

IT OT Convergence

Enabling Digitalization in a Dynamic Industrial Environment

Next Normal

47% Remote Work²

Expected percentage of people working remotely by 2022

\$241B Increased Automation⁴

Expecting spending on robotics & drones to combat workforce shortages

\$140B Augment Reality⁵

Augmented Reality Market is going to grow from \$100B to \$140B by 2025

37 Billions Devices¹

Estimated number of industrial IoT connected devices by 2025

13 Smart Things Everywhere³

Number of devices per person in certain geographies by 2023

Sources: ¹Juniper Research; ²Gartner; ³Cisco; ⁴European Union; ⁵ABI Research

Evolution: How IT and OT Systems Evolved Separately

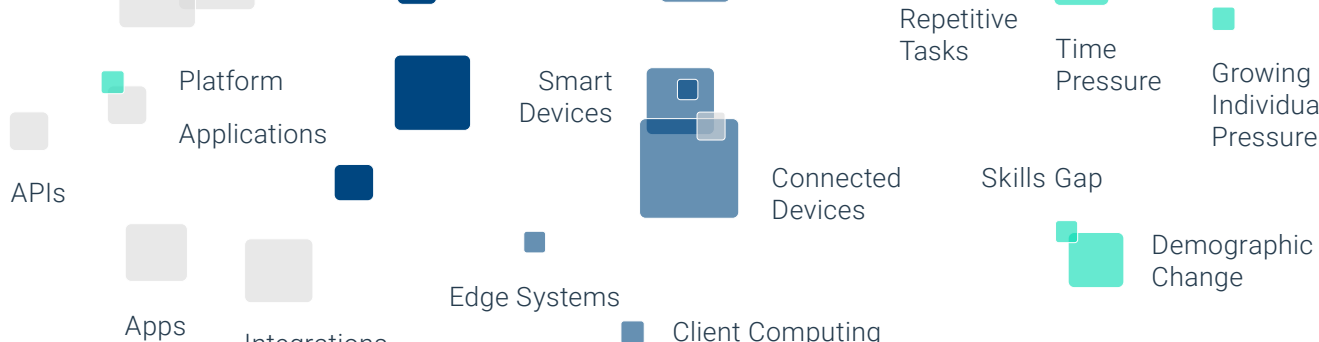


Figure: IT and OT evolution path traces back to a few technical differences, operational and functional aspects of a company

1

Standards and Protocols

- ⊕ IT Systems are more human-centric
- ⊕ OT systems comprise of hardware and firmware that monitor and control factory shop-floor processes

2

IT and OT Processes

- ⊕ IT assets in traditional workplace scenarios are human-centric and can be managed remotely
- ⊕ OT processes are mostly automated and often with minimal human intervention needs

Level 5 External Systems and Network

Level 2-3 Centralized and Local Control

Level 0 Manufacturing Machinery

Level 4 Enterprise Systems

Level 1 Direct Controllers

Governance

Security

Visibility

Auditability

Interoperability

Seamless Experience

Enterprise Cloud

OT SYSTEMS

IT SYSTEMS

Figure: ISA-95 model transitioning towards Industry 4.0 model

Emerging Challenges in the Manufacturing Sector



Source: X-Force Threat Intelligence Index 2022, IBM Security

A Single Window Interface for IT-OT Convergence

Multi-Layered Security

with multi-point check and balance mechanism to thwart any security risks.

Centralized Permission Control

Centralized permission control for granular access to users, groups and roles.

Centralized Management Console

Centralized management console for managing all incoming and outgoing connections to the assets.

Optimized Processes

Optimized processes to digitalize and manage IT and OT assets across employees, customers, service providers and partners.

Our Security Framework



Key Benefits of using TeamViewer for Embedded Devices

For Original Equipment Manufacturers

- ✓ Drive top-line growth with after-sale digital services as an added revenue stream
- ✓ Provide best-in-class after-sales support
- ✓ Accelerate time-to-response and reduce downtime improving efficiencies across the value chain

For Industrial Operations of All Kinds

- ✓ Achieve complete visibility of connected devices
- ✓ Troubleshoot technical issues remotely to reduce downtime and time-to-response
- ✓ Reduce repair and downtime costs through remote operations and service intervention planning

Questions?

Connect with us to request a free consultation or schedule a personalized demo of TeamViewer Tensor

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About TeamViewer

TeamViewer is a leading global technology company that provides a connectivity platform to remotely access, control, manage, monitor, and repair devices of any kind – from laptops and mobile phones to industrial machines and robots. TeamViewer continuously innovates in fields such as Augmented Reality, enabling companies from all industries to digitally transform their workforce and business-critical processes. Through strategic acquisitions of Ubimax, Upskill, and Viscopic, TeamViewer has built a fully comprehensive, end-to-end AR solution on the market. TeamViewer Frontline optimizes processes along the entire industrial value chain, closing the loop to an entirely digital industrial workspace.

Founded in 2005, and headquartered in Göppingen, Germany, TeamViewer is a publicly held company with approximately 1,400 global employees. TeamViewer AG (TMV) is listed at Frankfurt Stock Exchange and belongs to the MDAX.

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