



Securing India's Largest Power Utility: A Private Cloud & SOC - Build & Run - Case Study

SUCCESS STORY | PRIVATE CLOUD & CYBER SECURITY

Business Need



CLIENT

India's Largest Power Utility Corporation that Serves a customer base of 30 million and generates ₹10 billion in revenue annually.

- To Support robust business growth and embark on a digital transformation journey by automating five critical business processes: HR, Finance, Procurement, Material Management, and Project Systems using SAP HANA.
- To Build most advanced, secure, resilient, and scalable private cloud environment in an on-premises data center to support 30,000 employees and meet the operational demands of a large-scale power utility.
- To Provide O&M Run for such Mission Critical and highly secured & Complex Digital environment and ensure High Availability & highest level of Security



Business Challenges

- **Large-Scale Private Cloud Build:**
Deploy a private cloud using cutting-edge technologies that is scalable, resilient, and highly secure against evolving cyber threats.
- **High Availability and Reliability:**
Ensure continuous operations with robust disaster recovery mechanisms to minimize downtime and maintain service reliability for 30 million customers.
- **Regulatory Compliance:**
Adhere to stringent power sector-specific regulatory requirements, ensuring data protection and operational integrity.
- **Security Monitoring and Threat Management:**
Establish effective security monitoring, incident response, and threat management capabilities customized to the unique threat landscape of the power sector.

Solution & Technology Stack



Sechorizon Datacenter/Network/Cyber Security Experts Designed & Built such large scale On Prem Datacenter (DC & DR) with most advanced Technologies like CISCO ACI, VMWare, IBM Qradar /Resilient, Kaspersky, ManageEngine etc.

Server Infrastructure:

Utilized Cisco hardware with VMware virtualization for efficient resource management, and Cisco ACI for network automation and optimization.

Network and Security:

Implemented Cisco NextGen Firewalls and switches to secure the network perimeter and internal traffic, providing a robust defense against cyber threats.

Cyber Security & 24x7x365 Security Operations Center (SOC):

- IBM QRadar SIEM for real-time threat detection.
- IBM Resilient SOAR for automated incident response.
- Kaspersky Antivirus for endpoint protection.
- Cisco Threat Grid and AMP for advanced malware protection.
- Qualys for internal vulnerability assessments.
- Cisco and IBM Threat Intelligence for proactive threat hunting.

IT Service Management (ITSM):

Deployed 24x7x365 NOC & IT Help-Desk using ManageEngine Monitoring & ITSM system to Ensure round the clock Alert management, service management, enhance incident handling, and ensure operational efficiency.



SecHorizon Differentiator



Advanced Private Cloud Architecture:

Delivered a highly scalable and resilient private cloud tailored to the power sector, supporting 30,000 employees and a 30-million-strong customer base.



Comprehensive Cybersecurity Framework:

Implemented a multi-layered security approach integrating network security, endpoint protection, SIEM, SOAR, and threat intelligence to safeguard critical infrastructure.



Customized Threat Management:

Designed a SOC with IBM QRadar, Resilient SOAR, and other advanced tools, specifically tailored to address the power sector's unique cybersecurity challenges.



Regulatory Compliance Expertise:

Ensured full compliance with power sector-specific regulations, providing confidence in data protection and operational standards.



Operational Excellence:

Achieved high availability and business continuity through a dual-site DC and DR setup, paired with an ITIL-based ITSM system for optimized service delivery.

ABOUT SECHORIZON

At SecHorizon, we specialize in design-Build & Managed Services for IT infrastructure and transforming cybersecurity postures to help businesses effectively mitigate risks. As a pure-play Cloud & cybersecurity services company, we bring deep expertise in Private/Public/Hybrid Cloud design-build-Managed Services and entire horizon of Cybersecurity – Cloud Security, Datacenter/Network Security, End-point Security (EDR/XDR) Identity and Access Management, VAPT, & Managed SOC.

Join us in building and running your Cloud Platform (IaaS/PaaS) and strengthening your cybersecurity posture and safeguarding your digital horizon. For More Information Visit us at : www.sechorizon.com