Protecting Critical Infrastructure from Cyber Threats

Industry: Banking & Finance

Client: Pharmaceutical Manufacturer, Hyderabad, India

The Challenge

- ✓ Phishing & unauthorized access attempts
- ✓ Legacy systems with vulnerabilities
- ✓ Poor audit readiness
- ✓ No central threat monitoring

Our Approach

We designed a **multi-layer security model to:**

- ✓ Segment networks
- ✓ Add live threat detection
- ✓ Secure OT & IT systems
- ✓ Ensure compliance

Key Solutions

- ✓ **Firewall & Access Controls:** Role-based, secure zones
- ✓ **Endpoint Detection:** SIEM with real-time alerts
- ✓ **Zero Trust + MFA:** Strong user authentication
- ✓ **Audit-Ready Framework:** For GDPR, FDA, ISO

Tech Stack

FORTINET | splunk> | Microsoft Defender | Active Directory | Cisco Umbrella

Impact Summary

Metric	Before	After
Threat Detection Time	Hours	Minutes
Compliance Readiness	Manual	Automated
Network Vulnerabilities	High Risk	-99.9% Exposed
Access Control	Weak	Zero Trust MFA

Results at a Glance

99.9%		2X	0%
less equipment failure	faster safety alerts	improvement in audit data	real-time field visibility

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