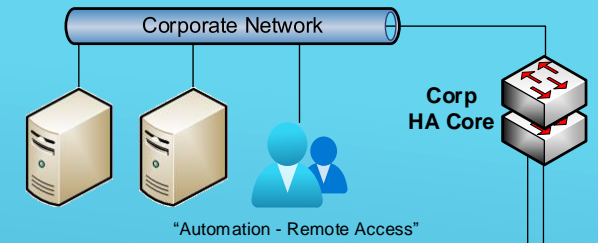


WHAT IS AN IDMZ?

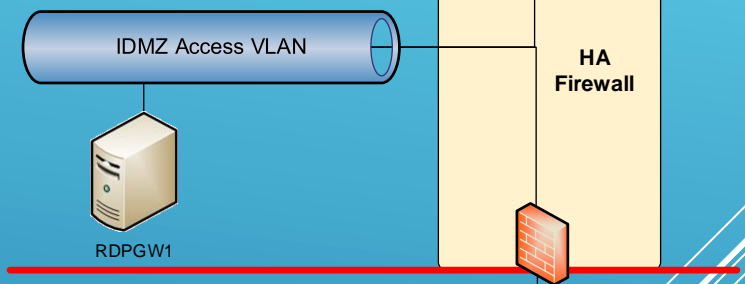
An IDMZ adds a secure network layer between the Enterprise/Corporate IT environment and the Industrial/Production OT environment.

The IDMZ acts as a buffer to manage data flow and provide application and network security between these two environments.

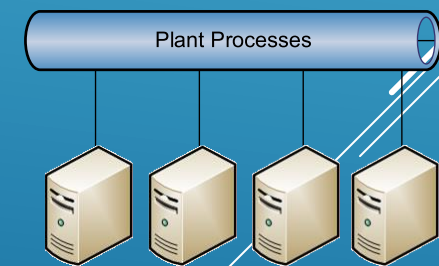
Corporate
IT/Enterprise



IDMZ



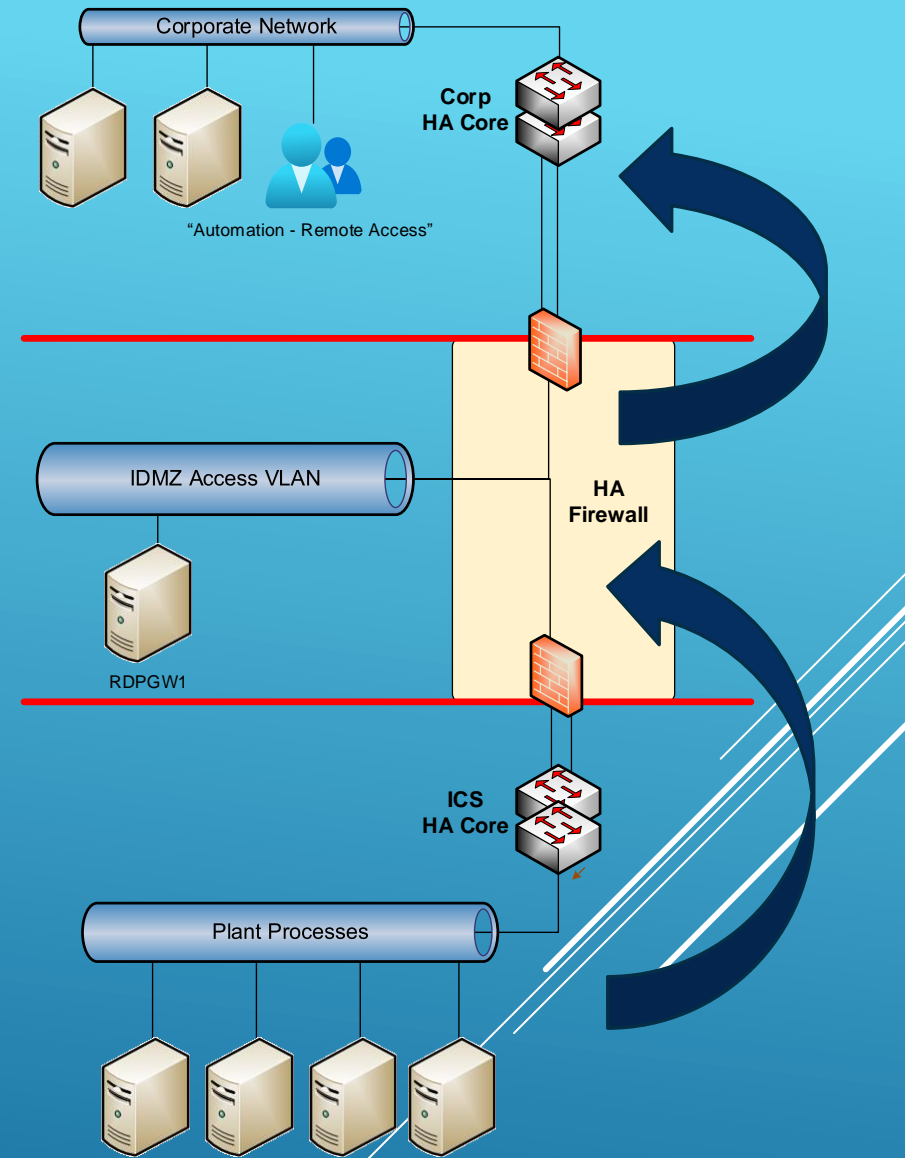
Industrial /
Production OT



WHY USE AN IDMZ?

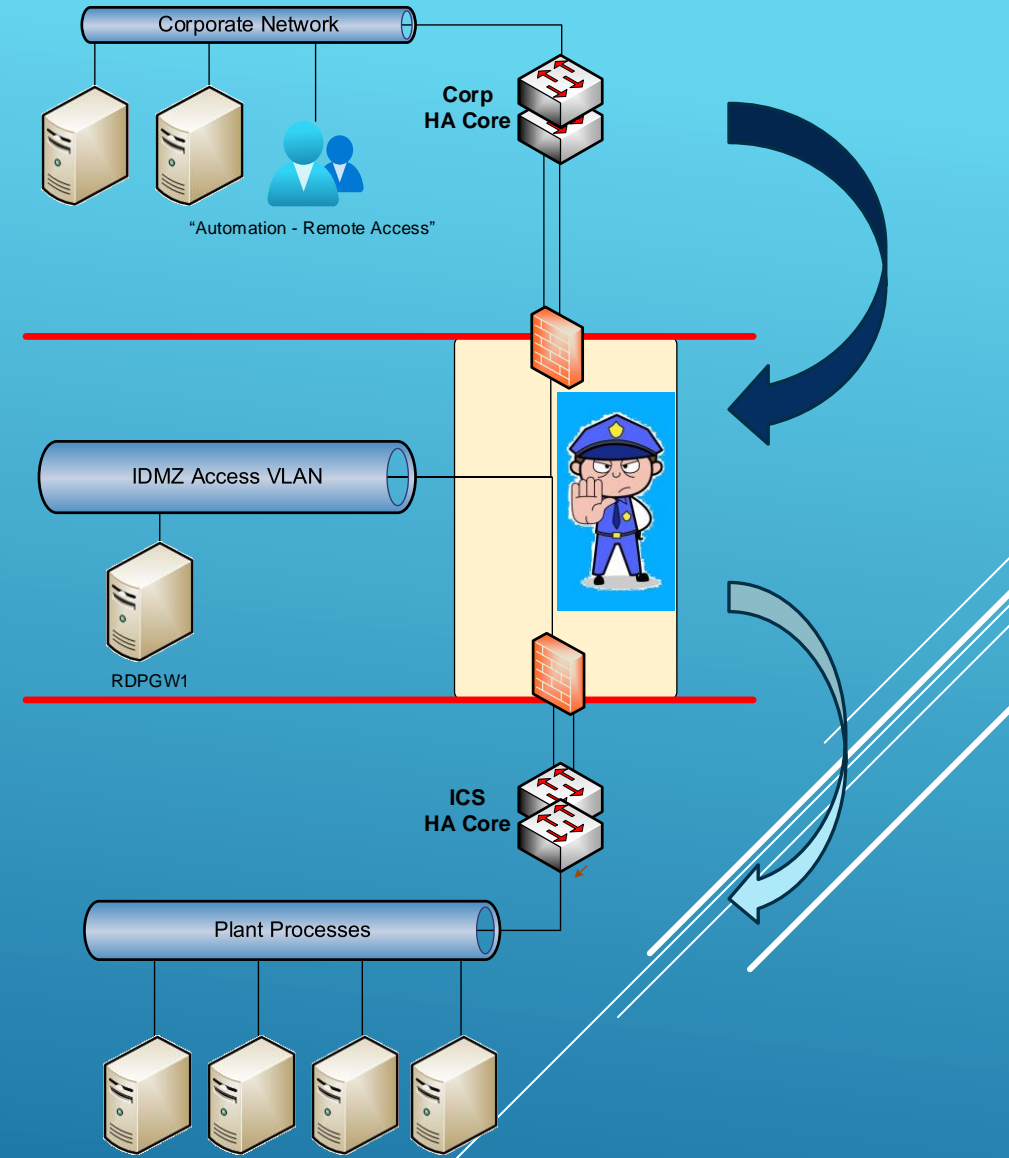
- Protect the Production OT environment
- Allows time-sensitive data to flow to the Corporate IT for analysis and decision making

Designing these solutions in the Industrial Automation and Control System (IACS/ICS) has become vital for data security



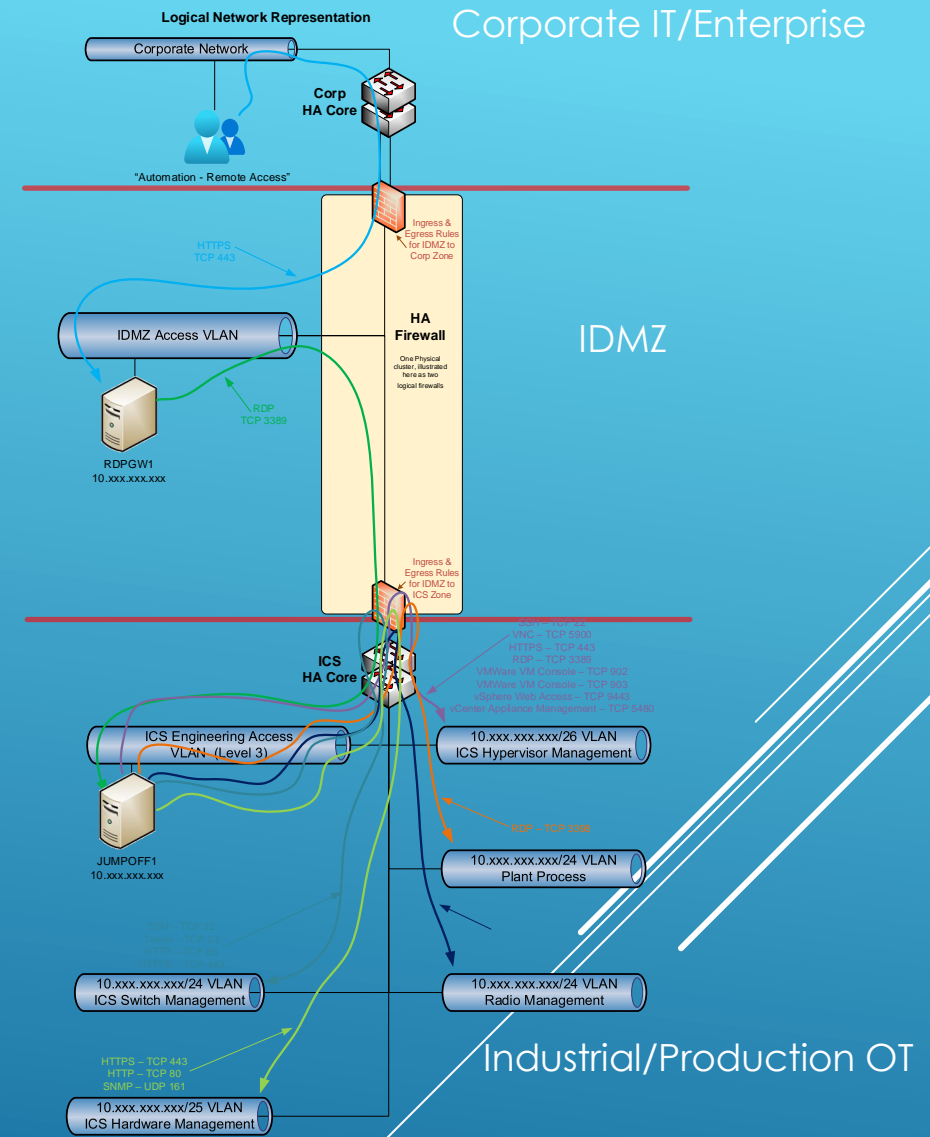
HOW TO DESIGN AN IDMZ?

- Utilize a “Zero Trust” model as the basis for the IDMZ design and implementation
- Untrusted networks allow the least amount of privilege to users, data, and computers to perform tasks




ADVANTAGES OF AN IDMZ?

- Production OT/ICS autonomy is the major strength
- In the event of a Corporate IT level
 - security breach
 - cyber-attack
 - critical systems loss
- The Production OT systems continue to operate normally while the threat is remediated.



How can AXIOMIS help?

- Axiomis evaluates your current IT/OT technology infrastructure by assessing, learning, and understanding the systems.
 - Our team of experts identifies limitations and provides a guide to design, plan, and implement the proper IDMZ environment
 - We utilize the NIST/Purdue model as a template to properly secure the network
 - Install the physical infrastructure consisting of redundant networks, firewalls, routers, switches, virtualized server technology, backup, and recovery solutions.
 - Provide post-project completion support from the Axiomis team as your trusted partner well into the future.
- 

What about the cost? \$\$\$

Cost of IDMZ implementation can be a major determining factor.

In today's headline society of cyber-attacks, and security breaches you must ask:

- Is my production environment's uptime worth protecting?
- Is our organization prepared for the loss of business if a security event occurs?
- Does our organization have proper documentation, security, redundancy, and remediation in place to recover from a potential threat?

The Axiomis Team

- is well-versed in scalable projects no matter how small or large the customer's infrastructure technology needs may be.
- can provide solutions that fit your organizational goals and budgets
- Will be a trusted partner to maximize your production in a secure manner.



How will implement the IDMZ process?

Assessment/Proposal

Axiomis will:

- Schedule an on-site visit to understand your current infrastructure and security environment.
- Meet with key stakeholders on concerns, objectives, and limitations that may exist.
- Assess the infrastructure and provide a detailed and current networking map of your systems.
- Identify where improvements can be made.
- Highlight where implementation will harden your environment.
- Provide scope of work to include:
 - A guide and timeline on IDMZ implementation
 - Detailed implementation process steps
 - Outlines indicators and expectations for the organization during and after the project.

How will implement the IDMZ process?

Execution

- Axiomis will
 - Bring the proper expertise and experience to each part of the process.
 - Provide updates and constant communication to key stakeholders
 - Maintain transparency throughout the process.

Support

- Axiomis will supply unparalleled support during and importantly after the implementation to ensure your systems are maintained as securely and efficiently as the day they were installed.

Why ?

- We are a highly versatile industrial software and services contractor
- We focus on
 - Automation-related IT/OT infrastructure
 - Network design
 - Security
 - Custom software
 - Detailed timely reporting.
- We have extensive industrial experience providing Infrastructure, hardware/software, and services from the Corporate level supervisory management to the production floor.
- Our team of experts includes a wide range of experience
 - Software engineering
 - Network infrastructure specialists
 - Industrial automation professionals
 - Industry security experts.

Why ?

Our services include:

- Industrial network design and monitoring
- IDMZ design and implementation
- Network modernization and virtualization
- Data acquisition with real-time reporting and graphical analysis through our custom-designed software – Sitewire.
- Integrated operations
- OSI Pi data acquisition

Why Axiomis ?

Supervisory level assistance includes:

- Secure remote management and control
- Network optimization
- Network mapping to identify
 - Data traffic
 - PLC communications
 - Software/firmware upgrades
 - Missing/rogue devices
- Provide
 - Current network drawings
 - VLAN development/management
 - Certification of infrastructure.
- Develop and implement the proper Core/Distribution/Access layer model

Why ?

Production level assistance includes:

- Allen-Bradley automation controls
- System virtualization, IT/OT network support for the Automation team
- Network analysis, troubleshooting, remediation
- Cabling (copper and fiber) installation, termination, and certification.
- Rockwell HMI Systems
- Condition-based monitoring
- Secure communication across all levels of the Industrial Control Systems (ICS)



Our Axiomis representative will be happy to answer any questions and provide a deeper understanding of

- The documentation, implementation process
- Why this project is important to your organization
- Why Axiomis is your trusted ICS partner moving into the future.