

# Dragos and Yokogawa Global Partnership

## Protecting Industrial Infrastructure

### Highlights



#### Global Collaboration

Dragos, a leader in operational technology (OT) cybersecurity, partners with Yokogawa Electric Corporation, a renowned industrial automation provider. This collaboration offers comprehensive protection for industrial environments worldwide.



#### Integrated OT Security

Combines Dragos's OT cybersecurity platform with Yokogawa's industrial automation expertise, providing unparalleled visibility and protection for critical infrastructure.



#### Enhanced CENTUM VP Integration

The Dragos Platform is validated within Yokogawa's CENTUM VP Distributed Control System (DCS), ensuring seamless integration and optimized performance.



#### Comprehensive OT-Native Visibility

Offers automated discovery, management, and continuous monitoring of assets in OT environments, including OT, IT, IoT, and cyber-physical systems.



#### Global Service Network

Provides access to a full range of OT cybersecurity services through Yokogawa's global network, catering to the unique needs of processing and manufacturing industries.

## Challenges Faced by Industries

As industries undergo digital transformation, they face a multitude of cybersecurity challenges in their operational technology (OT) environments. These challenges range from sophisticated cyber threats to complex operational constraints, creating a pressing need for robust and specialized security solutions.

Industrial organizations face:

<b>Increasing Cyber Threats</b>	Critical infrastructure sectors facing sophisticated and frequent cyber attacks.
<b>Complex OT Environments</b>	Difficulty managing vulnerabilities where downtime and patching are often unfeasible.
<b>IT/OT Integration</b>	Blurring lines between IT and OT networks create new security challenges.
<b>Lack of Visibility</b>	Limited comprehensive insight into OT assets, threats, and vulnerabilities.
<b>Skill Gaps</b>	Shortage of cybersecurity professionals with specific OT security expertise.

## Solutions to These Challenges

To address these challenges, Dragos and Yokogawa are collaborating to develop innovative approaches and technologies that provide comprehensive protection, enhanced visibility, and expert support to safeguard industrial environments against evolving cyber threats.

<b>Comprehensive Asset Visibility</b>	The Dragos Platform provides automated discovery and continuous monitoring of OT assets, offering a dynamic catalogue of assets within OT environments.
<b>Advanced Threat Detection</b>	Leveraging Dragos's OT-specific threat intelligence, the solution rapidly pinpoints malicious activity in ICS/OT networks with reduced false positives.
<b>OT-Specific Vulnerability Management</b>	The partnership offers corrected, enriched, and prioritized OT-specific vulnerability guidance, including "Now, Next, Never" remediation recommendations.
<b>Integrated IT/OT Security</b>	The joint solution enables organizations to align to SANS ICS 5 Critical Controls, delivering a comprehensive approach to securing both IT and OT systems.
<b>Expert Support</b>	Yokogawa's global service network provides 24/7 support, training, and on-site visits, bridging the skill gap in OT security.

# How the Dragos Platform and Yokogawa CENTUM VP DCS Work Together

Dragos's cutting-edge OT cybersecurity platform, the Dragos Platform, is interoperable with Yokogawa's industry-leading CENTUM VP distributed control system (DCS). This powerful combination enhances OT security while maintaining operational efficiency.

## Validated Integration

The Dragos Platform has been validated within Yokogawa's CENTUM VP DCS, ensuring compatibility and optimal performance.

## Deep OT Visibility

The integrated solution enables OT network visibility from level 1 to level 3 of the Purdue Model, providing comprehensive insights into the CENTUM VP environment.

## CENTUM VP-Specific Capabilities

The Dragos Platform incorporates CENTUM VP platform-specific capabilities, including protocol dissectors, asset characterizations, and threat behavior analytics.

## Seamless Data Flow

The integration allows for efficient data exchange between the Dragos Platform and CENTUM VP, enabling real-time threat detection and response.

## Unified Management

Operators can manage both cybersecurity and process control aspects from a centralized interface, streamlining operations and incident response.

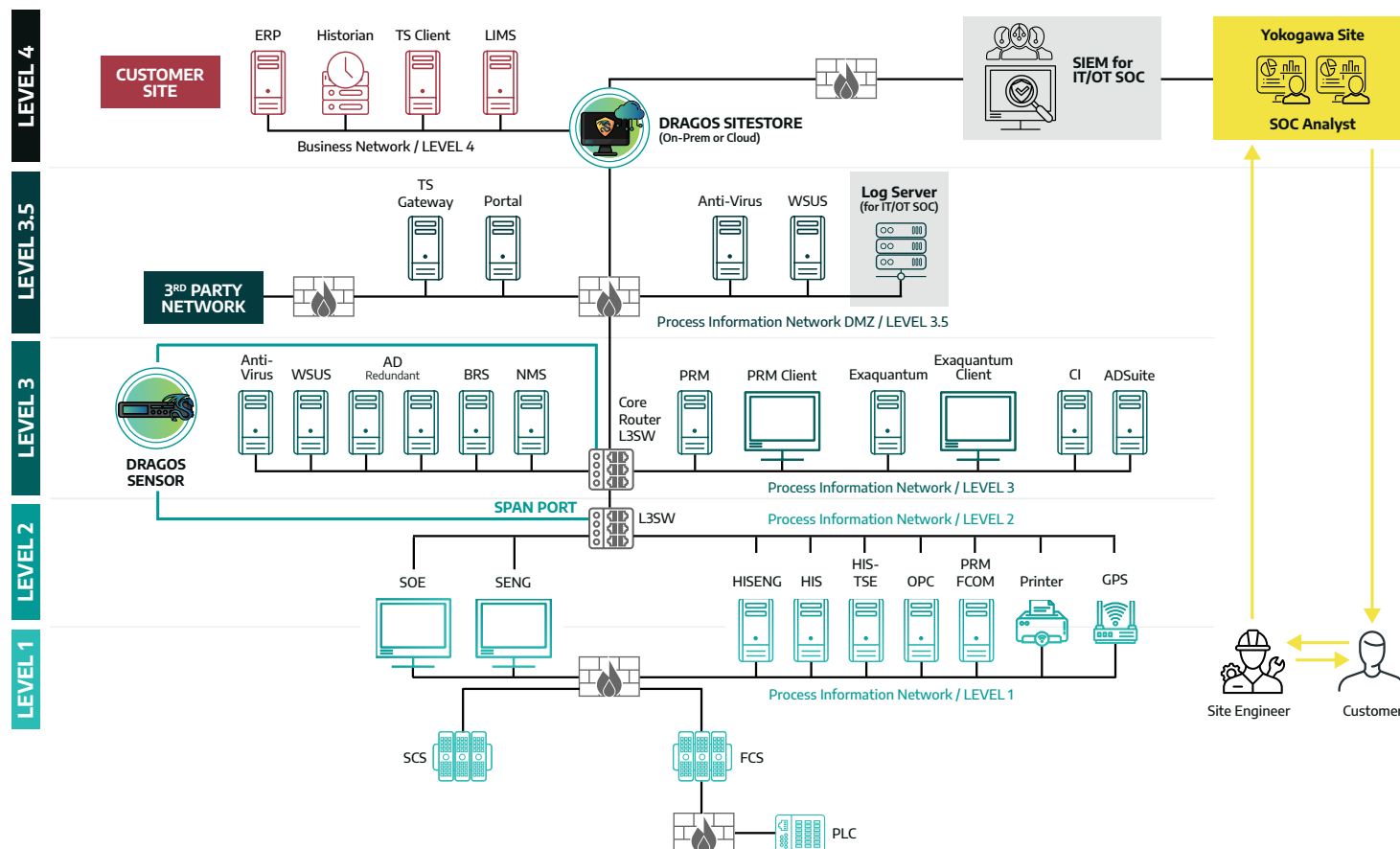


Figure 1. Yokogawa standard system architecture showing OT assets from the Dragos Platform

The Dragos Platform-Yokogawa CENTUM VP DCS integration offers a range of benefits that significantly impact an organization's security posture. Its unique differentiators set it apart in the crowded field of cybersecurity solutions, making it an invaluable tool for industrial environments.

<b>Global Support Network</b>	Yokogawa's worldwide service network for on-site support and expertise.
<b>Customized Training</b>	Joint customers receive tailored cybersecurity training that combines Dragos's OT security expertise with Yokogawa's process control knowledge.
<b>Continuous Improvement</b>	Regular updates and content packs from Dragos ensure that the security solution evolves with the threat landscape.
<b>Managed Services</b>	Yokogawa offers managed cybersecurity services, leveraging the Dragos Platform for continuous monitoring and rapid incident response.
<b>Compliance Support</b>	The integrated solution helps organizations meet various industry standards and regulations, including NIST, IEC 62443, and NERC CIP.

## Benefits and Impacts

The Dragos and Yokogawa partnership delivers a comprehensive suite of benefits that significantly enhance industrial cybersecurity while driving operational excellence. This collaboration uniquely combines cutting-edge OT security with deep industrial automation expertise, offering a solution that not only protects critical infrastructure but also optimizes performance and efficiency.

<b>Enhanced OT Security Posture</b>	Significantly improves detection, response, and mitigation of OT-specific cyber threats through an OT-native approach, unlike IT-centric solutions.
<b>Operational Continuity and Efficiency</b>	Minimizes downtime with alternative mitigation strategies for vulnerabilities, while providing valuable insights into OT assets and operations.
<b>Cost-Effective Compliance</b>	The integrated approach reduces the need for multiple security solutions, lowering costs while aiding in meeting various industry regulations and standards.
<b>Cybersecurity Platform Validation</b>	Dragos Platform's validation within CENTUM VP DCS ensures seamless compatibility, leveraging the combined expertise of Dragos's OT cybersecurity leadership and Yokogawa's industrial automation experience.
<b>Global Reach with Local Support</b>	Yokogawa's worldwide presence offers global consistency with on-the-ground expertise, providing 24/7 support tailored to regional needs.
<b>Continuous Innovation</b>	Both partners are committed to ongoing R&D, ensuring the solution evolves with the ever-changing threat landscape and emerging industrial technologies.



### About Dragos, Inc.

Dragos, Inc. has a global mission to safeguard civilization from those trying to disrupt the industrial infrastructure we depend on every day. Dragos is privately held and headquartered in the Washington, DC area with regional presence around the world, including Canada, Australia, New Zealand, Europe, and the Middle East.

Learn more about our technology, services, and threat intelligence offerings:

[Request a Demo](#)[Contact Us](#)

## ◆ YOKOGAWA

### About Yokogawa

Yokogawa provides advanced solutions in the areas of measurement, control, and information to customers across a broad range of industries, including energy, chemicals, materials, pharmaceuticals, and food. Yokogawa addresses customer issues regarding the optimization of production, assets, and the supply chain with the effective application of digital technologies, enabling the transition to autonomous operations.

Founded in Tokyo in 1915, Yokogawa continues to work toward a sustainable society through its 17,000+ employees in a global network of 126 companies spanning 60 countries. For more information, visit [www.yokogawa.com](http://www.yokogawa.com).