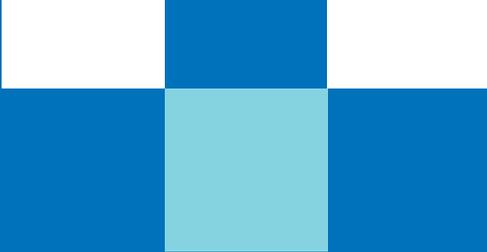


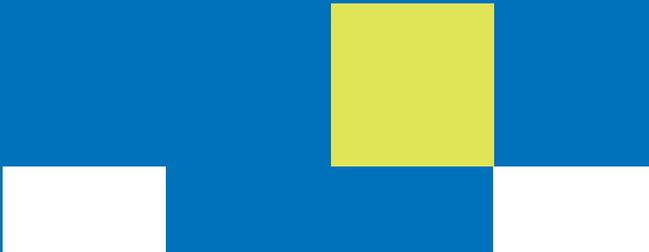


Industrial Networking & Cyber Security



Industrial Networking & Cyber Security

We understand how important it is to stay connected to what's happening in your facility. That's why we're bringing the Industrial Internet of Things (IIoT) to your plant floor with a secure, reliable network designed for wherever you are on your Industry 4.0 journey. We take a holistic, tailored approach designed to provide solutions that will help manage your Operational Technology assets while making inroads towards an IT/OT convergence. Whether it's the design, deployment, or ongoing support of your critical industrial networking infrastructure, we're your solution partner.





Our Networking & Security Services

Network Assessment & Audit

The first step to security is knowing what is on your network. Do you have a network map? When was the last time it was updated?

Our comprehensive network assessment and audit provides peace of mind. We'll take stock of your current infrastructure focusing on how data is moving across your plant floor and what is currently connected on the network. By identifying any weaknesses or security vulnerabilities that exist in your system, we'll save you the headache, downtime, and costs of an unexpected security breach. Using our findings, our team will provide solutions to manage, stabilize, and secure your network.

Plant Networks

Reliable networks are critical to your plant's productivity, security, and dependability. That's why we're here to optimize and improve your existing infrastructure to ensure that your system is running smoothly and efficiently. Through the design, installation, and commissioning of your infrastructure, we'll provide the value-added solutions needed to reach your goals.

Wireless Networks

A robust wireless infrastructure provides site-wide security, greater connectivity, integrated support, and mobility for your plant floor. From an initial needs analysis to installation and ongoing support, our team will provide a wireless network that delivers flexibility and convenience.

While the benefits of a reliable wireless infrastructure are ideal, incorporating wireless can be a monumental headache. That's where a wireless site survey can help. As a prerequisite to a successful wireless implementation, the survey will answer two questions:

- Is a wireless network feasible with the existing conditions?
 - Where should access points and other equipment be installed? Our site surveys focus specifically on identifying dead zones and interference in order to optimize your environment for the successful implementation of a wireless system
-

Logical Networking & Security

There is a diverse landscape of threats that are becoming increasingly prevalent to organizations of all sizes. Protecting your business from these threats with a proactive approach will ensure your data and production environment are not at risk. No one security method is sufficient in this landscape to protect what is of value to your business. It is imperative to use a defensive in-depth approach to establish multiple layers of security utilizing physical, electronic, and procedural safeguards. FZ can help you with all three of those initiatives. We help your company by using the following process:

- Gather and document existing state and logical layout of OT network on site
 - Perform network scan to identify all devices connected to OT network and security posture of devices
 - Provide recommendations for changes based on reference architectures (CPwE)
- 



Cyber Security Assessment

It's no secret that your network infrastructure is at risk from both external and internal threats. Whether these breaches are caused by malicious hacking or just by gaps in internal security control, they result in costly and time-intensive problems. While most companies would like to believe that they are immune to breaches, the reality is automated internet hacking can and does target everyone—no matter your size or notability. Our team can address and resolve these threats through a comprehensive and proactive cyber security audit and plan.



Remote Connectivity Assessment

Do you have secure remote access to your OT network and devices for troubleshooting and diagnostics? Secure remote access is needed to help resolve problems quickly, even when you are not at your manufacturing facility. We help your company by using the following process:

- Gather and document existing state and logical layout of OT network on site
- Determine the types of connectivity that will be needed while defining the types of networking hardware in place today
- Perform network scan to identify all devices connected to OT network and security posture of devices to determine the types of use cases you will be needing for remote connectivity
- Provide recommendations of remote connectivity devices and solutions
- Allow you to easily manage who has secure remote access:
 - Employees
 - Contractors
 - Machine Builders
- Allow you to limit access to only the equipment that is required and the time that access is available
- DPI—prevent unauthorized downloading or changes to the program



Virtualization and Servers Strategy

We can help you drive a sustainable and cost effective Virtualization and Server strategy for all your OT-centric systems, whether they are MES, SCADA, HMI or other. We can help your company by using the following process:

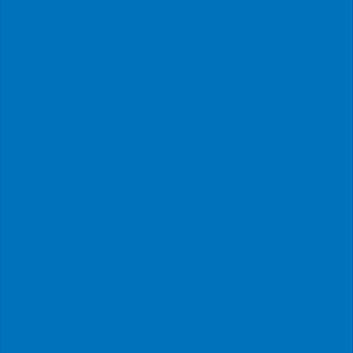
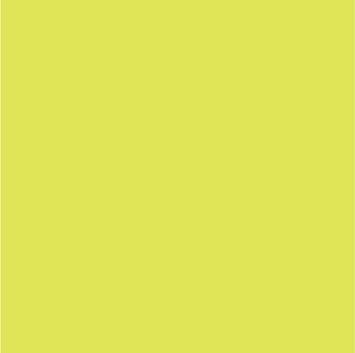
- We can assess your needs by gathering information on all computing resources (servers, storage, virtualization, HMI) that support the OT environment
- We will then gain an understanding of redundancy, backups, and a disaster recovery plan for these resources
- Then we will provide recommendations for future state of above infrastructure based on required customer RTO and RPO



Health Monitoring and Network Management

Just like an IT network, an OT network requires management. A well-managed network is reliable, secure, and smooth-running. Your OT network changes constantly—new machinery is added and old equipment is decommissioned. Are you monitoring and documenting all of these changes? Is your network map and security plan updated accordingly? Here's how we can help:

- Monitor your entire OT network and devices and detect changes as they occur
- Provide visualization of network status and devices
- Provide Patch/Security/Windows update management



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