secomea

Audit Certificate
Industrie 4.0 Compliance & Enablement

Products in scope: GateManager, SiteManager, LinkManager, LinkManager Mobile.

I40 Reference: Reference Architecture Model Industrie 4.0 (RAMI4.0) 1st ed. VDI, ZVEI.

IEC/PAS 62443-3 Security for industrial process measurement and control – Network and system security.

Audit Targets:
1. Compliance of products in scope with RAMI4.0 architecture.
2. Potential to utilize products in scope as Industrie 4.0 enablers.
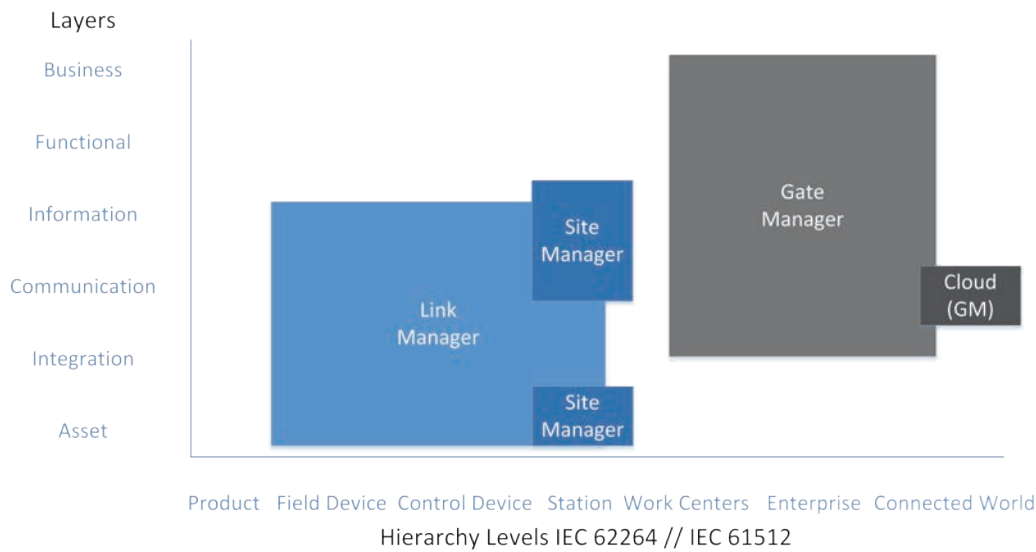
Use Cases:
1. Secomea product value chain (development / production).
2. Secomea products used in remote machine maintenance, machine builder perspective.
3. Ditto, factory/operation perspective.
4. Secomea products used to enable supplier-costumer connectivity.

Report: The results are documented in the accompanying report "Secomea I40 audit report November 2015". This certificate merely summarizes some of the findings and is not comprehensive. Please refer to the full report for a detailed description of the audit results and applicable constraints.

The Secomea products in scope are compliant with the requirements of Industrie 4.0 (RAMI4.0). They can be utilized as communication broker enabling I40 multi-dimensional communication relationships in a flexible and secure manner. Secomea products are Industrie 4.0 enablers.

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Audit Summary
Industrie 4.0 Compliance & Enablement

Layers

Business

Functional

Information

Communication

Integration

Asset

Product   Field Device   Control Device   Station   Work Centers   Enterprise   Connected World
Hierarchy Levels IEC 62264 // IEC 61512

Compliance: Secoma products in scope comply with the requirements of RAMI4.0 in all most relevant criteria. As the RAMI4.0 will move forward with more detail, Secomea seems well positioned to incorporate future requirements into their products. Secomea employs adequate processes and procedures to maintain and enhance I40 compliance along the entire value chain. Recommendations were expressed how Secomea could further evolve and adopt I40 concepts for their own value creation chain.

Enablement: The products in scope can be used to enable and facilitate I40 communication use cases. In combination, the products are very well suited to model and provide hierarchical multi-party communication infrastructure in a secure way. The products in scope act as communication broker for I40 communication scenarios. Multi-lateral inter and intra corporation communication relationships can be modeled with fine granularity. Centralized and decentralized scenarios can be realized. The model can be flexibly maintained along the value chain provided for in RAMI4.0. Security is maintained throughout all scenarios. (Security assessments are based on the in-depth security audit performed in 2014, documented in "Secomea Product Security Audit Report of Nov 11, 2014)

Report: The results are documented in the accompanying report "Secomea I40 audit report November 2015". This summary merely reflects some of the findings and is not comprehensive. Please refer to the full report for a detailed description of the audit results and applicable constraints.

Summary: The Secomea products in scope provide a valuable contribution to the evolving industry 4.0 architecture. The company demonstrates how available technologies can be utilized to provide key elements of communication infrastructure addressing current needs of the industrial automation world bridging into the requirements of the future connected industry 4.0.

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