

# Data Centres

## Data Centre Environment and Security

CSF Managed Services provides hosting services from its offices near the City in London or at its main data centre located outside the M25.

As well as data and systems security, CSF Managed Services also provides impressive physical security. All Clients' server and communication systems are housed within one of CSF's own twinned Data Centre facilities, providing server housing and management across different platforms in a secure and resilient environment that is typically only available to the largest organisations. The physical security of the data centre environments includes 24 hour Security Guards on-site, Intruder Alarms, CCTV and biometric controlled access.

### Data centre (outside M25) – tier 3

The CSF Tier 3 Data Centre is located within purpose built premises and offers 10,000 square feet of computer hosting space, 10,000 square feet of technical plant and support space with an external compound of a similar 10,000 square feet.

The Data Centre provides resilience in the form of cross-coupled and isolated power trains, dual sub-station mains supply with four cross-valved generators all feeding 8 Power Distribution Units. The Air Management System contains eight 100kw air handling units each with resilient auxiliaries. The fire detection and suppression system incorporates early warning and conventional smoke detectors and automated Argonite gas extinguishers to maintain a breathable atmosphere and to eliminate secondary damage to systems. In addition, there is a water detection system installed above and below floor level including the secondary roof.

#### Power

- Power trains 'cross-coupled' & isolatable down to PDU for maximum availability
- Dual sub stations
- Generators - 2 x 1250 kVA each with an 8,000 litre cross-valved tank (24 hours)
- UPS – 2 x 600 kVA (each in separate room)
- PDU's – 8 x twin feed



## Mechanical services

- Water Detection: Above and below (incl secondary roof)
- Air handlers: 8 x approx independent 100kW units each with resilient auxiliaries
- Temperature and humidity controlled throughout the data centre
- Air Flow: floor void fed with return at high level to 3.3m (11 ft)



## Fire Protection

- VESDA Early warning plus conventional smoke detectors
- Argonite (inert gas-breathable atmosphere)
- Monitoring centrally

## London Centre

This facility enjoys a high level of environmental redundancy and will provide the foundation upon which CSF Managed Services builds highly available technical solutions.

CSF runs a fully managed environmental monitoring suite that ensures sufficient capacity for:

- Air conditioning
- Fire monitoring
- Uninterruptible power
- Generator backup power

In addition, the data centre is a “lights out” facility, where access can only be gained through biometric security clearance.

## CSF's tier 3 data centre

