Rackspace LON5 Data Center

OCP READY™ Facility Recognition Program for Colo Solution Providers
Rackspace LON5

Crawley - London

- Open for Business Q2-2015
- 12 MW/6606 sqm in 3 MW Data Halls
- Design PUE < 1.2
- Rain Water Harvesting

Facility Features

- 24x7x36 Security
- Indirect Adiabatic and Evaporative Cooling
- Hot Aisle Containment
- Concrete Slab Floor on Common Level
- Overhead Busway and Cabling Distribution
Rackspace LON5

Network Availability

• Multiple Tier-1 Service Providers
• Carrier Neutral with 7 Carriers On-Site
• RackConnect® Global and Blended Bandwidth

Other Services

• Colocation and Smart Hands
• Managed Hosting and Private Cloud
• Application Management
• SSAE18 SOC1, SOC2, SOC3
• PCI DSS
• ISO27001, ISO14001, ISO9001
OCP READY™ Requirements

Access

• 2x Loading Dock Bays
• Delivery Pathway Doorways: 3000mm H x 1850mm W
• Uniform Load: 10 kN/m²

Ramps/Lifts

• Not Applicable
• Common Level Slab Floor

White Space

• Ceiling Height: 4.2m
• Uniform Load: 12 kN/m²
OCP READY™ Requirements

Electrical

• Distributed Redundant N+1 Design
• Concurrent Maintainability
• Direct UPS to Busway Connections
• PDU Electrical Losses Eliminated
• 2N (A+B) at the Rack
• 400/230VAC
• Flexible Circuit Capacity
• Overhead Distribution
• IEC 60309 Sockets
• UPS Only Feeds
OCP READY™ Requirements

Cooling

- Rooftop Mounted Cooling Units
- Indirect Adiabatic and Evaporative
- Compressor-Free Cooling
- Front to Back Airflow
- Hot Aisle Containment
- ≥12 kW Rack Capacity
- ASHRAE Allowable Conditions
- ≥12 degC Delta T
OCP READY™ Requirements

Cabling

• Top and Rear of Rack Fed
• 2 Conveyance Levels
• OS2 and OM4
• Custom per Customer
OCP READY™ Considerations

Service
- Secure Storage Available
- Remote Hands Capabilities

Efficiency
- Continuous PUE Monitoring
- Design PUE < 1.2
- Operating PUE < 1.5

Openness
- PUE Available for Customers
- Facility Design Files Available for Customers
OCP Tenets

Efficiency
- Reduced Energy Losses
- Reduced Cooling Energy
- Delivery and Operations

Scalability
- Common Slab Floor
- Preinstalled Busway Distribution
- 3 MW Immediate Availability

Openness
- Designed with consideration of OCP Requirements
- Supporting OCP ecosystem and community growth

Impact
- IT Service Experts
- OCP Experience
- Rackspace Ecosystem