

Telehouse **West**

Location: Coriander Avenue, London, E14 2AA, United Kingdom



Telehouse West

is one of four data centres within London and is placed adjacent to the existing sites in the heart of London's Docklands. It is ideal for organisations that require secure, high quality data centre space and offers the ideal environment as a primary or secondary site.

Telehouse West is a state-of-the-art facility enjoying high levels of security, power, cooling and technical support to put your mind at ease and ensure business continuity. A nine storey data centre with 19,000 m² made up of technical and customer space. The new facility offers a 'localised data centre environment' for each of the five tenant floors; consisting of rackspace and individual power/cooling provision, resulting in lower risk of failure to service. Each floor (consisting of a concrete subfloor) is capable of loading 1.5 tonnes per sq/m, designed for heavy plant equipment.

Power:

- Four redundant HV power systems, from separate grids to each building on the Docklands site
- Telehouse West brings the total amount of power at the Docklands site to 40 MVA
- N+1 redundant standby generators

with a minimum of 24 hours autonomy at full capacity

- Standard generators with a minimum of 24 hours autonomy at full capacity
- 8 x 2.5MVA 11kV Generators
- 2 (N+1) redundant UPS floor by floor
- Redundant A & B power feeds to customer equipment

Air Conditioning and Cooling:

- 6 x 2.7MW chillers N+2 configuration
- Room Air Conditioning Units (RACUs) to provide down-flow chilled water system at N+25%
- RACU with banded floor area and water leakage detection and monitoring
- Hot aisle/cold aisle zone design

- 900mm raised floor design with airflow space to provide the most efficient cooling
- Free cooling operation in winter
- Maximum external ambient temperature of 35 degrees Celsius dry bulb
- The in-room units will provide full function, closed control air conditioning, with cooling, humidity and de-humidification control

Connectivity:

The facility continues the availability of wide connectivity to major telecoms and network service providers and offers customers connectivity to any of the global Telehouse data centres and their networks.

- Connectivity can be provisioned through 2 redundant meet me rooms offering true diverse network locations



- Interlink services from North and East buildings offer full diversity of service.

Fire Detection & Suppression:

- Data centre areas are fitted with a fully addressable two stage fire detection system that monitors both under-floor and the room itself
- Detectors with 50% mix of optical and ionisation are split across 2 separate zonal-loops, to meet BS 5839, 6266, 5445 and 5588
- Very early smoke detection alarms (VESDA) installed throughout the facility
- Dry sprinkler fire detection system to meet BS 5306, 3115 and with LFEPA approval. Dry sprinkler is the main fire suppression method employed
- The systems are designed to minimise any possible customer disruption and to ensure that any minor problems remain localised

Environment:

Telehouse is committed to providing

services to customers and conducting business in an ethically and socially responsible manner that respects the environment and adheres to the principles of product stewardship: this is evident from the achievement of ISO 14001, the certificate for Environmental Standard and the Carbon Trust Standard

Photovoltaic cells:

- Application of photovoltaic cells on the data centre roof contributes to the energy supply of Telehouse West thereby reducing the total energy consumption from external resources

Waste Heat Distribution System:

- Telehouse West will have the ability to recover the waste heat lost by the facility to reuse for general heating to third parties and also pre-cool the chilled water, thus reducing both chiller and dry air cooler power requirements
- Employment of a plate heat exchanger system ensures higher efficiency of heat transfer than traditional methods

Security System:

- Independent client card identification access system
- Secure & monitored single-person point of entry, physically guarded 24/7 and integrated digital video camera surveillance
- Proximity card access is provided from the main data centre building and is issued to provide access only to authorised facilities management suites
- Strict security processes are in place to ensure delivery and loading of goods are secure
- CCTV coverage for the perimeter, common areas and facilities management suites
- Secure access, procedures to ensure that customers nominated staff gain authorised access to the facility whenever required, day or night

Home to your global ICT solutions

Telehouse now offer full end-to-end ICT solutions from design to implementation such as IP connectivity, system integration, LAN and software installation, system monitoring and virtual servers as well as premium data centres.

Speak to a member of our sales team regarding your requirements and we will propose the right solution for you. Telehouse can also assist in improving the efficiency of your existing IT infrastructure and the management of a comprehensive IT migration plan.

Contact Our Sales Team:

Telehouse International Corporation, Coriander Avenue, London, E14 2AA

T: +44 (0) 207 512 0550

E: sales@uk.telehouse.net

W: www.telehouse.net

