SQLxConnect

CONNECT. MAP. TRANSFER.



SQL WITHOUT AN INTEGRATION PROJECT.

CONFIGURE DATA. TRANSFER DIRECTLY. PROCESS IT IN SQL.

You want...

? Machine data transfer to your MES
? Process value transfer to your CAQ/QMS
? Downtime and availability data transfer to your ERP/MRP
? Access to app data, alarms, and signals in SQL

But...

! SQL connectivity becomes an IT project
! Specialists & coordination required
! Maintenance and ongoing effort
! Every change creates more work

Edge devices usually provide data via OPC UA or MQTT, but not every IT system supports these protocols, and there is often no time for an integration project. SQL works almost everywhere. SQLxConnect is a siineos® app that writes siineos® data directly to MySQL, PostgreSQL or Microsoft SQL Server through configuration instead of code. You define records from signals and app data and set rules for when and how the data is transferred.

Two steps every IT professional understands:

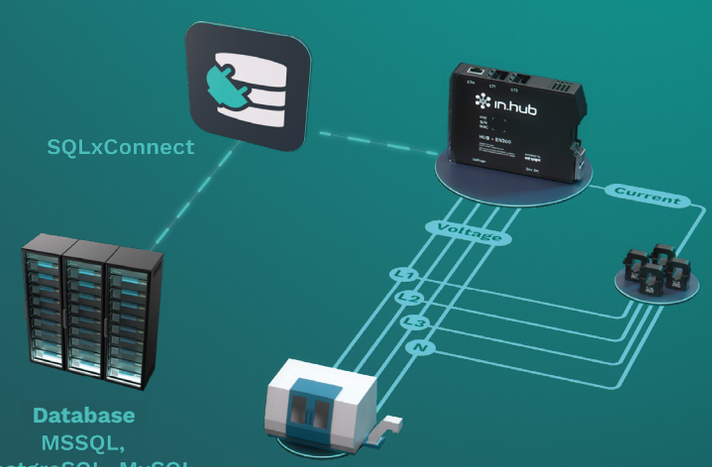
1. Define data records

✔ Select sources: signals, apps, alarms, calculations
✔ Define the table + fields

Example: downtime + reason + timestamp → MES table

2. Control transfer rules

✔ Triggers: periodic / on change / on record change
✔ Storage: one or more tables
✔ Layout: columns or rows
✔ No programming required



IN.HUB SQLXCONNECT: FEED EDGE DATA DIRECTLY INTO YOUR IT SYSTEMS

SQLxConnect turns edge data into IT-ready data. Many production and IT systems use SQL or expect SQL-structured data: MES (planning, reporting, and KPIs), CAQ/QMS (quality data and inspection history), CMMS (maintenance, servicing, and fault reports), ERP/MRP (production, material flow, and production reporting), and energy management (analysis, records, and reporting). Because SQL is widely used, stable, and familiar across the industry, SQLxConnect provides a practical route to integration.

Example 1:
Downtime data in your MES

Edge devices capture runtime, downtime, and availability. SQLxConnect writes structured data to SQL tables used directly by your MES: no dedicated project, intermediate server or custom software required.

Benefit: Less project effort, faster implementation, and direct use in your MES.

Example 2:
Process values for CAQ/QMS

Process values such as pressure, temperature, cycle counts or limit violations are transferred by SQLxConnect into an SQL structure analyzed by your CAQ/QMS system.

Benefit: Quality data is traceable, structured, and ready for immediate use.

HOW SQLXCONNECT SUPPORTS YOUR OPERATIONS:

TRANSFER DATA DIRECTLY

- Write machine data to SQL databases
- Make data available for MES, CAQ/QMS, CMMS, ERP/MRP or energy management
- Reuse existing SQL structures

LESS INTERFACE DEVELOPMENT

- Configure records and rules without programming
- No additional intermediate server needed
- Implement changes faster

MORE VALUE FROM EDGE DATA

- Share downtime, process values, alarms, and calculations
- Improve integration with reporting, quality, and maintenance
- Turn machine data into usable IT data

TECHNICAL OVERVIEW

- siineos® app for SQL transfer and mapping
- DBs: MySQL, PostgreSQL, Microsoft SQL Server
  - Sources: signals, alarms, app data, calculated signals
- Fully configurable records: table + fields
- Triggers: periodic / on change / on record change
- Storage: one or more tables, column or row layout
- Unlimited connections & rules

GET TO KNOW SQLxConnect

Discover how SQLxConnect transfers structured edge data to your SQL databases for use in MES, CAQ/QMS, ERP/MRP or energy management.

Scan the QR CODE for more information ->

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