

UNLOCK THE POWER BY ENABLING & SECURING YOUR IT-OT CONVERGENCE

IT-OT interoperability is essential for modernizing operations, improving efficiency, and staying competitive in an increasingly digital world. However, integrating these systems can expose critical assets to new cybersecurity risks, creating concerns about data protection and operational security.



WHAT ARE THE CHALLENGES FOR IT/OT INTEROPERABILITY?



END-TO-END DATA INTEGRITY AND AUTHENTICITY

Data tampering or corruption between IT and OT systems can lead to poor decisions, security risks and reduced operational efficiency.



HETEROGENEOUS DATA SOURCES

Data integration and lineage tracking across disparate sources can be complex, making it difficult to maintain lineage across IT/OT boundaries.



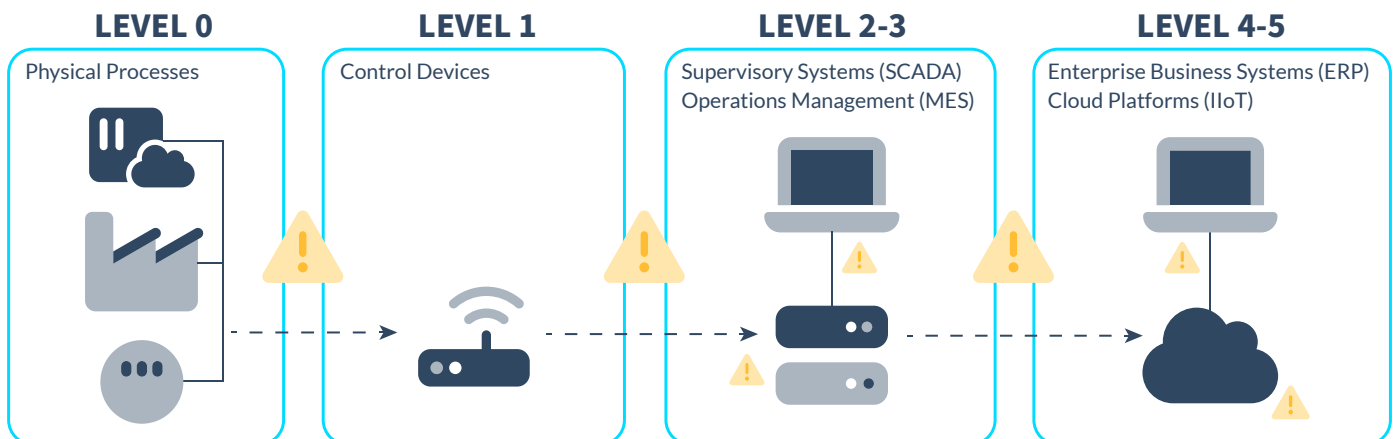
COMPLEX DATA MANAGEMENT AND INTEGRATION

Ineffective data integration can prevent operational data from being used for predictive maintenance, improving efficiency or decision making.



GOVERNANCE AND COMPLIANCE ISSUES

Ensuring consistent tracking and provenance across both environments is complex, especially in regulated industries where auditability is critical.



HOW TO SECURE TELEMETRY DATA ACROSS THE PURDUE MODEL

At Tributech, we address these challenges head-on with a unique platform for secure data integration and notarization. Our solution empowers enterprises and OEMs to implement immutable Zero Trust for their OT data, ensuring data integrity and authenticity from the moment it's generated.

KEY TECHNICAL BENEFITS OF TRIBUTECH



DATA INTEGRITY VERIFICATION

Tributech continuously verifies the integrity and authenticity of data throughout its entire lifecycle. This ensures that the data collected from OT/IoT devices is trustworthy, allowing for informed decision-making and accurate analysis.



CERTIFICATE LIFECYCLE MANAGEMENT

Tributech simplifies digital certificate management, handling the issuance, renewal, and revocation of certificates to authenticate devices and maintain secure communications between OT devices and IT backends.



HARDWARE SECURITY INTEGRATION

We integrate hardware-based security measures, including Secure Elements and Trusted Execution Environments (TEEs) as an extra layer of protection. This mix of hardware and software security strengthens IoT devices against advanced cyber threats.



CROSS DOMAIN SECURITY WITH EFFICIENT & SECURE TRANSFER

Tributech enables secure and reliable transfer of data from OT to IT systems, ensuring full data integrity, traceability, and provenance across domains, without the rigidity of traditional hardware like data diodes.



SECURE DATA TRANSMISSION

We ensure secure connections between IoT devices and central systems, including cloud-based platforms. Our robust security protocols protect sensitive data from unauthorized access or tampering during transmission.



BI DIRECTIONAL AI INTEGRATION

With near-real-time communication between OT devices and systems into AI/ML models, Tributech enables dynamic updates to process parameters, fostering continuous optimization, enhanced performance, and greater operational efficiency.



UNIVERSAL COMPATIBILITY

Our platform supports any edge or embedded IoT device for seamless integration across multiple environments. Tributech unifies your device fleet while securing data in industries from industrial automation to healthcare.



DEPLOYMENT FLEXIBILITY

Tributech provides flexible deployment options like C-SDK integration, application-based setups, and dedicated hardware appliances, enabling organizations to select the solution that best fits their operational and technical requirements.

WHY TRIBUTECH?

Tributech is a deep-tech company providing a secure and scalable data middleware for OT, IoT, and IT environments. We deliver the highest level of data security alongside robust IT-OT interoperability, providing the foundation for your company's digital transformation. The Tributech platform not only protects your critical data but also optimizes your technology stack, allowing you to confidently pursue innovation and efficiency in a secure, connected environment.

BOOK A DISCOVERY CALL [HERE](#)

LEARN IF SYNAPSE OT/IOT FITS TO YOUR REQUIREMENTS

