

# deviceWISE FOR FACTORY

## INDUSTRIAL IoT SIMPLIFIED

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Securely connect your factory to your enterprise AND your ecosystem from a single, scalable platform.

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### Quickly Connect Factory to Enterprise

Developed to operate within the four walls of the enterprise, deviceWISE for Factory connects and integrates production machines and processes with existing enterprise resource planning (ERP) and manufacturing resource planning (MRP) systems and SCADA applications.

### Eliminate Custom Programming

The deviceWISE platform decreases installation and maintenance costs by eliminating the use of intermediate PC technology, custom programming and home-grown solutions. The result is enhanced security and reduced system integration cycles. Compatible with virtually any database, message queuing and application server system available, deviceWISE breaks through complicated data transfer layers and the resulting connectivity reduces time to revenue.

### Scale to Any Size Operation

The scalable architecture is configurable to any manufacturing environment in any industry because it uses a vast library of built-in standardized device drivers and enterprise connectors.

### Enable Bi-Directional Communication

The deviceWISE platform enables bi-directional communication between intelligent assets – OT to OT and OT to IT – for information collection and collaboration as well as centralized asset management and business processing. For example, PLC to PLC and PLC to/from databases or applications. The platform enables real-time information transfer, transaction logging and bi-directional communications in an audible and controlled way.

The logo for deviceWISE, with 'device' in a light blue font and 'WISE' in a bold, dark blue font. The 'I' in 'WISE' has a yellow dot above it.

# CRITICAL FEATURES

## Edge Processing Logic Engine

Allows optimal PLC data collection, aggregation, scaling and validation. Reduces data processing load on the enterprise systems since only actionable business information is delivered as needed.

## Internal Company Controls: Role-Based Access Control (RBAC)

Control access and improve auditing by restricting 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.

## Reliability: Store and Forward

Improve compliance and data integrity. In the event that the connection with enterprise applications is interrupted, data is automatically saved and will be delivered when access has been reestablished, assuring no data is lost.

## Unsolicited Device Messaging Support

Ensure data integrity and delivery by handling data transmissions as a transaction instead of using unreliable polling handshake interlocks.

## Secure Remote Access: External Control

Provide role-based, real-time and on-demand access for OEMs to their equipment installed at production facilities around the globe for predictive and preventative maintenance.

## Optional Cloud Connectivity

Pre-configured for cloud connectivity and integration, our industrial IoT (IIoT) platform is perfectly suited to all manufacturing verticals including automotive, pharmaceuticals, machinery, oil and gas, electrical power generation, water and more.

## SAVE TIME AND REDUCE COSTS:

- One common tool saves development and maintenance time and cost for both OT and IT
- Runs on PLC, rack or backplane
- Runs on any computer system
- Bi-directional data transfers
- Simple graphical tools to configure
- No custom programming required

## EXTENSIVE LIBRARY OF DEVICE CONNECTORS:

- Native drivers for most industrial PLCs
- Standardized driver protocols
- Drivers support event/unsolicited messaging
- OPC-DA on Windows systems
- deviceWISE SDK available
- Unsolicited device messaging support

## BUILT-IN CONNECTORS TO COMMON ENTERPRISE APPLICATIONS:

- Make use of investment in current enterprise systems
- Integration with legacy solutions
- Built-in optional cloud connectivity
- No need to touch the enterprise system



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