

Cybersecurity for Energy Operators in the Oil & Gas Industry



Key Benefits of DOME

- Device-level ICS / OT security purpose-built for protecting industrial controls
- Real-time protection stops cyber attacks
- Easy to deploy – reduces demand on IT / Cyber resources
- Protects critical facility operations to the edge of the ICS / OT network
- Immediate protection in under 60 seconds – saving time and money
- Integrates with select Advantech industrial hardware for 24/7 reliability, lower total cost of ownership and long-term support
- Flexible and scalable hardware designed for easy upgrades and expansion of coverage

Cybersecurity Challenges for the Oil & Gas Industry

Oil & Gas operations are challenged with a growing volume of cyberattacks that mean more than just crippling operations and loss of revenues. Establishing protection and prevention strategies against increasingly sophisticated attacks are among the top priorities within the industry.

Unprotected Industrial Control Systems (ICS) and Operational Technology (OT) devices can give hackers access to valuable data on connected IT networks or even be used to hold oil and gas operators 'hostage' in return for a ransom. Cybersecurity monitoring solutions are important in industrial facilities, but do not stop cyberattacks. The controllers and devices must be protected in real-time to safeguard the data and commands used to manage plant operations. Upstream, midstream and downstream operators need to protect their ICS/OT devices, employees, and assets with a complete solution designed for easy deployment.

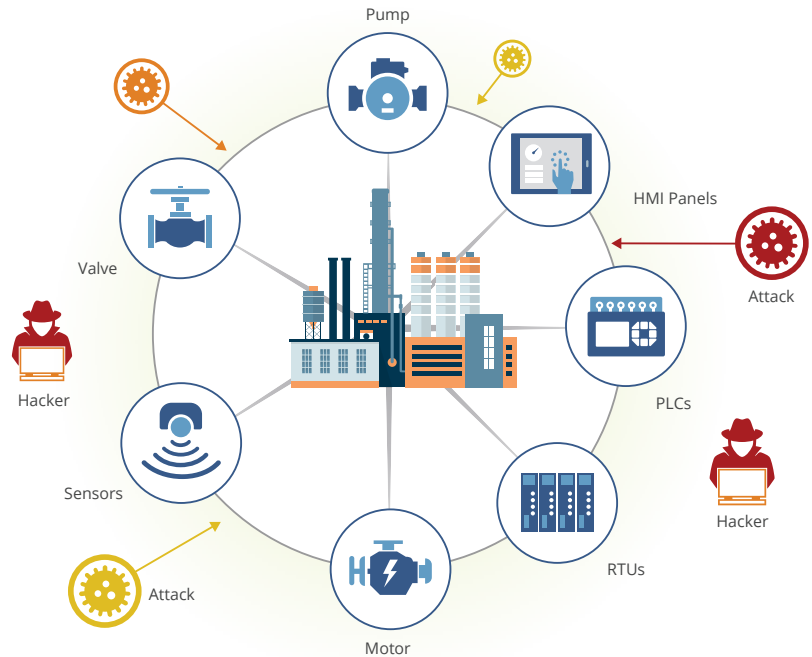
Real-Time Security for Every ICS/OT Device

Advantech's DOME™ solution, developed by our partners Veridify Security, Intel and AWS, provides an effective way to secure and manage every process control and automation device in new or existing oil and gas operations. DOME is 100% NIST Zero Trust compliant, delivering authentication and data protection to the edge of an ICS/OT network running on today's most popular industrial communication protocols. DOME stops cyberattacks before they can happen.

DOME is a Software-as-a-Service (SaaS) solution. Its 'zero-touch' installation process automates the difficult task of correctly implementing security protocols and credentials into new devices in your network - saving time and money while avoiding expensive mistakes.

Secure Every Device in your ICS/OT Network, Protecting New and Legacy Control Systems

DOME can secure thousands of connected devices, from PLCs and RTUs to sensors, actuators, and HMIs often found in an ICS/OT network. DOME can also protect your current plants and their legacy ICS systems, saving time and money while delivering the most advanced security available.



Bundle includes: Verify DOME™ Software License, Advantech UNO-2271GV2, and Two ECU-150

DOME SaaS/Dashboard



- Analytics
- Security Alerts
- Daily Status Email
- Low-Cost SaaS Model

DOME Interface UNO-2271GV2



ADVANTECH

- Manages Cloud Connection
- Device Management
- Credential Management
- Data Logging Capture

DOME Sentry ECU-150

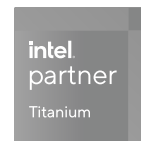


ADVANTECH

- STOPS Cyber Attacks
- Works with Installed Device
- 100% NIST Zero Trust Framework
- Installs in Under 45 Seconds
- Protects 1:1 and 1: Many Devices

DOME Starter Kit includes DOME Dashboard, DOME Interface Appliance, and two DOME Sentry Devices. A subscription is required for the dashboard.

Contact us to learn more on how we can help protect your mission-critical operations with DOME's cyber protection.



ADVANTECH

Enabling an Intelligent Planet

Email us at: ANA.SmartSpaces@Advantech.com
Call 1-888-576-9668
OR contact your sales representative