

From Fragmented Network Visibility to Automated Global Threat Neutralization

AMBITION

Digital infrastructure and IoT connectivity environments faced increased exposure to ransomware and unauthorized data access. The organization operated with limited visibility, monitoring only 25 critical devices, which left the network vulnerable to business-ending breaches. A transition was required to establish a 24x7 security framework capable of detecting threats in real-time across more than 200 assets while reducing the cost of global security operations.

ACTION

Wipro Engineering – Connected Services executed a 4-week transition of security operations, establishing a full-time incident response team. The engineering team modernized the legacy security information and event management (SIEM) architecture and implemented endpoint protection to facilitate safe information exchange. Engineers structured automated workflows for high-volume activities, such as hardware access management, and integrated custom rules to isolate critical alerts. Monitoring coverage was expanded from 25 to 200 devices, enabling continuous integration of security data and daily incident management across the global network.

AMBITIONS REALIZED

The framework established a modernized security architecture to ensure business resilience and proactive threat containment.

The Business Impact:

- **1-minute mean time to detect** critical security issues.
- **10-minute mean time to contain** identified breaches.
- **15% reduction in operational costs** through automated security workflows.
- **8x increase in monitoring coverage** for 200 critical assets.
- **100% adherence to defined SLAs** across all security operations.

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