

Softing Industrial Automation Launches SDEX Suite – The All-in-One Solution for Seamless Data Exchange in Manufacturing

A unified platform for industrial connectivity and shopfloor data integration – SDEX Suite combines OPC UA, MQTT, and edge technologies for secure, efficient, and future-ready Industry 4.0 and IIoT applications.

Haar near Munich/Germany, November 04, 2025 – Softing Industrial

Automation introduces the new SDEX Suite (Shopfloor Data Exchange Suite), a unified platform for industrial data integration. The suite combines proven Softing solutions such as uaGate, edgeGate, edgeConnector, edgeAggregator, and the Secure Integration Server (SIS) into one comprehensive, secure, and scalable solution for data exchange between the shopfloor and IT.

Addressing Modern Manufacturing Challenges

Manufacturers face growing challenges with aging equipment, diverse control systems, and rising demands for quality and efficiency. At the same time, data availability, IT security, and compliance requirements are increasing. Seamless integration of production data into MES, ERP, or cloud systems has become essential for predictive maintenance, OEE analysis, and AI-based optimization.

SDEX Suite – One Platform for Industrial Data Exchange

The SDEX Suite delivers a unified solution by bringing together key functions from several Softing products into a single, consistent platform for industrial data exchange.

Key features include:

- **Versatile connectivity:** Data from PLCs, CNC machines, and IoT devices can be seamlessly accessed and made available via OPC UA and MQTT, without requiring any changes to the control program.
- **Data aggregation and processing:** Structured consolidation, conversion, and filtering of data for ERP, MES, and cloud systems.
- **Flexible deployment:** Available as software (Windows, Linux/Docker) or hardware gateway for cabinet installation. Suitable for both IT and OT-driven environments.
- **High security:** Advanced encryption and certificate support (SSL/TLS) ensure reliable and standards-compliant communication.
- **Simple configuration:** Intuitive interface with drag-and-drop, and smart presets for fast setup.

Together, these functions reduce integration effort and complexity. They also enable continuous data availability from the shop floor to the cloud—regardless of manufacturer, protocol, or platform.

Future-Proof Industrial Connectivity

Built for maximum interoperability and IT security, the SDEX Suite meets highest security standards and uses advanced SSL/TLS encryption.

It supports secure data exchange between a wide range of controllers – including Siemens, Rockwell, and Modbus – and higher-level IT systems like MES, ERP, or cloud platforms.

This makes SDEX Suite the ideal foundation for condition monitoring, predictive maintenance, and Industrial IoT (IIoT) applications. Its open architecture and standardized protocols allow seamless integration into existing infrastructures and easy scaling for advanced analytics, cloud connectivity, and AI solutions.

Availability

The global market launch of the SDEX Suite is planned for Q1 2026.

The suite will be available under a unified licensing model, simplifying procurement and management while reducing the total cost of ownership (TCO) for OEMs, system integrators, and end-users.

Presentation at SPS 2025 in Nuremberg

Softing Industrial presents SDEX Suite at SPS Smart Production Solutions Trade Show in Nuremberg, November 25 to 27, hall 5, booth 258.

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Image:



Caption: Softing SDEX Suite – All-in-One Platform for Industrial Data Integration (Source: Softing Industrial)

Meta Title:

Softing SDEX Suite – Platform for Industrial Data Integration

Meta Description:

Softing's SDEX Suite unifies OPC UA, MQTT, and edge technologies in one platform for secure, efficient, and scalable Industry 4.0 data integration.

Keywords:

Softing SDEX Suite, Shopfloor Data Exchange Suite, industrial data integration, industrial connectivity, OPC UA, MQTT, edge computing, OT-IT integration, industrial communication, secure data transfer, shopfloor-to-cloud

Deep links:

<https://industrial.softing.com/>

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About Softing Industrial

Softing connects disparate automation components to feed data from the shop floor to the cloud for control and analytics. The company's products enable communications networks to be monitored and diagnosed to ensure a reliable flow of data, thereby creating the basis for optimizing production processes. For more information, please visit <https://industrial.softing.com>

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