

BLUEPRINT TO BENCHMARK FOR DATA CENTERS

One partner. Full lifecycle.

Advisory to audit, under one roof.

From the first feasibility question to the final certification stamp, Technavious is the only partner you need for your data centre.

70+

DC customers
globally

15

countries
served

500+

years cumulative
expertise

TIA 942

accredited
certification body

Data centres are lifecycles. Most are delivered in fragments.

A typical project runs through 8 to 12 disconnected vendors. Planning hands off to design. Design hands off to the contractor. The contractor hands off to commissioning. At every handoff, knowledge is lost and accountability thins out.

90%

of DC projects run late

34%

average cost overrun

15%

of cost is compliance rework

6+ months

typical schedule slippage

One lifecycle. One accountable partner. No disconnects.

Technavious carries a single unbroken thread of engineering intent from first feasibility study to final audit certification. Compliant by design, not bolted on afterwards.

 PLAN

Make the right decision before capital is committed.

Planning decisions carry the most consequence in the whole lifecycle. PLAN covers the full pre-design stage, so investors, developers and operators get a bankable foundation before anything physical is committed. Outputs are built to go straight into AHJ submissions and investment papers.

- **DC project feasibility.** Business case, CapEx and OpEx modelling, rating mapping, statutory compliance roadmap.
- **DC site benchmarking.** Data-driven site ranking across power, fibre, environment and policy incentives.
- **Technical site due diligence.** Engineering, environmental, geotechnical and regulatory risk, greenfield or brownfield.
- **DC upgradation consulting.** PUE improvement, connectivity upgrades and compliance remediation for legacy sites.

4 to 6 weeks

saved before construction. Feasibility outputs are structured to serve directly as the basis for AHJ submissions and investment decisions.



DESIGN

Designed to build right the first time.

Bad design does not fail at the drawing stage. It fails on site, in commissioning, or at the first audit, where fixes cost ten times more. Every discipline is delivered in-house, so documentation is co-ordinated and clash-free. CFD airflow and ETAP electrical validation come as standard.

- **Decision accelerator pack.** Conceptual design and budget estimates in 30 to 45 days, drawn from 100+ validated reference designs.
- **Detailed design and execution support.** LOD 200 to LOD 450, simulation-validated digital twin, site support through to HOTO.
- **Testing and commissioning.** Independent T&C against design intent, through to operational readiness sign-off.
- **Pre-fabricated DC design pack.** Turnkey containerised sub-1MW solutions, site to HOTO in 24 weeks.

**60 to 70%
faster**

conceptual design against bespoke approaches. Designs arrive pre-aligned to international standards, so certification runs in parallel.



BUILD

Engineering-led delivery. Not just construction management.

Most build failures are not caused by weak materials or weak contractors. They come from design intent eroding through site decisions made without engineering oversight. At Technavious the team that produced the design governs its execution. Engaged as Owner's Engineer on a third-party design, the same rigour applies through independent conformance review.

- **EPC project management.** Full build governance: standards conformance review, value engineering, procurement, installation and HOTO.
- **Supply and installation.** Vendor-neutral procurement and installation of all non-IT infrastructure: power, cooling, ELV, fire protection and structured cabling.

**20 to 25%
optimised**

on cost through value engineering. Equipment is chosen on technical fit and passed through at cost plus a management fee. No vendor panel, no bundled margin.



CERTIFY

Certified. Credible. Globally recognised.

Technavious holds direct TIA 942-C auditing accreditation as one of only eight elite global ANSI/TIA certification bodies. A dedicated in-house team of auditors conducts the audit, resulting in fewer corrective action cycles and a shorter path to certificate.

- **TIA 942C certification.** Design, facility and product-ready certification, with gap analysis, CAPA, formal audit and surveillance in years two and three.
- **ISO-aligned operations certification.** ISO 9001, 14001, 27001, 45001 and 50001: gap assessment, policy, controls and external audit support.
- **Operational TVRA.** Threat, vulnerability and risk assessment across all TIA 942C operational domains, with quantified scoring and failover testing.
- **DC health check.** Independent gap analysis for operators who need a clear read on compliance and resilience today.

TIA 942C accredited

certification body, licensed since 2022. Certified facilities include hyperscaler-grade and enterprise colocation sites across India and South East Asia including a **Rated 4 facility**



BENCHMARK by Technavious

India's first practitioner-led data centre training programme

Delays and rework rarely trace back to equipment. They trace back to fragmented human expertise. Benchmark answers that with a knowledge architecture built around the real lifecycle, taught by Technavious engineers who plan, design, build, commission and audit live facilities.

11

certifications across five disciplines

2 tiers

Professional then Expert, no skipping

80

scenario questions at Expert level

Five disciplines. Planning. Design. Testing and commissioning. Operations and maintenance. Audit.

Two levels each. Professional (CDPP, CDDP, CDTP, CDOP, CDAP) and Expert (CDPE, CDDE, CDTE, CDOE, CDAE).

One entry point. CDFA, Certified Data Centre Foundation Associate.

WHY TECHNAVIOUS

One partner. Full lifecycle. No capability gaps.

DELIVERY SCALE

500+ MW delivered. 50+ engagements. 25+ data centres certified. 100+ TIA 942C-validated reference designs.

DELIVERY PERFORMANCE

100% first-time compliance. 8 to 10 months faster go-live. 24 weeks site to HOTO on pre-fabricated builds.

STANDARDS AUTHORITY

TIA 942C accredited. Certified across ISO 9001, 14001, 27001, 45001, 50001, IGBC and LEED, PCI DSS, SOC 2, GDPR.

GEOGRAPHIES

India, UAE, Oman, United Kingdom, United States, Singapore, Hong Kong, Vietnam, Indonesia, Bangladesh, Nigeria.

Let us plan your next data centre together.

One conversation. One partner. Every phase covered.

Book a discovery call

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www.technavious.com