

High Level Risk Assessments for the Data Centre Operations of a Major Financial Institution

Patrick Mann & Associates were contracted to perform a high level risk assessment for the operations of a major financial institution across a number of Data Centres in London. Risk assessments on each site were undertaken for a broad range of external threats, followed by a resilience study across the various sites and for potential data centre location changes. The threats included:

- Environmental, e.g. wind, flooding, earthquake.
- Operational, e.g. loss of power, mechanical failure, fire.
- Security, e.g. terrorism VBIED, PBIED, theft.

The project tasks included:

Threat Profiling – Identification of the range of external threats that could affect the site(s) and quantification of the hazard magnitude, e.g. maximum flood depth.

Site Surveys – Identification of business critical operations and their dependencies, existing mitigation and resilience systems.

Impact Analysis – Analysis of the impact on the business critical functions and their dependencies from operational, fault and external hazard scenarios.

Risk Profiling – Profiling of each site to determine which sites pose the greatest risk and which functions/hazard pose the greatest risk.

Resilience Study – Analysis of the effectiveness of the reliance and business continuity plans to mitigate the risk for different operation networks.

