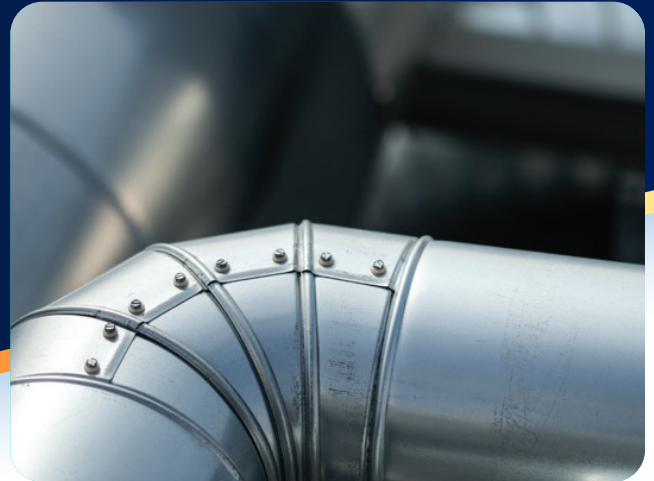


LON2

CyrusOne Data Center

📍 DC2 Prologis Park Heathrow,
Stockley Road, West Drayton, UB7
9FN, United Kingdom



Introduction

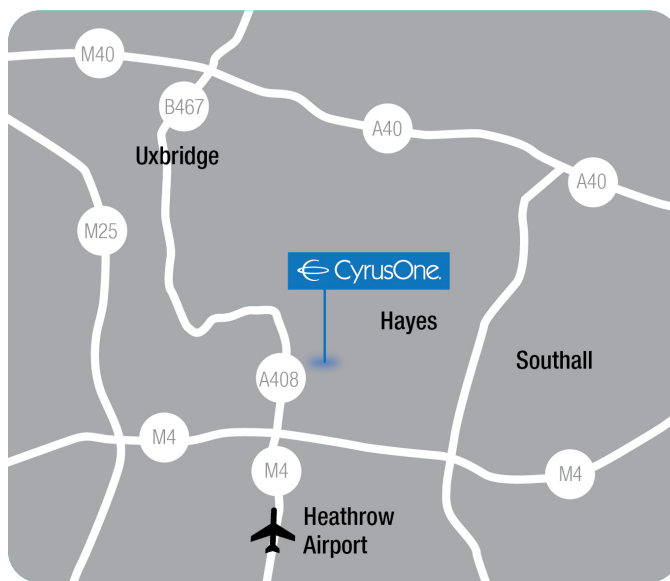
Strategically located to the west of London within the thriving Prologis Park Heathrow, CyrusOne LON2 delivers 13.92 MW of IT load to 7,484 sq m (80,557 sq ft) of technical space across two floors. The facility is purpose-built, offering industry-leading energy efficiencies, the latest adiabatic free cooling technology, ultra-low PUEs, multilayer security, carrier neutrality and a Tier III+ level of resilience.





Overview

- 13.92 MW of IT load delivered to 7,484 sq m (80,557 sq ft) of world-class technical space across two floors
- Active / Active 11 kV dual redundant power supplies with fully flexible IT power solutions
- Ultra-low PUE through the use of a chilled water system with external adiabatic free cooling chillers
- Highly resilient, concurrently maintainable power and cooling to Tier III+
- Carrier neutral access and diverse fibre connectivity to active A&B Meet Me Rooms from multiple telecommunication providers
- Bespoke and scalable data halls sized to customer requirements
- Dedicated UPS plant to each data hall
- 1,200 mm raised access floor with 3,300 mm clear height in the data halls
- Multilayer levels of physical and electronic security with 24/7 year round on-site personnel



Technical Specifications

BUILDING

- A total of 7,484 sq m (80,557 sq ft) of technical space over two floors
- Raised access floor loading 12 kN per sq m
- Delivery bay with access to a 3-tonne goods lift
- Bespoke and scalable data halls
- Dedicated offices, buildroom and/or ancillary space adjacent to each hall, built to your requirements
- On-site electric vehicle charging points

POWER

- Operated with 13.92 MW of total IT load
- Active / Active 11 kV dual redundant power supplies with fully flexible
- IT power solutions
- All IT power metered and charged as consumed at dedicated MV meters
- N+N power solutions dedicated to each hall, with separate UPS strings
- Minimum N+N UPS with 10-minute battery back-up as standard
- Fully rated N+1 back-up generators with 48-hour fuel autonomy at full load, capable of continuous running
- Refuelling contracts to ensure timely replacement

ENERGY EFFICIENCY

- Scalable UPS capable of ECO or sequence operation, with highly efficient UPS modules
- Ultra-low PUE through the use of adiabatic cooling plant
- Variable speed drive adiabatic fans
- Variable speed drive water supply pump sets
- ASHRAE T9 hall conditions
- Air cooled plant rooms with variable speed fans

- Supply temperature control, with cold aisle containment
- LED lighting with microwave detection
- Energy efficiency based control algorithms for optimum energy usage

REGULATORY COMPLIANCE CERTIFICATION

- ISO 9001: Quality Management
- ISO 14001: Environmental Management
- ISO 45001: Occupational Health and Safety
- ISO 27001: Information Security Management
- SOC2: System and Organization Control
- PCI: Payment Card Data Security Standard

COOLING

- N+1 adiabatic cooling plant
- Dedicated cooling infrastructure individually managed and linked to BMS
- Dedicated Pressurisation DFU's at minimum N+1 per hall
- Independently regulated temperature and humidity to each space

CONNECTIVITY

- Carrier neutral access via diverse active A+B Meet Me Rooms to multiple telecommunication providers including euNetworks, BT, Vodafone, Virgin Media and Verizon
- Strict cable management policy

SECURITY

- 3 metre high secure perimeter fence
- External CCTV and Geoquip trembler wire to fence
- Manned site entrance with security gates
- 24/7 year round on-site security located in secure control room
- Extensive CCTV and access control throughout the facility
- Progressive layers of security to restrict access through the site
- Mantraps with biometric readers into data halls are provided if required

BUILDING AND ENERGY MANAGEMENT SYSTEMS (BMS & EMS)

- Power and building monitoring systems to provide alarms
- Power surge management
- Dedicated 24/7 year round facilities management team
- 24/7 year round on-site M&E engineers undertaking Planned
- Preventative Maintenance (PPM) programmes
- Real-time monitoring of electrical and mechanical systems

FIRE DETECTION AND SUPPRESSION

- Three stage fire detection systems into data halls and UPS plant areas
- VESDA (Very Early Smoke Detection Apparatus)
- Fire detection in all rooms and in voids as required
- Gas suppression to data halls and UPS rooms with dedicated bottles
- Double knock approach gas suppression to all areas, single zone activation
- Fire detection and suppression systems interconnected to central BMS

Site Plan

