

01 · PLAN

DC project feasibility study and Detailed Project Report

Before capital is committed to a data centre project, the fundamental questions need clear answers.

WHAT THIS SERVICE COVERS

Before capital is committed to a data centre project, the fundamental questions need clear answers.

Is this site technically viable? What will it cost to build and operate? What are the regulatory hurdles, and how long will they take to clear? Our data centre feasibility study answers all of these questions in a single structured engagement, producing a Detailed Project Report that is accepted directly by lenders, investors and regulatory authorities without requiring further third-party validation.

AHJ-ready DPR from day one

CapEx / OpEx / RoI modelling

4–6 weeks saved vs multi-consultant approach

WHAT WE DELIVER

Deliverables from this engagement

01

Detailed Project Report (DPR)

The primary deliverable. Technical concept, tier mapping against TIA 942C, power and utilities roadmap, and statutory compliance summary.

02

Capital & operating cost model

CapEx by infrastructure category, a ten-year OpEx model, and RoI analysis at multiple utilisation scenarios.

03

Tier feasibility assessment

Whether the site and programme can support the target TIA 942C rated level, and the constraints on higher ratings.

04

Power & utilities roadmap

Grid power availability, dedicated feeder timelines, fibre options, water availability, and utility cost benchmarking.

05

Regulatory compliance summary

Applicable AHJ requirements, planning regulations, environmental consents, and an estimated approval timeline.

06

Risk register

A prioritised risk register covering technical, regulatory, commercial and schedule risks, with mitigations.

WHY TECHNAVIOUS

What makes our data centre feasibility study different from a standard report

Most feasibility reports require further validation before a lender or AHJ will accept them. Ours are structured to be accepted directly.

1

Integrated multi-discipline team

Civil, structural, electrical, mechanical and regulatory specialists work in a single co-ordinated engagement, producing a more internally consistent DPR than reports assembled from separate consultant inputs.

2

TIA 942C alignment from the outset

Because Technavious holds TIA 942C auditor accreditation, every feasibility recommendation is traceable to certification requirements. Clients do not encounter compliance gaps when design and certification begin.

3

Lender-accepted financial model

Our CapEx and OpEx models are structured to the documentation standards of leading infrastructure lenders, which means they do not require reformatting or re-validation before reaching an investment committee.

HOW WE WORK

Five phases from initial brief to final report

01	02	03	04	05
Brief & scoping	Desk analysis	Field verification	Interim review	DPR delivery
Objectives, site, target tier, use case confirmed. Data room established.	Utility data, regulatory framework, and market data gathered and analysed.	Site visit, utility confirmation, preliminary AHJ consultation where required.	Preliminary findings shared for client review before final preparation.	Final report delivered with stakeholder debrief and Q&A.

WHAT THE DPR COVERS

Detailed Project Report

CapEx / OpEx / RoI model

Tier feasibility assessment

Power & utilities roadmap

Regulatory compliance summary

Risk register

CASE STUDIES

Planning and design work we have delivered

LEADING INDIAN STOCK EXCHANGE

Data centre infrastructure modernisation under significant time pressure. Capacity upgrade delivered on time with trading operations uninterrupted throughout, and full regulatory compliance achieved without operational compromise.

COLOCATION SERVICE PROVIDER, JORDAN

HVAC and cooling stabilisation for a 0.75MW facility. Recurring chiller shutdowns and alarm cycles eliminated, with a documented, prevention-first framework established to protect customer SLAs.

MANAGED OFFICE & CO-WORKING PROVIDER

New colocation data centre built from the ground up. 100% of infrastructure independently validated, with simultaneous ISO 9001, 14001 and 27001 certification achieved in a single project.

FREQUENTLY ASKED QUESTIONS

Questions we are regularly asked about DC feasibility studies

What is included in a Detailed Project Report?

A Technavious DPR covers technical concept and tier feasibility, power and utilities roadmap, CapEx and OpEx modelling with RoI analysis, regulatory compliance summary, and a prioritised risk register.

How long does a data centre feasibility study take in India?

A standard feasibility engagement runs six to eight weeks from scoping to DPR delivery. Multi-site studies, or studies requiring specialist sub-studies, typically run ten to fourteen weeks. We confirm the timeline at scoping.

Can the DPR be used for AHJ submissions and lender presentations without modification?

Yes. The DPR is structured to meet the documentation requirements of both regulatory authorities and institutional lenders. In the large majority of cases, no reformatting or re-validation is required before submission.

Does the feasibility study include TIA 942C alignment?

Yes. Because Technavious holds TIA 942C auditor accreditation, every feasibility recommendation is assessed against certification requirements from the outset, including any design constraints that would affect certification.

Ready to scope your DC project feasibility study?

Tell us your site, target tier, and capacity, and we will confirm a scope tailored to your requirements.

[Talk to us today](#)