

From Demand to Deployment, On Time

Business Objective

A hyperscale DC operator in India needed to urgently deploy 50 racks at 12 kVA capacity to fulfil a colocation and caging requirement for a major BFSI client while existing cooling design validation had never been performed and the power distribution architecture was over-cabled and undersized for the new demand.



BUSINESS NEED

Urgently Deploy 50 Racks at 12 kVA for a BFSI Client

- Execute colocation and caging works within an existing server hall to accommodate a high-value BFSI client's immediate capacity requirement.

Correct Cooling Capacity for Increased IT Load

- Validate and recalculate cooling requirements to address the increased demand and eliminate negative airflow across the data hall.

Optimise Power Distribution Architecture

- Replace the over-cabled distribution approach with a scalable, simplified electrical infrastructure to support current and future load growth.

SOLUTION & IMPACT

BFSI Colo Delivered On Time

- Urgent 50-rack requirement fulfilled within the existing hyperscale facility, protecting a high-value commercial relationship.

Cooling Risks Corrected. Hot Spots Prevented.

- First-ever cooling validation identified negative airflow that had gone undetected since commissioning.

Scalable Electrical Infrastructure Delivered

- Continuous bus bar replaced over-cabled distribution, enabling further colocation growth.

Conclusion

Technavious executed a fast-turnaround DC revamp that simultaneously fulfilled an urgent BFSI colocation requirement and corrected longstanding cooling and electrical design deficiencies in an existing hyperscale facility. The result was a scalable, thermally validated colocation environment delivered under commercial time pressure protecting the operator's BFSI revenue and positioning the facility for continued growth.