Benefits

- Reduces cost and complexity
- Improve plant uptime and safety
- Eliminates attack surface and lateral movement
- Globally available & immediately scalable
- Natively embedded for immediate set-up

The cloud and mobility are empowering digital transformation – all to make business more agile and competitive. At the same time, users are increasingly remote, working on any device in any location. Plant operations and OT system owners need a capability to execute outcomes with a workforce now located anywhere.

Predictive maintenance and remote diagnostics that improve plant uptime requires secure remote connectivity. VPN-based solutions connecting employees and third-parties to OT environments introduce significant security risk and complexity. Unplanned downtime from cyber security incidents or network outages can cause serious harm to plants and personnel, and result in revenue loss or reputational impact. As a result, security and resiliency to provide maximum uptime to OT and ICS environments is key.

Today, businesses have an opportunity to increase productivity and uptime by picking zero trust-based remote access solutions that ensure ease of access from anywhere in the world, while eliminating the attack surface and significantly reducing the risk of a cyberattack.

With Zscaler Secure Remote Access, employees can now access, monitor and manage OT technology from any location. The Zero Trust for OT© approach achieves the OT-IT convergence by providing an effective ‘air-gap’ against cyber threats by only allowing specific application access for users and devices without bringing them directly on to the network.
Zscaler Secure Remote Access for OT

Solution Architecture

Zscaler App Connector Docker Container on Industrial Edge Platform, such as SCALANCE LPE

- Secure access to OT systems for authorized users
- Users with Zscaler Client connectors can connect to any system over any TCP/UDP port
- Clientless access to resources with HTTP interfaces
- App Connector requires 1 CPU and 2GB of memory and supports both ARM64 and AMD64 architectures
Zscaler Secure Remote Access for OT

Solution Capabilities

**Secure remote access**
Employees can safely and seamlessly work on OT environments from anywhere, without having to worry about VPNs

**Scalability via cloud-delivery**
150+ points of presence worldwide ensure connectivity anywhere, rapid service with low latency

**Seamless access for third-parties & OEMs**
Safer and easier access for your third-parties & OEM vendors to manage, monitor & repair OT and IIoT assets via browser-based access

**Prevent cyberthreats**
Zero trust architecture removes VPN/firewall vulnerabilities, prevents lateral movement and shrinks the attack surface

**Flexible deployment methods**
Docker-based, VM, hardware form factors, Intel & Arm-based architectures

**Improve uptime**
Boosts efficiency of production operations and minimizes unscheduled downtime from network outages

**Continuous operations**
Works continuously even over intermittent connectivity such as high-latency, low-throughput links

**Reduced cost & no continuous configuration requirements**
Outbound port configured once: no IT reconfiguration with firewalls or other tools required