

Building a cybersecurity powerhouse

A utility leader takes the lead on security



Technology, services, and standards

- Capgemini professional services
- Cybersecurity strategy
- Technology implementation
- NERC Critical Infrastructure Protection (CIP) compliance

Industry: Energy and utilities

Location: North America



Business need:

- After becoming the target of a large-scale advanced persistent threat (APT), the organization looked to enhance its cybersecurity posture
- Network protection tools – antivirus scanners and firewalls – identified the threat and isolated it, but the fact that the APT breached these tools proved the company was vulnerable
- Establishment of a centralized security operations center (SOC)
- The company wanted to evolve from a reactive security organization to a proactive one.



Solution:

- Establishment of cybersecurity processes and executives, as well as dedicated teams to handle day-to-day APT identification and response
- Construction of a core nucleus of expert-level threat-monitoring and incident-response teams
- Implementation of a phase-based defense model to resist future attacks
- Robust training of cybersecurity resources on best practices
- Installation of an intelligence-management system that works with existing tools to centralize data and identify threats

- Change-management processes that established a SOC and fostered a new, proactive approach to cybersecurity.



Results:

- Successful rollout of a cross-functional SOC that works with the entire enterprise to defend against cyberattacks
- Full NERC CIP compliance
- Universal recognition as a cybersecurity leader; it now willingly shares best practices
- Comprehensive coverage against modern threats in a sustainable, scalable security model.



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