



### **Facility Overview**

CSF Computer Exchange 1 (CX1) is the first high end carrier neutral data center, developed, operated and managed by CSF Advisers Sdn. Bhd. It was built in 2002 and it was operational by May 2003. Our first data center provides 24 x 7 optimal operations, safety and secured facilities for mission critical environment. It boasts clientele from financial services, technology companies and telecommunications.

### **Building**

Building area	:	Gross	– 7,600m <sup>2</sup> (81,000 ft <sup>2</sup> )
	:	Data Center	– 4,300m <sup>2</sup> (45,500 ft <sup>2</sup> )
Floor Loading	:	7.5kN/m <sup>2</sup> 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	:	99 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	:	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	:	2 rooms
MMR	:	1 rooms
Satellite	:	Roof space available for satellite and antenna equipment

### **Power**

Mains Power	:	2 x 11kV incomers from 2 sources
Redundancy	:	N+1 option
Distribution	:	415V busbar system
Transformers	:	Up to 12MVA cast resin transformers
Generators	:	Up to 12MVA diesel generators
Fuel Storage	:	30 hours support at full load
Fuel Delivery	:	4 hours response
UPS	:	N+1 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