



Cyberport 5

Data Services Platform – Key Design Parameters

A Purpose-built Tier III plus Data Centre



GREEN

Annual PUE	≤ 1.37
BEAM Plus New Data Centre	Provisional Platinum



FACILITY

Data centre area (GFA)	~ 93,000 sq. ft.
Floor loading	20 kPa
Floor height	6 m
Rack capacity	968 racks
Rack size	42U - 58U racks



COOLING

CRAH	N+1 CRAH design Front flow systems with hot and cold aisles design
Chiller	N+1 design, Water cooled VSD, PLC control, plant optimization by means of AI based platform
Continuous Cooling	N+1 thermal buffer tank & UPS powered pump for 5 minutes continuous cooling
Make-Up Water Storage	N+1, 12 hours at full load operation



POWER

IT load	8.70 MW
Power density	Standard: 6 or 12kW/rack High Power: 40kW/rack
Utility power	Diversified dual paths from power substation
Generator	N+1, continuous rating
UPS	N+1, distributed redundant for IT services
UPS power distribution	2N Active
Fuel distribution	2N PLC control
Fuel storage	N+1, 12 hours at full load operation



NETWORK

Backbone Cabling	Dual path fibre and copper structured cabling Dark fibre connection to Cyberport office
Points of entry diversity	Multiple local carrier entry from diversified paths
Telecommunication Rooms	Dual lead-ins and Risers, Dual Meet-me and PoP Rooms



FIRE PROTECTION

Fire Suppression	FK-5-1-12 / Double interlock pre-action sprinkler
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* The above specifications are subject to change. Custom-built specifications can be provided upon request.

Your Springboard to Success

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Cyberport 5 & Expansion Project

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