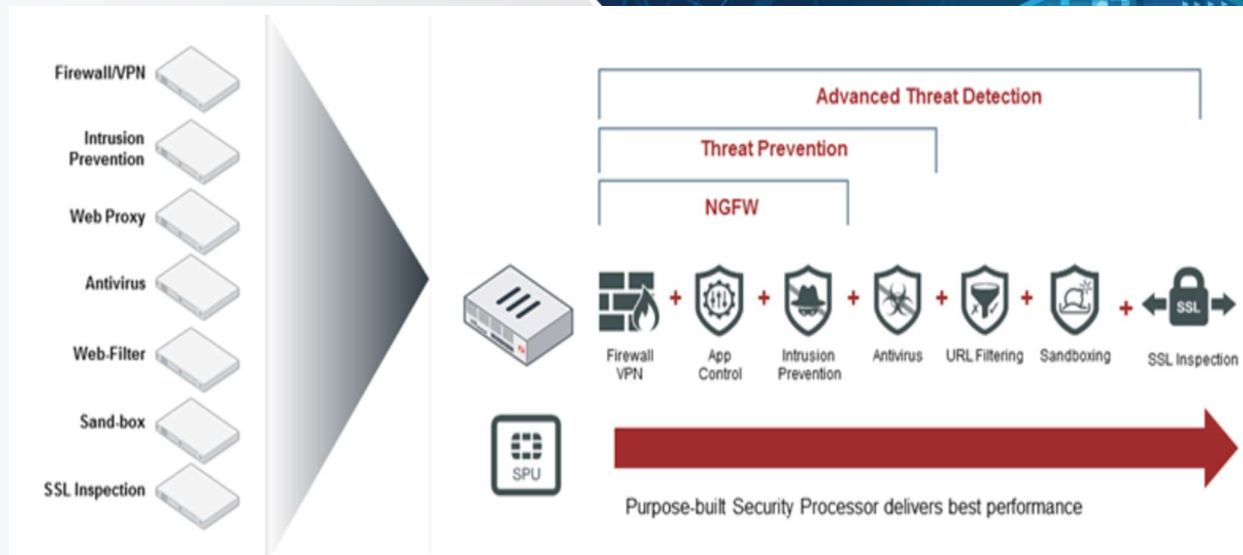


# IT / OT Convergence

## Technology Tool- Fortigate

Next-generation firewalls (NGFWs) are essential in modern industries for enhancing network security. Unlike traditional firewalls, NGFWs offer advanced features such as application awareness and control, **integrated intrusion prevention systems (IPS)**, **advanced malware detection**, and cloud-delivered threat intelligence. These capabilities allow NGFWs to identify and control applications, detect and prevent sophisticated threats, and block malware, including zero-day threats.



### What is Fortinet?

- The FortiGate Next-Generation Firewall (NGFW) is a robust security solution designed to **protect organizations** from both internal and external threats.

### Purpose

- The primary purpose of a firewall is to establish a barrier between a **trusted internal network and untrusted external networks**.
- To provide comprehensive and high-performance security solutions that protect against a wide range of cyber threats.
- It ensure compliance with regulatory requirements, **safeguard sensitive information**, and maintain operational continuity.

### What Zealinx Do?

- Installation & Configuration
- Monitors and controls incoming and outgoing traffic.
- Blocks unauthorized access.**
- Protects against viruses, malware, and other security threats.
- Inspects and authenticates data packets.

### Benefits & ROI

- Increased visibility.
- Granular application control.
- Simplified security management.**
- Early threat detection.
- Balanced security and network performance.

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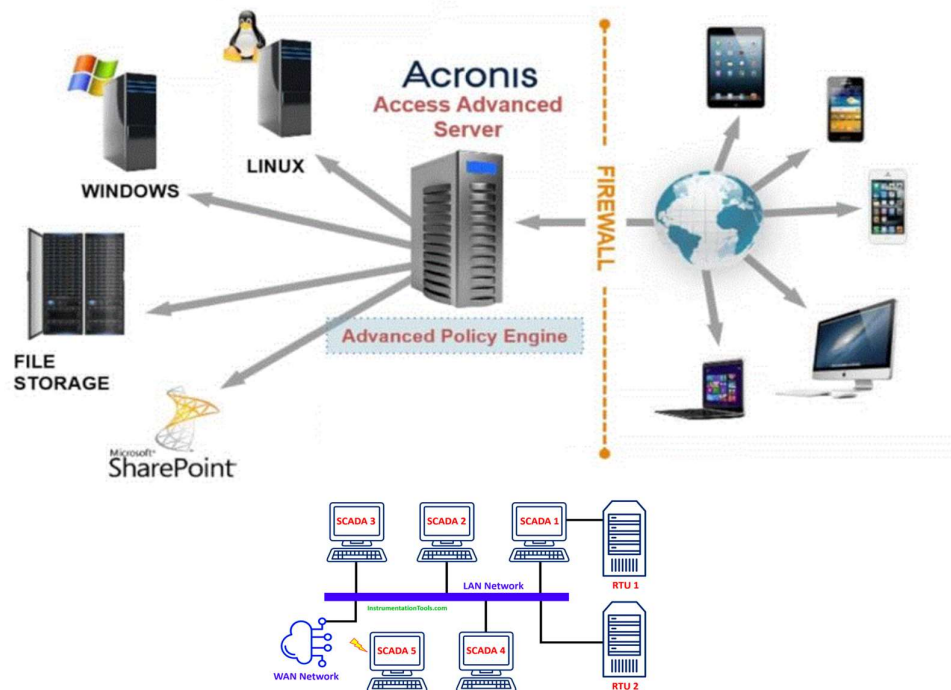


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# Backup As A Service-IT/OT

## Technology Tool- Acronis

Backup as a Service (BaaS) is crucial for manufacturing, as it helps manage complex IT/OT environments within factories. It ensures resilience, facilitates recovery to the original state, guarantees compliance, and reduces costs. It also enhances **business continuity** by enabling rapid data recovery, thereby minimizing downtime and financial losses.



### What is Acronis?

- Acronis Cyber Protect is one of their flagship solutions, combining **data backup & protection** with cybersecurity to safeguard against threats like ransomware and malware.

### Purpose

- In any Industrial sector, its crucial that backup solutions are to be **reliable ,secure and robust**.
- Acronis is the most efficient, straight forward and Reliable way to carry out backup on workstations, Servers, SCADA systems.

### What Zealinx Do?

- Ensure consistency and **recoverability** of IT/ OT Systems Data.
- De-Duplicating** and Compress the data for efficient storage and transmission.
- Provide Monitoring, auditing, reporting, data retention and other means of safeguarding the data.

### Benefits & ROI

- Integrated cybersecurity features.
- User-friendly interface.
- Supports physical and virtual systems.
- Advanced ransomware protection.
- Flexible backup options.**

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# Remote Access As A Service-OT

## Technology Tool- HMS Talk2Ms

Remote Access as a Service (RAaaS) in manufacturing enables secure and **efficient remote connectivity** to plant equipment and systems, enhancing productivity and flexibility. It allows for real-time monitoring, predictive maintenance, and remote troubleshooting, reducing the need for on-site visits and minimizing downtime.



### What is HMS Talk2M?

- Talk2M, developed by HMS Networks, is a secure **industrial cloud service** that provides remote access to industrial machines. It integrates with Ewon devices like **Cosy and Flexy routers**, allowing for remote monitoring and control of equipment globally.

### Purpose

- It provide secure remote access to industrial machines, allows users to monitor and control equipment from **anywhere in the world**.
- This **enhances operational efficiency**, reduces downtime, and enables quick troubleshooting and maintenance without the need for physical presence.

### What Zealinx Do?

- Sign up for a **Talk2M account** through eCatcher software.
- Add and Connect your Ewon device (e.g., Cosy or Flexy) to the internet.
- Set up the device parameters, VPN configuration and test the accessibility.
- Access your devices remotely via eCatcher or the M2Web portal.

### Benefits & ROI

- Talk2M ensures secure data transfer and device access through **encrypted communications**, providing a high level of security.
- Its user-friendly interfaces, make it **easy to configure** and manage, while its scalability makes it suitable for various deployment sizes, from small setups to large industrial operations.

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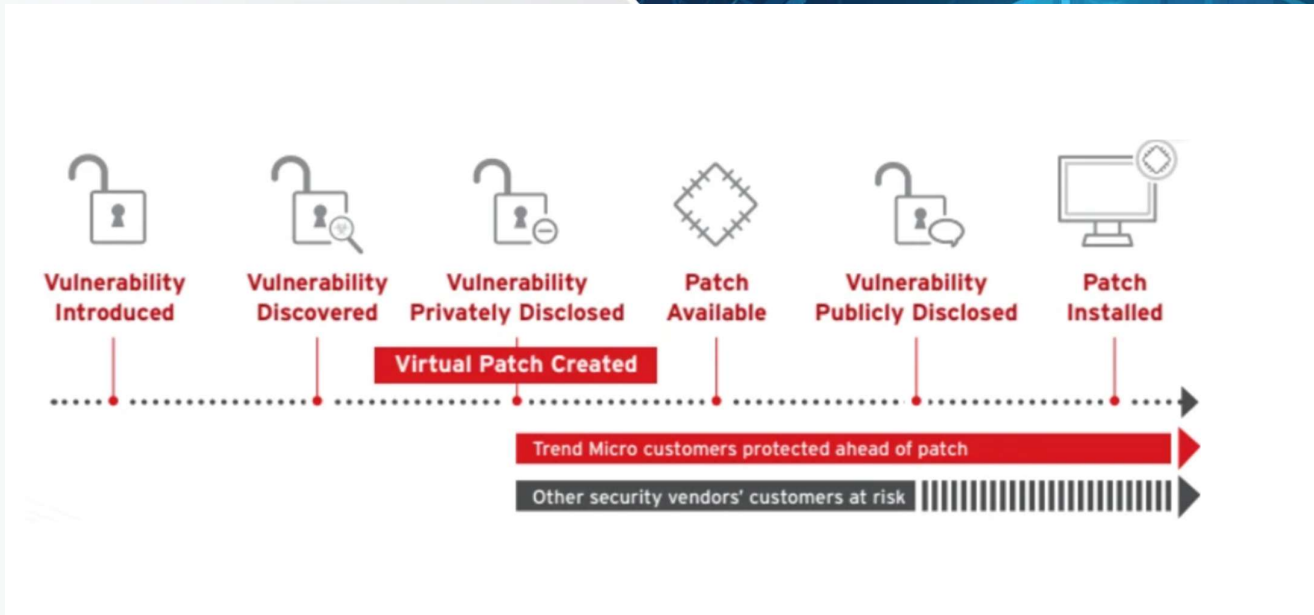


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# Virtual Patching As A Service-IT

## Technology Tool- TrendMicro

Virtual patching is a security practice that involves applying **temporary fixes to vulnerabilities** in software systems or applications. This method is particularly valuable for maintaining business continuity, as it reduces the risk of downtime and operational disruptions that can occur with immediate patching.



### What is Trend Micro?

- Trend Micro virtual patching also known as **vulnerability shielding**, provides a crucial layer of security by protecting servers and endpoints from known and unknown vulnerabilities.

### Purpose

- It uses Intrusion Prevention rules to shield from known and unknown vulnerabilities until they can be patched.
- It is useful in environments where applying **traditional patches is impractical** due to operational constraints, the presence of legacy systems, or the need to maintain continuous operations.

### What Zealinx Do?

- Evaluate the existing systems to identify vulnerabilities that need to be addressed.
- Deploy Trend Micro as intrusion prevention tool.
- **Develop security policies and rules** and apply on Endpoints via trend micro.
- Continuously monitoring the effectiveness of the virtual patches and testing it on regular basis.

### Benefits & ROI

- **Prevents downtime of mission-critical systems** that cannot be taken offline.
- Cuts the costs of total prevents the risk of a successful breach or attack until a vendor-supplied patch is released or while the patch is being tested and applied.

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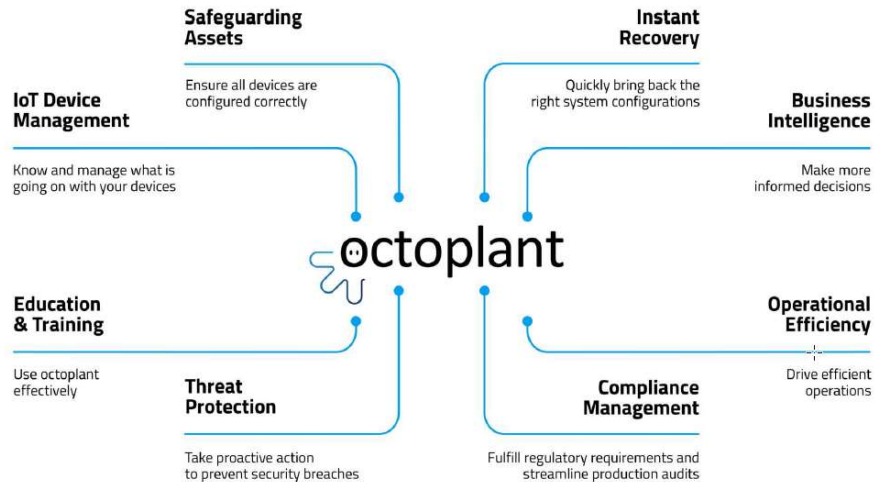
# Versioning As A Service-OT

## Technology Tool- Octoplant

Version management as a service for manufacturing is to track and control changes to software, documents, and other critical data throughout the production lifecycle. This service centralizes control by **storing all versions in a central repository**, ensuring easy access to the latest information and detailed traceability of changes.

Our all-covering data management platform comes with a commitment: **To always keep production running**

AUVESY-MDT



### What is Octoplant?

- Octoplant is an enterprise solution designed for secure version and data management in automated production environments. It enables **automatic backups, version control**, and documentation of software versions.

### Purpose

- Ensuring that data is regularly and automatically backed up.
- Managing different versions of software and documentation to keep track of changes and updates.
- Storing all project data centrally**, which helps in controlling, analyzing, and monitoring changes across devices.
- This helps **Who changed what, when, and why?** And Who is allowed to conduct changes at all?

### What Zealinx Do?

- Set up the Octoplant server to manage and archive the configuration data for manufacturing components like PLCs, HMIs, and drives.
- Deploying octoplant client on workstation/maintenance laptop helps on Versioning, Backup & Recover and Compare the configuration.

### Benefits & ROI

- Reduce production downtime
- Provides optimal protection against data loss
- Vendor-independent** backup and cyber security strategy

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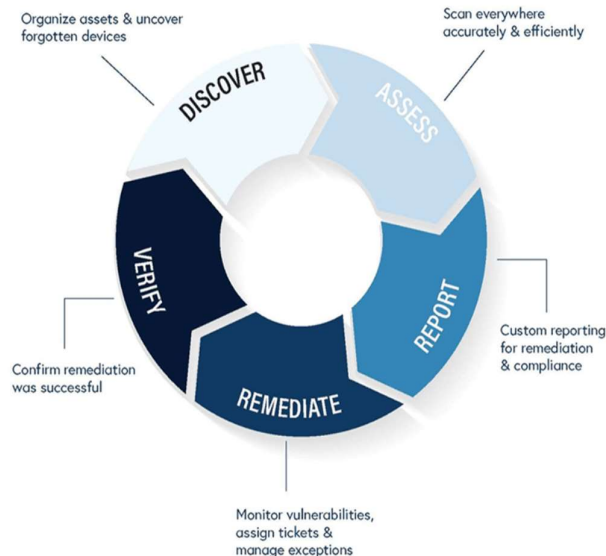


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# Vulnerability Assessment As A Service-IT

## Technology Tool- Qualys

VMaaS helps manufacturers predict and manage expenses while ensuring a defined level of **security capability**. This service includes identifying, evaluating, and mitigating security vulnerabilities in systems and infrastructure, which is essential for protecting against cyber threats.



### What is Qualys?

- Qualys is a cloud-based solution that **detects vulnerabilities** on all networked assets, including servers, network devices (e.g. routers, switches, firewalls, etc.), peripherals (such as IP-based printers or fax machines) and workstations.

### Purpose

- Qualys helps organizations identify, prioritize, and remediate security vulnerabilities in their networks, systems, and applications.
- It ensure continuous **security and compliance**, making it an essential tool for protecting against cyber threats and maintaining robust security postures.

### What Zealinx Do?

- Help on Subscription to Qualys as a cloud-based service.
- Qualys discovering all assets within an industrial environment, including devices, servers, applications, and services.
- It **scan and prioritize** to remediate known vulnerabilities, misconfigurations, and security weaknesses across the entire infrastructure.

### Benefits & ROI

- Organizations gain comprehensive security through a **unified platform** for vulnerability management, compliance, and IT asset management.
- Automated scans and streamlined workflows enhance efficiency, while risk prioritization ensures that critical vulnerabilities are addressed first.

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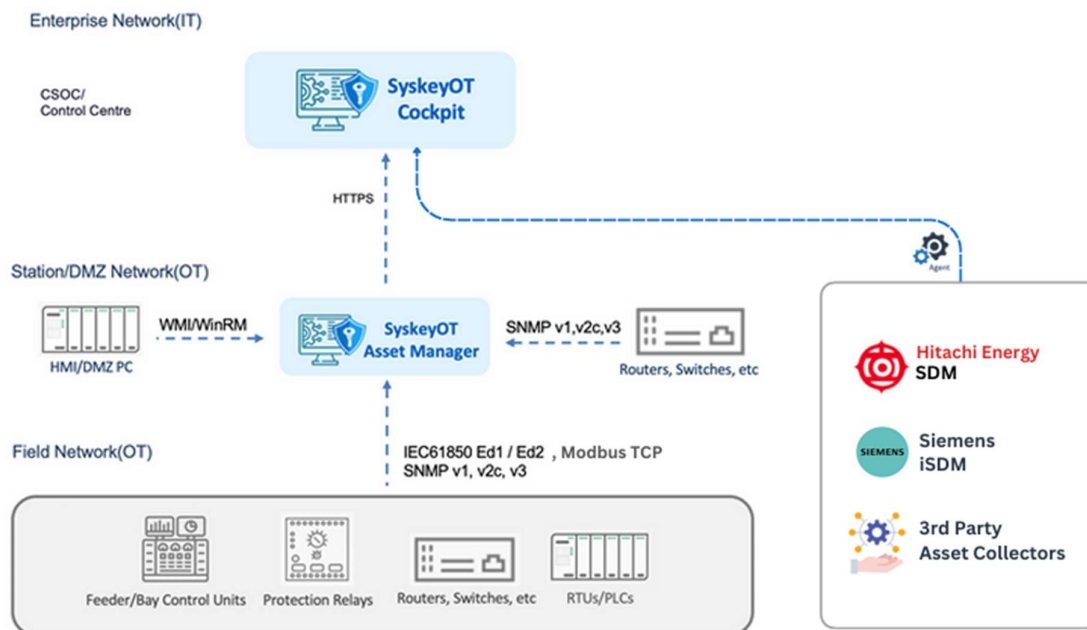


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# Asset Discovery As A Service-OT

## Technology Tool- Syskey OT

Asset inventory as a service is managing the physical and digital assets. The service includes tracking, monitoring, and maintaining assets such as machinery, equipment, tools, and software throughout their lifecycle.



### What is Syskey OT?

- A powerful platform for Utilities/Critical Infrastructure customers to Centralize and Monitor OT Assets across their network. Enables Asset Discovery, Periodic Scanning, and Collection of asset details through industrial protocols like IEC61850 Ed1&Ed2, SNMP v1,v2c,v3 & WMI/WinRM, etc.

### Purpose

- To enable clear visibility into all asset-related information.
- Users can then use the tool to track changes to the inventory, such as new additions or equipment that has been taken out of service.

### What Zealinx Do?

- Instances deployed in remote stations throughout the network. This includes Configuration, Patch Updates, and Health Status Monitoring.
- Deploy asset manager to collect the asset details.

### Benefits & ROI

- Improve the efficiency and effectiveness of their operations by allowing them to quickly and easily track their OT assets. It identifies potential security risks by keeping track of the software and hardware versions of devices.
- It is useful in terms of compliance and regulatory reporting, as an accurate and up-to-date inventory is often a requirement.

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# Network As A Service-IT/OT

## LAN Refresh Project

Refreshing Industries network infrastructure is a significant undertaking that can greatly enhance performance, security, and scalability. Whether you're updating switches, adding new firewalls, or incorporating new UPS systems, a well-planned LAN network refresh **ensures minimal disruption** and maximum benefits.



### What is LAN Refresh?

- A LAN network refresh is essential to meet increasing demands on the network, support modern applications, and take full advantage of **Uninterrupted connectivity**.

### Purpose

- As a thriving business, it might need the right technology in place to help team stay productive.
- Your LAN (local area network) infrastructure plays a key role in your team's ability to focus on their daily tasks. Therefore, you need to know when and why you need to upgrade your LAN infrastructure.

### What Zealinx Do?

- Our solution architects and engineers can assist with network design and deploy new equipment with minimal business disruption.
- Let us walk you through your network refresh project and implement a modern solution that's faster, **more agile and more secure**.

### Benefits & ROI

- LAN Refreshment brings several benefits to business, including **resource sharing**; remote collaboration; cost-efficiency; high-speed data transfer; better security, flexibility, and scalability.

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# Documentation As A Service-OT

## Digi Doc Project

The digital Doc helps eliminate use of physical documents and **enables sharing of e-documents**, via a mechanism to verify the authenticity of the documents online.



### What is DigiDoc?

- Focusing on the idea of paperless governance, a Digi Doc is a digital wallet where you can store your **essential maintenance documents**.

### Purpose

- The Digi Doc will drive a reduction in costs, elimination of operational complaints.
- By digitizing documents such as production records, quality control logs, and compliance forms
- Manufacturers can streamline their workflows, **reduce the risk of human error**, and ensure that critical information is easily accessible and securely stored.

### What Zealinx Do?

- The process of how a Digi Doc works is simple. You can upload all the necessary documents and ensure safety after signing up on the platform.
- Use tablets to view the document by **scanning the QR code** upfront on the panel.
- No need to carry much of documents during troubleshooting, just scan QR and get cabinet drawing, cable scheduling.

### Benefits & ROI

- It eliminates the usage of physical documentation.
- Ensure the Safety & Verification of Documents
- Reduce Operational Cost

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# Risk Assessment As A Service-IT/OT

## Risk Assessment Project

ICS/OT Cybersecurity Assessment is a process of evaluating an organization's Industrial Control Systems (ICS) and/or Operational Technology (OT) to **ensure that the security controls** in place can effectively protect against cyber-attacks and support operational resilience.



### What is Risk Assessment?

- The assessment is identifying the vulnerabilities across an organization's, compiling and delivering a detailed report of the findings along with recommendations for **improving the organization's cybersecurity posture**.

### Purpose

- To identify potential vulnerabilities and threats .
- The assessment will critically **examine the people, processes, and technology** that support ICS/OT processes.
- Detecting known software vulnerabilities and configuration errors.

### What Zealinx Do?

- Analysis the risks for the OT components through Mitre attack method.
- 100% Manual Testing
- Identifying the gaps and recommend solution such as Network Segmentation.
- White-Box Audit.

### Benefits & ROI

- Reducing the risk of downtime by proactively removing vulnerabilities
- **Identifying security gaps** that offer attackers access to ICS/OT systems.
- Verifying the security of third-party industrial control systems (ICS) and software
- Supporting compliance with IEC62443 security standards.

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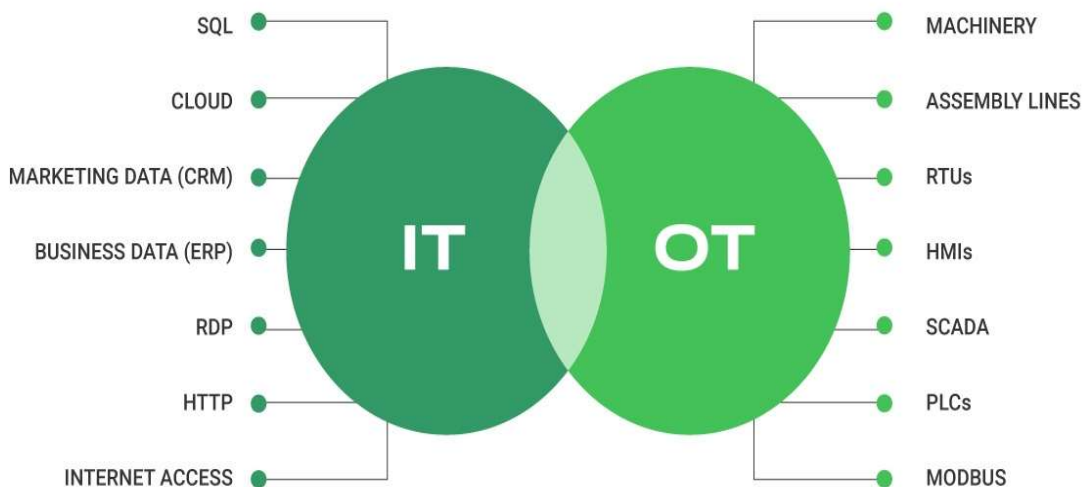


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# Audit As A Service

## Health checkup Project

The next step after evaluating your current cyber security status, we recommend going through our cyber security audit checklist to gain a basic understanding of your existing measures and identify areas for improvement.



### What is Audit?

- Security audits in cybersecurity using a range of technologies, procedures, and controls **determine the protection of an organization's networks**, programs, devices, and data against risks and threats.

### Purpose

- It is ensuring that production processes meet the required quality standards and specifications, thereby maintaining consistent product quality.
- **Improving operational efficiency** and ensuring regulatory compliance.

### What Zealinx Do?

- During audit, we check the status of the industries as right now.
- Discuss with operation team and finalize on process flow diagram, Data flow diagram.
- Discuss with operation team and finalize the **criticality assessment document**.

### Benefits & ROI

- Identify and mitigate risks and Maintain business continuity.
- Regular audits foster a culture of **continuous improvement**, encouraging ongoing enhancements in processes and product quality.

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# Training As A Service

## Security Training Project

It is essential for addressing the unique cybersecurity challenges faced by manufacturers. This training builds a **culture of cybersecurity awareness** among all employees, ensuring everyone understands their role in protecting the company's assets and data.



### What is Awareness Training?

- Awareness training in the manufacturing sector aims to educate employees about the risks and best practices related to their work environment.
- The primary objective is to ensure that **all employees are aware of potential hazards** and know how to address them, thereby fostering a safer and more efficient workplace.

### What Zealinx Do?

- Training programs not only ensure **compliance with industry standards and regulatory requirements**, but they also minimize the risk of operational disruptions caused by cyber incidents.
- These programs empower employees to become more confident and proactive in identifying and responding to security threats, thereby creating a more resilient organization.
- By preventing cyber incidents through training, companies can save significant amounts of money that would otherwise be spent on recovery and mitigation efforts.

### Benefits & ROI

- By investing in training, companies can see substantial long-term benefits that outweigh the initial costs
- Well-trained employees are **more efficient and make fewer mistakes**, which enhances overall productivity and reduces downtime.

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