

# Rackspace LON5 Data Center

OCP READY™ Facility Recognition Program for Colo Solution Providers





# Rackspace LON5

## Crawley - London

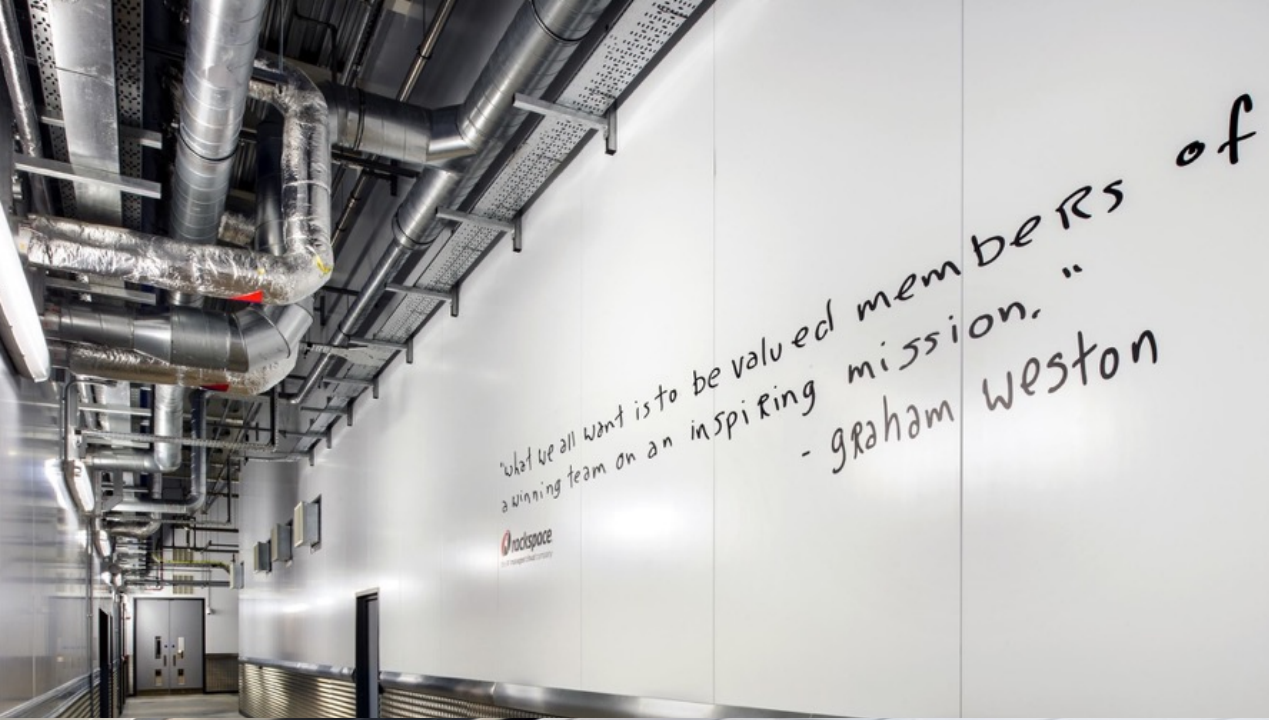
- Open for Business Q2-2015
- 12 MW/6606 sqm in 3 MW Data Halls
- Design PUE < 1.2
- Rain Water Harvesting



## 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/m<sup>2</sup>

## Ramps/Lifts

- Not Applicable
- Common Level Slab Floor

## White Space

- Ceiling Height: 4.2m
- Uniform Load: 12 kN/m<sup>2</sup>







# 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
- $\geq 12$  kW Rack Capacity
- ASHRAE Allowable Conditions
- $\geq 12$  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

# THANK YOU

ONE FANATICAL PLACE | SAN ANTONIO, TX  
78218  
US SALES: 1-800-961-2888 | US SUPPORT: 1-800-961-4454 |  
WWW.RACKSPACE.COM



Copyright © 2018 Rackspace | Rackspace® Fanatical Support® and other Rackspace marks are either registered service marks or service marks of Rackspace US, Inc. in the United States and other countries. Features, benefits and pricing presented depend on system configuration and are subject to change without notice. Rackspace disclaims any representation, warranty or other legal commitment regarding its services except for those expressly stated in a Rackspace services agreement. All other trademarks, service marks, images, products and brands remain the sole property of their respective holders and do not imply endorsement or sponsorship.