



Case Study ON

In-house Datacenter
Specialist for a
Leading Cooperative Bank

About

This prominent Cooperative Bank was founded in 1985 and will soon be celebrating its 25th anniversary. It is one of the most rapidly expanding cooperative banks in one of Maharashtra, India's districts, with a net profit of more than 1000 Lakhs in 2021-22. The bank operates in 12 Talukas with 55 Branches and a fully operational Core Banking System. ATM services are available at all Talukas. Despite the fact that many of its branches are located in deeply rural regions of Maharashtra, the organization has been successful in implementing an integrated banking system in its regions of operation.

The diverse cooperative societies of the district have placed their trust in this leading cooperative bank by purchasing its stock. The bank consistently maintains a CAPITAL ADEQUACY RATIO of 14.55% or greater, i.e., greater than 50% of the required ratio (According to NABARD, the ratio must be at least 9%).

The bank has received several prestigious awards from NABARD and also the Banking Frontiers Award in the fiscal year 2017-18 from the ex-Governor of RBI as a result of the periodic launch and running of various schemes for the benefit of society, such as MahilaBachat Gat and Self-help Groups.

The Challenges:

- Adherence to Regulatory Mandates: The bank needed to comply with regulatory mandates for operations, which required robust data security and disaster recovery measures.
- Need for an In-House Data Center: The Bank required a reliable and scalable in-house data center with modern and scalable technology to handle increasing demands.
- High on Compliance: The bank was required to build a data center that was in compliance with RBI mandates to ensure high reliability and continuous availability.
- Security Concerns for Citizen Data: The Bank was concerned about security exposure for the citizen data of their customers in case of hosting the same with any third party.
- Legacy Data Management Systems: The bank faced challenges with outdated data management systems, impacting efficiency and data security.

Summary

- Regulatory Mandates
- In-House Data Center
- Certification and Tier IV
- No Outsourcing
- Legacy Data Systems

How Pi Led the Way

- Design and Build: Pi brought its extensive experience in building next-generation modular data centers keeping operational excellence and lower cost of operations at the center of its planning.
- Quick to the market: Our In-house capabilities of conceptual designing, layout and space planning, operational workflow designing, and building the mechanical and electrical architecture made things seamless and quick to the market for the Bank.
- State-of-the-Art Cooling System: Pi designed and installed a centralized, energy-efficient cooling system, maintaining optimal thermal conditions within the data hall for maximum equipment performance.
- Electrical System Redundancy: Pi provided a fault-tolerant electrical distribution system with an N+1 configuration, ensuring uninterrupted power supply to critical IT infrastructure.
- Physical Security Features: Pi implemented a comprehensive physical security protocol, including UV vehicle scanners, automatic bollards, badge-scanning doors, and biometric access at various levels. This enhanced security ensured that only authorized personnel gained access to the facility.
- Logical Security Features: A robust logical security measures, including firewalls, intrusion detection, and data encryption, were implemented, ensuring data integrity and protection against cyber threats.
- Migration Process: Pi meticulously planned and executed the data center migration, minimizing downtime and ensuring a smooth transition to the new facility without data loss.

Summary

- Design and Build
- Comprehensive physical and logical security measures
- State-of-the-art cooling system for the optimal thermal environment
- Fault-tolerant electrical system with N+1 redundancy
- A meticulous data center migration process ensures minimal downtime.
- Quick to the market

Conclusion

The Bank, in partnership with Pi DATACENTERS®, overcame challenges related to data center limitations, security, regulatory compliance, and outdated systems. Our In-house capabilities, extensive hands-on experience, and innovative solution designing enabled the Bank to enhance operational efficiency, data security, and disaster recovery capabilities. The successful migration process had minimal disruption, positioning the Bank as a leading financial institution in the region while retaining control over its data center operations. This whole project being successfully carried out not only helped the bank to modernize its data-keeping but also served its customers with enhanced efficiency while being ready for future growth.