

## Emerging Technology Briefing

# OT/IoT Security

By harnessing smart management and actionable data from their Operational Technology (OT) environments, businesses are unlocking unprecedented value, driving innovation, and solidifying their competitive edge in the marketplace.

One of the greatest challenges is securing OT/IoT devices properly since most were not designed with enterprise security in mind. Additionally, it is critical to keep IT networks and OT networks segmented to ensure any issues in either environment do not impact critical business functions.

During the OT/IoT Security briefing, participants are provided with an overview of current design considerations around OT networks and devices. Verinext will provide insight regarding how to leverage visibility and architecture to mitigate threats and vulnerabilities. This interactive briefing aims to contextualize market capabilities with the needs of your enterprise.

### DISCUSSION FRAMEWORK:

#### 1. Introduction: Industry and Marketplace Context

- An overview of the current OT landscape and its significance in today's digital transformation era.
- A brief discussion on industry trends, common vulnerabilities observed in recent years, and the emerging threat vectors that businesses should be aware of in OT environments.

#### 2. Key Design Considerations in Operational Technology (OT)

- Discuss current design paradigms focusing on the intersection of functionality, security, and scalability.
- Understanding the challenges in integrating IT with OT and the resultant security implications.
- Case studies: Lessons from past security incidents tied to design flaws or oversights.

#### 3. Visibility and Architecture: The Cornerstones of Robust OT Security

- Exploring methods and tools to enhance visibility across OT systems, ensuring timely detection and response to threats.
- The role of architecture in bolstering security: best practices, redundancy, segmentation, and other architectural considerations.
- Review a zero-trust reference architecture developed by Verinext for OT environments.

## EXPECTED OUTCOMES:

**The goals of this briefing are to enhance your OT Security Posture with the following:**

- Tailoring the high-level steps to suit specific organizational needs and scenarios.
- Recommending continuous improvement activities and processes.
- Setting a cadence to stay updated in a rapidly evolving OT security landscape.
- Choosing the appropriate risk-based framework for your environment.
- Defining the next steps to develop a roadmap and implement quick wins in your enterprise.

## RECOMMENDED PARTICIPANTS:

CIOs, CISOs, Operational Technology and Information Technology Leaders, Line of Business Owners, IT Architects, and Digital Transformation champions.

**Expected time:** 60 - 90 minutes.