Data Centre Security:
Guidance for owners

Read the full guidance at www.cpni.gov.uk/data-centre-security

Geography and ownership security

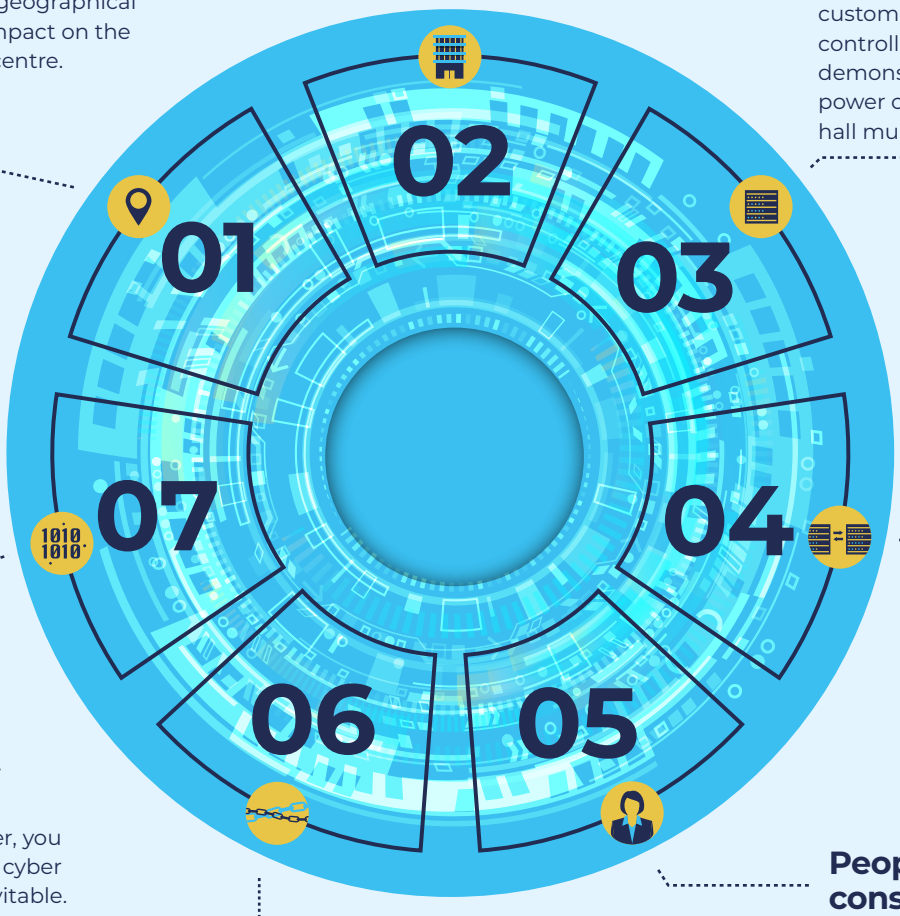
Regulations in some countries mean the data you store could be accessed by a foreign government. Also, UK GDPR sets out principles data controllers must comply with, or risk being fined. It's important to be aware of all the geographical considerations that impact on the security of your data centre.

Data centres' physical perimeter and buildings

The security of the physical perimeter and site of your data centre is your responsibility and should meet customer expectations. Do you know how to deter, detect and delay attackers or discourage espionage or hostile reconnaissance?

The data hall

Data centre operators are responsible for data hall security. Are you sure that access to customers' equipment is controlled? Are you able to demonstrate you're prepared for a power outage or a fire? Your data hall must be thoroughly protected.



Meet-me room considerations

Access to MMRs should be strictly controlled. It's also important to consider security measures such meet-me room screening, searches, intrusion detection, anonymisation and asset destruction.

Cyber security

As a data centre owner, you should assume that a cyber security breach is inevitable. Take steps to detect intrusions, minimise their impact, and prevent further incidents. A comprehensive cyber risk management regime should be embedded throughout your organisation.

Supply chain considerations

It's important to consider the security of your entire supply chain. The companies you work with and buy products and services from present their own security risks and vulnerabilities. You need to understand all the security risks you face by introducing third parties.

People security considerations

A data centres workforce can both enhance security as a force multiplier but could also introduce further risks. Ensure you develop a strong security culture that motivates and engages staff and mitigates 'insider' risks – recruitment of insiders is an attractive option for threat actors.

National Cyber Security Centre

CPNI
Centre for the Protection of National Infrastructure