



Case Study

Lead Designer of a new Tier 3 High Security Data Centre for MOD

OBJECTIVES

The MOD user community at a business critical site were supported by a number of secure and non-secure Network Equipment Rooms (NER) which provided communications to the users on site and the wider MOD global community. These NERs were deemed as not fit for purpose due to a risk of failure which would lead to a significant impact on MoD critical business. A new Data Centre was to be designed and built to replace the existing NERs. HS Infra were appointed as the lead designer to provide a full design package up to RIBA stage 4 for a new high security data centre to comply with Uptime Institute Tier 3 standards and MOD security requirements.

SOLUTIONS

Utilising the HS Infra team's experience and expertise we designed the data centre to host all existing active and passive requirements together with incorporating the client's future needs. Our design incorporated all of the ground and ecology surveys, ground investigations, civils, architectural, fire, security and alarm systems along with highly resilient mechanical, electrical, data and fire suppression systems. Following the Uptime Institute standards, Tier 3 levels were successfully achieved and approved. Our completed designs were tendered by the main client and HS Infra provided Design Through Build assurance throughout the RIBA stages 5 & 6 of the build process.

BENEFITS

The project was completed on time, quality and budget providing the client with a Tier 3 compliant SCIDA and CPNI accredited Data Centre to meet all of their current and future needs.

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AT A GLANCE

- MOD client
- Uptime Institute Tier 3 resilience
- CPNI standards
- SCIDA and MOD compliance
- Security accreditation
- CDM compliance
- Project duration 6 months



"HS infra's MOD knowledge and expertise were evident throughout the design phase of the project which ensured the end users requirements for their new data centre were fully satisfied."

Carillion Amey Project Manager

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