely monitored CCTV connected to security and police response.
- Access control system for entry and control within the building.



Cert No. 11372-ISO - 001
ISO 27001

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