

Data Centre Technical Specification Sheet

Power	Current	Planned
Maximum Import Capacity	500kW	1.0MW
Transformer	1 x 10kV, 1MW Transformer	2 x 20kV, 1MW Transformer
Diesel Generator Backup	FG Wilson 350kW / 400kVA	1.2MW
Minimum diesel storage	96 hours	96 hours
UPS	2 x 200kW GE Purepulse	8 x 200kW GE Purepulse
UPS Uptime	>20 minutes	>20 minutes
Design	A and B power to every rack from separate UPS systems and separated sub distribution boards.	

Connectivity – Carrier Neutral	Current	Planned
Telecoms Mast	24m	30m (subject to planning)
Fibre Duct	2 x eNet 1 x Eircom 1 x BT	2 x eNet 2 x Eircom 2 x BT 2 x UPC
Duct entry separation	35m	35m
POPs	BT Node, Cogent, Smart, Tiscali, Verizon, eNet	As required
Mesh Bandwidth (minimum 3 providers)	Juniper Routers – J6350's Cisco Switches – 4948's	Juniper Firewalls – SSG320's

Security	Current	Planned
Fire Detection	Honeywell	Honeywell
Fire Suppression	Nitrogen	Nitrogen
Camera Recording	15 Cameras x 60 Days	32 Camera x 60 Days

Air Conditioning	Current	Planned
Chillers	2 x 300kW Free-cooling Climaveneta	3 x 300kW Free-cooling Climaveneta
CRAHs	4 x 120kW Edpac	8 x 120kW Edpac
Design	Chilled water x two circuits, cold aisle containment, and dynamic set-point chillers.	
BMS	Echelon	