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IT / OT Integration

We link shopfloor systems (OT — controllers, robots, sensors) with digital systems (IT — servers, applications, and cloud platforms) to make production data accessible and actionable.

1

We collect data from controllers, machines, robots, and sensors.

- PLC programming for data collection
- Deployment of edge devices and gateways for sensors
- Real-time data extraction from industrial robots
- Building communication interfaces to collect data from machines and measurement systems

2

We transfer data using reliable industrial protocols

MQTT OPC UA TCP/IP HTTP

3

We structure data in scalable databases

- Database design (MySQL, MSSQL, PostgreSQL)
- Backup and recovery of databases
- Integration with cloud databases (Azure, AWS)

MySQL MSSQL PostgreSQL Azure AWS

4

We deliver data to where it is needed

Dashboard MES ERP Cloud




Worker Guidance Displays

We provide digital worker guidance systems that support operators directly at the workstation. We replace paper-based instructions with interactive, real-time visual guidance, ensuring accuracy, speed, and consistency in production.

- Seamless integration with the production line
- Communication with PLCs for real-time process data
- Data integration from databases, ERP, and cloud systems
- Barcode scanner integration for tracking and validation
- Custom-designed solutions tailored to specific workflows


Works on web browser

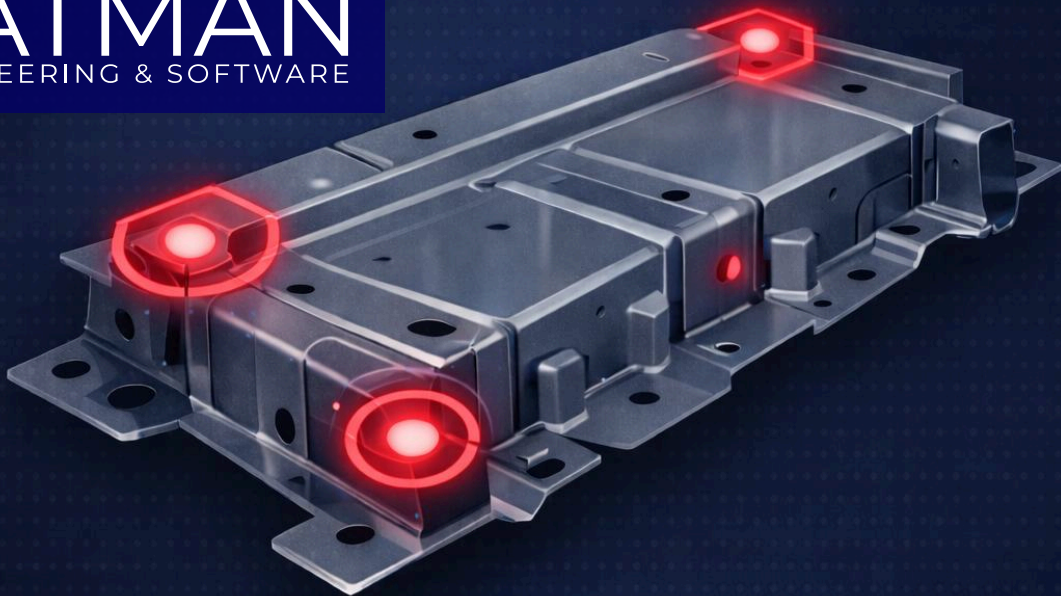
- Server-based software architecture
- No installation required on the shopfloor
- Accessible via browser from any device and compatible with PC, tablets, and mobile devices



Interactive Displays

- Not only displays information, but also requires operator confirmations, inputs, or approvals
- Works with touch screens





Quality Control Visualization

We design systems that guide operators through every inspection step, showing exactly what to check and where to check it.

- ✓ Highlights critical inspection points directly on the product
- ✓ Guides operators through each quality step visually
- ✓ Validates inputs in real time (OK / NOK / measurements)
- ✓ Prevents skipped or incomplete inspections
- ✓ Records every result for full traceability

Works on web browser

- Server-based software architecture
- No installation required on the shopfloor
- Accessible via browser from any device and compatible with PC, tablets, and mobile devices



Interactive Displays

- Not only displays information, but also requires operator confirmations, inputs, or approvals
- Works with touch screens





Data Visualization, Dashboards

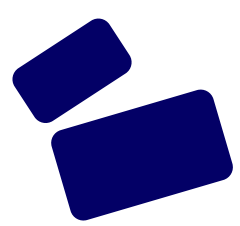
We build dashboards that provide real-time visibility into your production, enabling faster decisions and better control.

We design and develop real-time industrial dashboards

We connect data from PLCs, databases, and cloud systems

We visualize KPIs, machine status, and production performance

We integrate it to Katman Dashboards or any other platforms



Katman Dashboard

Grafana

PowerBI

Qlik Sense

Works on web browser

- Server-based software architecture
- No installation required on the shopfloor
- Accessible via browser from any device and compatible with PC, tablets, and mobile devices



Data Storage, Viewer, Editor

We provide reliable data storage solutions combined with powerful tools to view, manage, and interact with your production data. From secure databases to user-friendly interfaces, we ensure your data is always accessible, controlled, and actionable.

We design and manage industrial databases for production data

We store data locally or in the cloud and achieve periodically

MySQL

MSSQL

PostgreSQL

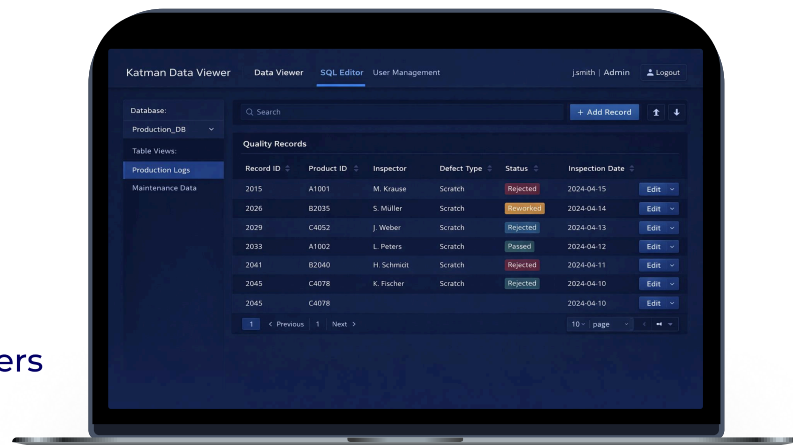
Azure

AWS

Katman Data Editor

Web based database viewer and editor for users in the production line

- Restrict access to all database
- View selected datasets views
- Role-based access control for different users
- Secure login and user authentication
- Field-level editing based on permissions





Ali Cagatay Desteli
KATMAN Engineering and Software
Theodor-Heuss-Str. 26
91074 Herzogenaurach
Germany

+49 162 2523327

info@katman-engineering.com

www.katman-engineering.com