

04 · CERTIFY

Operational resilience assessment for data centre facilities

Compliance certificates confirm what a facility was when certified. An Operational Resilience Assessment shows what it is now, and what it will need over the next three to five years.

WHAT THIS SERVICE COVERS

Certification confirms a point-in-time standard. Resilience assessment shows the trajectory.

The Operational Resilience Assessment covers six dimensions of operational health: infrastructure capacity utilisation, energy efficiency and sustainability, information security posture, equipment lifecycle and refresh requirements, operational process maturity against applicable SOP requirements, and fit-for-purpose safety assessment. The assessment is conducted by a multi-discipline team combining data centre engineering expertise with compliance and operational management system experience. The output is a structured benchmarking report showing where the facility stands against current best practice, a gap analysis against applicable standards, and a prioritised improvement roadmap covering the actions required over a three to five year horizon. It is not a certification audit and does not produce a certificate, but it produces a more comprehensive picture of operational health than any single certification programme.

Six assessment dimensions

Multi-standard benchmarking

Structured 3–5 year roadmap

WHAT WE DELIVER

Deliverables from this engagement

01

Infrastructure Health Check & Gap Analysis

Assessment of physical infrastructure condition, capacity headroom, redundancy levels, and gap analysis against TIA 942C and applicable standards.

02

Energy Efficiency & Sustainability Review

PUE assessment, cooling and power infrastructure efficiency analysis, benchmarked against current industry best practice and regulatory requirements.

03

Operational Sustainability & SOP Assessment

Review of standard operating procedures, maintenance programmes, change management, incident management, and training records.

04

Information Security Posture Review

Physical and electronic security assessment, access control review, CCTV coverage, and information security management against ISO 27001.

05

Equipment Lifecycle & Refresh Assessment

Assessment of equipment age, remaining useful life, and vendor support status, with an indicative refresh cost model over a five-year horizon.

06

Improvement Roadmap

Prioritised roadmap covering all findings across all six dimensions, with estimated costs, timelines, and recommended sequencing.

WHY TECHNAVIOUS

When this is more useful than a certification audit

1 Multi-dimensional rather than single-standard

A TIA 942C audit assesses infrastructure compliance. An ISO 27001 audit assesses information security. This assessment looks at both, plus energy efficiency, equipment lifecycle, process maturity, and safety, producing a complete picture.

2 Forward-looking rather than backward-looking

Certification audits confirm the facility met the standard at audit time. This assessment identifies what investment will be required over the next three to five years, more useful for capital expenditure planning.

3 Particularly valuable for investors and acquirers

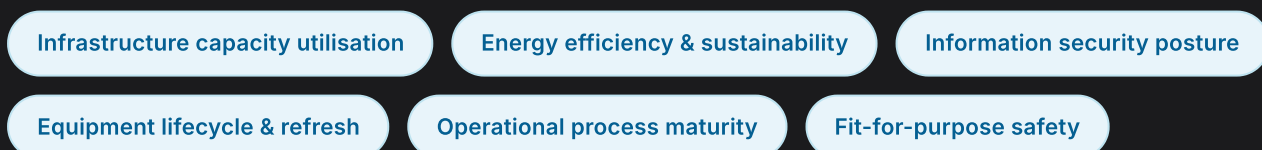
For an investor evaluating a data centre asset, this assessment provides independent, engineering-backed due diligence that identifies operational risks and upcoming capital requirements affecting the investment case.

HOW WE WORK

Four phases from scoping to roadmap delivery

01	02	03	04
Scoping	Assessment	Analysis	Roadmap delivery
Assessment scope and dimensions confirmed. Documentation list requested. Site visit scheduled.	Desktop documentation review and on-site assessment across all six dimensions conducted.	Findings analysed, benchmarked against current standards and best practice, and prioritised.	Benchmarking report and prioritised improvement roadmap delivered with client debrief.

THE SIX ASSESSMENT DIMENSIONS



CASE STUDIES

Assessment and compliance work we have delivered

PRIVATE SECTOR BANK

DC health-check and operations assessment across 40+ infrastructure tests and an eight-category O&M process audit. 500+ days of uninterrupted operations and 100% SLA performance achieved following remediation.

AUTOMOBILE MANUFACTURING PLANT

DC audit after planned UPS maintenance took 40–50% of racks offline for 8–9 hours. Root cause corrected across all 50 racks, with full N+1 redundancy restored.

INFRASTRUCTURE PROJECT CLIENT

Risk assessment of pending post-IST documentation, commissioning reports, and handover packages. All four high-risk documentation streams reduced to low risk with measurable closure milestones.

FREQUENTLY ASKED QUESTIONS

Questions we are regularly asked about this assessment

How is this different from a TVRA?

A TVRA is a structured assessment against the twelve operational risk domains, focused on threat and vulnerability identification. This assessment is broader, covering energy efficiency, equipment lifecycle, process maturity, and capital planning alongside security and risk.

Can the assessment be used for regulatory or investor reporting?

Yes. The benchmarking report and improvement roadmap are structured for direct use in investor and board reporting on operational risk management, and provide documented evidence of oversight for regulated industries.

Does the assessment replace the need for TIA or ISO certification?

No. It is a diagnostic tool providing a more comprehensive view of operational health than any single certification, and does not produce a certificate recognised by tenants or regulators. Most facilities use it alongside their certification programme.

How often should this assessment be conducted?

An initial baseline assessment followed by a biennial review is common for operators using the roadmap as an ongoing capital planning tool. For assets being acquired or refinanced, an ad hoc assessment is typically commissioned at the point of transaction.

Ready to scope your Operational Resilience Assessment?

Tell us your facility size and primary objective, whether investor due diligence, operational planning, or regulatory compliance.

[Talk to us today](#)