Developed for Siemens S7-300 series PLCs, the deviceWISE IoT Cloud Software for Siemens ERPC connects and integrates production machines and processes to IoT and Cloud Services for Remote Monitoring and integration with relational databases systems, enterprise resource planning (ERP), manufacturing resource planning (MRP), manufacturing execution systems (MES) and SCADA applications.

- Embedded software framework is easily loaded on Siemens ERPC CP-343 Communication Processor
- Enables PLC "Direct to-Cloud" connections for Remote Monitoring and Remote Enterprise Application Integration
- Remote connectivity to SQL databases: Oracle, MySQL, MSSQL, IBM DB2, PostgreSQL, IBM DB2/400
- Remote connectivity to messaging systems: TCP, XML, HTTP, XML, SAP NetWeaver, SAP BAPI, SAP HANA, Microsoft MSMQ, IBM WebSphere MQ, IBM WebSphere JMS/SIB, Web Services
- Direct connections to other PLCs: Atlas Copco, Mitsubishi, ModBus, Omron, Rockwell, Siemens
- Data mapping between different PLCs, with no programming
- Supports unsolicited messages from many devices for guaranteed data integrity and best performance
- Easy configuration, maintenance and updating: No .NET, Java, or C++ programming required. Simply select your PLC tags and "associate" them database tables columns, application or XML tags
- Role-Based Access Control: multiple authorization levels to control who has access to functions and view and change data, granular to the level of the device variable
- Remote Configuration Management
- Upgradable to enterprise software version as required

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deviceWISE IoT Software enables in-factory PLC to PLC tag mapping and communication in addition to subscription-based Remote Monitoring and Remote Enterprise Application Integration.

**EASY INSTALLATION, SECURE, SCALABLE**

The deviceWISE Factory software can be easily installed and maintained on-site without needing extensive programming skills and is preferred among industrial companies that rely on mission-critical connectivity, security, scalability and enterprise-grade performance.

The scalable architecture is configurable to any manufacturing environment in any industry by leveraging the comprehensive library of built-in standardized device drivers and enterprise connectors.

deviceWISE supports “PLC to PLC” peer communications with other SIMATIC PLCs and PLC-to-Cloud enabling remote information transfer, transaction logging, and bi-directional communications in an auditable and controlled way.

The deviceWISE IoT/M2M Gateway decreases installation and maintenance costs by eliminating the use of intermediate PC technology and custom programming.

**deviceWISE Cloud**

Enables secure remote monitoring, remote storage, web-based dashboard and visualization, configurable alarms, cloud-based flexible storage and centralized enterprise application integration.

**Edge Processing Logic Engine**

Allows optimal PLC data collection, aggregation, scaling and validation, reducing need reduced remote monitoring data transactions - since only actionable business information is delivered, as needed.

**Role-Based Remote Access Control (RBAC)**

This approach is used to restrict system access to authorized users. Roles can be created for various job functions or specific device variables to grant permissions to perform certain operations or access specific equipment or processes.

**Unsolicited Device Messaging support**

Ensures data integrity and delivery by handling data transmissions as a transaction versus using unreliable polling handshake interlocks.

**deviceWISE IoT Software**

Enables in-factory PLC to PLC tag mapping and communication in addition to subscription-based Remote Monitoring and Remote Enterprise Application Integration.

- No PC required
- No PLC programming required
- Single deviceWISE installation
- Easy to use deviceWISE workbench

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ILS Technology provides the world’s only ready-to-use, off-the-self cloud platform to connect enterprise IT systems to the devices and machines on which business depend. ILS Technology solutions are easy to deploy to any device without the need for months of complex programming or development.

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