



OIL & GAS

# CONTROL UPGRADES: CYBER SECURITY

An oil & gas company required stronger industrial control system (ICS) protections to defend against cyber threats and comply with industry standards

## GE Installs SecurityST Solution for Middle Eastern Oil & Gas Company to Enhance Cyber Security



### CUSTOMER

A global petroleum enterprise and a world leader in oil & gas.

### CHALLENGE

A large oil & gas company had to bolster its cyber infrastructure to protect its ICS network against sophisticated threats. To meet the needs of three distinct operational technology environments, the organization required a centralized security management solution with a defense-in-depth system. Only a trusted partner with expertise in both oil and gas and cyber security could provide a customized solution to meet its needs.

### GE AS PART OF THE SOLUTION

With local expertise in the region, GE was able to understand the organization's actual needs. GE developed a customized SecurityST solution to meet the oil and gas company's Software Identification (SWID) audit requirements and site configurations. Installed to protect three physically separated sites, the SecurityST solution helps mitigate cyber vulnerabilities at the network, endpoint and controller levels. This centralized system employs modular defensive services and technologies to give the organization a single vantage point to:

- See its cyber security posture
- Implement proactive strategies and policies to protect critical control system and related networks
- Provide a centralized reporting capability to manage cyber risk

### TECHNOLOGY HIGHLIGHTS

- Achilles® Practice Certified – Bronze, indicating the solution has undergone strict cyber security best practices demonstrating that systems are developed and implemented securely.
- Designed to support the facilities operations' compliance to cyber security standards and guidelines including ISA99/IEC 62443.
- Can be extended to accommodate any field challenges.



**STRONGER  
PROTECTION  
AGAINST CYBER  
THREATS**



**CENTRALIZED  
SYSTEM TO PROTECT  
THREE SITES**



**LEAN  
FLEXIBLE AND  
FAST IMPLEMENTATION**

Another example of how  
GE secures digital industry  
worldwide.