

01 · PLAN

Right decisions before capital is committed

Most data centre investment decisions are made before the hard questions have been asked. Our data centre planning services change that.

INTRODUCTION

Most data centre investment decisions are made before the hard questions have been asked. Site risks are unquantified, regulatory hurdles are unknown, and financial models are built on assumptions rather than evidence. Our data centre planning services change that.

50+ Planning engagements	4–6 wks Saved pre-construction	100% AHJ-ready deliverables	Pan-global Coverage
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WHAT IS INCLUDED

Four services across the full pre-design lifecycle

Each service targets a specific stage of the data centre infrastructure planning and decision-making journey. They can be engaged individually or as a sequenced programme.

01 · Feasibility Study

Know if your project is viable before committing capital

Structured analysis of technical viability, financial performance, and statutory compliance, producing a DPR usable for AHJ submissions, lender presentations, and investment committee approvals.

DPR with CapEx/OpEx/RoI

Tier mapping (TIA 942C)

Power & utilities roadmap

AHJ package

Risk register

02 · Site Benchmarking

Remove subjectivity from site selection

Structured assessment and ranking of shortlisted land parcels across power, fibre, latency, environmental risk, regulatory fit, and commercial levers. Unit-priced per site.

Location SWOT per site

Benchmarking scorecard

Policy & incentive mapping

Negotiation points

03 · Site Due Diligence

A rigorous go or no-go gate before construction begins

Two phases: Initial Analysis for rapid risk screening (4–6 weeks) and Detailed Analysis for investment-grade due diligence covering geotechnical, environmental, and regulatory domains.

TVRA & TRAM analysis

Geotechnical surveys

EIA Phase 1 & 2

Sun path analysis

Regulatory compliance

04 · Upgradation

Optimise and future-proof your existing facility

Advisory for operators of legacy, brownfield or sub-optimal assets, covering PUE improvement, connectivity redesign, and compliance posture, with a structured assessment and prioritised roadmap.

PUE enhancement roadmap

Connectivity & DC interconnect

Compliance posture plan

Asset upgrade matrix

WHY TECHNAVIOUS

What makes our data centre planning services different

Generic feasibility reports require further validation. Ours do not.

Every deliverable is bankable, AHJ-ready, and certification-aligned from day one.

1 Engineering depth across all sub-disciplines

In-house specialists across civil, structural, electrical, mechanical, and ELV work together on a holistic assessment, rather than siloed opinions from separate consultants.

2 Regulatory intelligence across markets

Established relationships with AHJs, utility providers, and environmental bodies accelerate data gathering and produce more accurate compliance assessments.

3 TIA 942C alignment from the first deliverable

As a TIA 942C accredited organisation, our planning recommendations are directly traceable to certification requirements, which eliminates costly redesigns downstream.

HOW WE WORK

A structured six-phase engagement

Every planning engagement follows a structured process with clear decision points. Clients are never committed to full scope before understanding preliminary findings.

01 Scoping Project type, use case, site shortlist, and desired outcomes are defined.	02 Mobilisation NDA, statement of work, site access, and data room are established.	03 Field & desk work Surveys, sampling, utility data, financial modelling, and analysis.	04 Interim review Preliminary findings shared with the client for a sense-check.	05 Delivery Final reports, stakeholder debrief, questions and recommendations.	06 Ongoing support AHJ submissions, investor queries, regulatory follow-up.
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FOUR SERVICES, ONE LIFECYCLE

DC Project Feasibility

Site Benchmarking

Site Due Diligence

Upgradation Consulting

CASE STUDIES

Planning and design work we have delivered

LEADING INDIAN STOCK EXCHANGE

Infrastructure expansion and modernisation within an existing live premises. 120 additional racks delivered with full multi-standard sign-off across Rated 3, IEEE and ASHRAE, completed in four months with zero disruption to live exchange operations.

HYPERSCALE DC OPERATOR

Power density upgrade across 100 live racks, from 6 kVA to 15 kVA. A 150% density increase, CFD-validated with zero hot spots, delivered without disrupting tenant operations.

HYPERSCALE DC OPERATOR, TWO SITES

Independent design peer review ahead of commissioning. Design corrections completed before any racks were powered on, preventing the commissioning of a thermally inadequate facility and avoiding costly rework.

FREQUENTLY ASKED QUESTIONS

Questions we are regularly asked about DC planning

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

A standard DC Project Feasibility engagement takes six to eight weeks from scoping to final DPR delivery. Timelines extend when projects involve multiple sites or specialist sub-studies such as geotechnical surveys.

Is the DPR accepted by lenders and investors?

Yes. The DPR is structured to meet the documentation requirements of leading infrastructure lenders and institutional investors, including the financial model, risk register, and AHJ compliance package.

What does technical site due diligence cover that a desktop study does not?

A full technical site due diligence includes physical field surveys, laboratory sample testing, drone surveys, geotechnical investigations, and digital data analysis, going far beyond what existing data sources alone can reveal.

Can you cover sites outside India?

Yes. Technavious has delivered planning engagements across Asia-Pacific, the Middle East, the UK, and the United States, deploying our partner network alongside our in-house team for local regulatory knowledge.

Ready to scope your data centre planning engagement?

Tell us your site count, use case, and timeline, and we will turn it into a structured scope. No commitment required.

Talk to us today