



BUSHEY

CUSTOMER STORY

To support a major Data Centre consolidation initiative, Bushey Advisors conducted an independent risk assessment of a proposed resilient infrastructure strategy.



OVERVIEW

A leading organisation was evaluating a strategic infrastructure transformation involving the consolidation of multiple Data Centre environments into a newly proposed purpose-built facility. The initiative sought to simplify operations, improve resilience and create a platform capable of supporting demanding availability requirements while accommodating future growth. Before committing to the investment, executive stakeholders required an independent assessment of the risks associated with the preferred design approach.

Bushey Advisors was engaged to perform a comprehensive risk analysis covering operational, technical, physical, environmental and strategic considerations. The review examined the proposed building design, infrastructure resilience, service continuity, security controls, accessibility, disaster recovery considerations and exposure to external threats. Particular attention was given to scenarios that could affect operational continuity, including utility failures, environmental events, human factors and site-specific risks.

Following detailed analysis, risk categorisation and mitigation planning, the Advisors concluded that the proposed approach remained viable provided identified risks were clearly understood and appropriate controls were incorporated into the design and operating model.

THE COMPANY

This organisation operates large-scale business and technology services requiring highly resilient infrastructure, reliable operational continuity and stringent governance standards. With a strong focus on availability, risk management and long-term sustainability, the organisation continually invests in critical technology platforms that support essential services, operational efficiency and future growth.



TARGET

Assess risks of Data Centre consolidation while maintaining resilience, continuity, availability and



DEVELOPMENT

Developed comprehensive risk framework evaluating operational, environmental, technical and infrastructure exposure scenarios.



INTEGRATION

Integrated mitigation strategies, governance controls and resilience recommendations into future infrastructure planning.

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CHALLENGE

The organisation faced a complex decision involving the consolidation of critical infrastructure into a single location while maintaining very high levels of operational availability. Leaders needed confidence that the proposed strategy would not introduce unacceptable risks to business continuity, technology operations or future service resilience. Several key design questions remained unresolved, including disaster recovery strategy, business continuity requirements, regulatory considerations and resilience objectives.

During the assessment, Bushey Advisors identified a broad range of potential challenges requiring careful consideration. These included fire-related incidents, access restrictions caused by external events, utility service disruptions, flooding, severe weather conditions, security threats, human error and malicious activity. The review also highlighted concerns around infrastructure segregation, facility design assumptions, resilience of critical services and the impact of external environmental conditions.

Additional challenges arose from the need to evaluate both probable and low-probability events that could still have significant operational consequences. These included pandemic situations, civil unrest, seismic activity and other catastrophic scenarios. Understanding these risks, their likelihood and potential business impact was essential to supporting informed investment decisions and long-term infrastructure planning.

SUPPORTED
INFORMED
STRATEGY

INDEPENDENT ASSESSMENT IDENTIFIED
MANAGEABLE RISKS, SUPPORTING
INFORMED PROGRESSION OF A MAJOR
INFRASTRUCTURE STRATEGY.

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RISKS RAISED

THIRTEEN OPERATIONAL
ENVIRONMENTAL AND
INFRASTRUCTURE RISKS WERE
ASSESSED AND PRIORITISED FOR
MITIGATION

SOLUTION

Bushey Advisors adopted a structured risk management and assurance approach to provide stakeholders with an independent view of the proposed Data Centre strategy. The engagement commenced with a detailed review of the planned facility design, operational objectives and resilience requirements. The Advisors assessed the proposed architecture against recognised industry practices and considered the implications of consolidating critical services within a single campus environment.

A comprehensive risk framework was developed to identify, categorise and evaluate threats across multiple domains. Risks were grouped according to likelihood and business impact, enabling stakeholders to understand the relative significance of each issue. The assessment examined physical security, environmental exposure, utility infrastructure, operational processes, business continuity requirements, disaster recovery considerations and human-factor risks.

For each identified risk, the Advisors developed practical mitigation strategies aimed at reducing exposure and strengthening resilience. Recommendations included infrastructure segregation principles, enhanced fire compartmentalisation, redundant utility designs, alternate access arrangements, improved security controls, operational governance measures and geographically diverse contingency capabilities. Additional attention was given to validating assumptions underpinning the proposed design and identifying areas where further planning or decision-making was required.

RESULTS

The final deliverable consisted of a detailed independent risk assessment covering the proposed consolidated Data Centre strategy. The report provided a structured analysis of strategic, operational, technical and environmental risks associated with the preferred facility design and documented practical mitigation measures for each identified scenario.

The assessment categorised risks according to likelihood and impact, enabling stakeholders to clearly understand priority areas requiring attention. Detailed recommendations addressed facility resilience, access management, infrastructure redundancy, security controls, disaster recovery considerations and protection against environmental threats. The report also examined low-probability but high-impact scenarios to ensure a comprehensive evaluation of operational resilience.

In addition to narrative findings, the deliverable included risk rating matrices, mitigation frameworks and visual risk analysis charts that supported executive review and governance processes. The resulting documentation gave stakeholders a practical roadmap for strengthening resilience and progressing the proposed infrastructure strategy with greater confidence and informed oversight.

BENEFITS

The project delivered significant value by providing independent assurance over a major infrastructure investment decision. Leadership teams gained a clearer understanding of the risks associated with the proposed strategy and the controls necessary to mitigate potential operational disruption.

The engagement enabled decision-makers to move beyond assumptions and consider risks through a structured, evidence-based framework. By identifying threats across physical, technical, operational and environmental domains, the organisation was able to strengthen planning activities and improve overall resilience.

The detailed mitigation recommendations supported more informed design decisions and helped establish a stronger foundation for business continuity and disaster recovery planning. Stakeholders also benefited from improved visibility of interdependencies, infrastructure vulnerabilities and governance considerations that may not otherwise have been fully understood during early project planning.

The assessment provided confidence that the proposed strategy could proceed subject to appropriate controls being implemented. It contributed to stronger executive decision-making, improved risk awareness and enhanced alignment between technology objectives and organisational resilience goals. Ultimately, the organisation was better positioned to make a significant infrastructure decision with a comprehensive understanding of both potential risks and available mitigation pathways.

CLIENT FEEDBACK

"Bushey Advisors provided the independent insight and structured analysis our organisation needed during a critical infrastructure decision. Their team examined the proposed strategy from every angle, helping us understand not only the risks but also the practical actions required to mitigate them. The assessment was thorough, balanced and presented in a way that supported executive decision-making. The resulting recommendations strengthened our confidence in the proposed approach and helped ensure resilience considerations remained central throughout planning activities. The engagement delivered clarity, governance assurance and a solid foundation for progressing a complex infrastructure investment."

Chief Technology Officer
