



Facility Overview

CSF provides Complete and Secure Facility with high availability infrastructure to assure 24 x 7 optimal operations environment. With more than 20 years of experience in design, construction and maintenance of computer centers, CSF is culmination of applied experience and expertise in the operational process, workflow, safety, security and maximum availability to support mission critical operations.

Building

Building area	:	Gross	– 29,832m ² (321,000 ft ²)
	:	Data Center	– 14,638m ² (157,500 ft ²)
	:	Rentable Office	– 1,515m ² (16,300 ft ²)
Structure	:	cast in situ post tension concrete flat slab	
Floor Loading	:	10kN/m ² in data center area	
Clear Height	:	4.59m (concrete floor to ceiling)	
Raised floor	:	1.00m	
Column Grid	:	9.00m	
Passenger Lift	:	2 nos. 1.6 ton lifts – 1.5 m width x 2.4m depth x 2.4m height	
Goods lift	:	1 no. 3.0 ton lifts – 2.8m width x 3.2m depth x 2.4m height	
Car parks	:	135 spaces (32 covered spaces)	
Insulation	:	Brick wall with mineral wool and gypsum board insulation	
Roof	:	Double layer concrete roof slab to prevent water leakage	

Building Management

Operations	:	24 x 7 facilities management team at site
EMS	:	Temperature and humidity monitoring
	:	M & E Operations and Power monitoring

Cooling

Temperature	:	18 C to 24 C
Humidity	:	35% to 65% RH
Cooling	:	Chilled water system and Air Cooled System
Resilience	:	N+1

Fire Detection and Suppression

Detection	:	High sensitivity smoke detectors (HSSD)
	:	Addressable heat and smoke detectors
Suppression	:	Water mist system in data center and common area
	:	Gas system in mechanical and electrical area

Telecommunications

Carrier	:	Access to multiple telecommunications provider via (MMR)
MDF	:	4 rooms
MMR	:	2 rooms
Satellite	:	Roof space available for satellite and antenna equipment

Power

Mains Power	:	2 x 33kV incomers from 2 sources
Redundancy	:	N+1 or N+N option
Distribution	:	415V busbar system
Transformers	:	Up to 24MVA cast resin transformers
Generators	:	Up to 24MVA diesel generators
Fuel Storage	:	30 hours support at full load
Fuel Delivery	:	4 hours response
UPS	:	N+1 or N+N option with minimum 10 minutes backup

Security

Presence	:	24 x 7 security team
Personnel	:	Proximity card readers, upgradeable to biometric
Vehicle	:	Barrier control
Delivery	:	Managed by security personnel
CCTV	:	Multiple CCTV cameras with offsite archival