

Init Data Collection Cloud

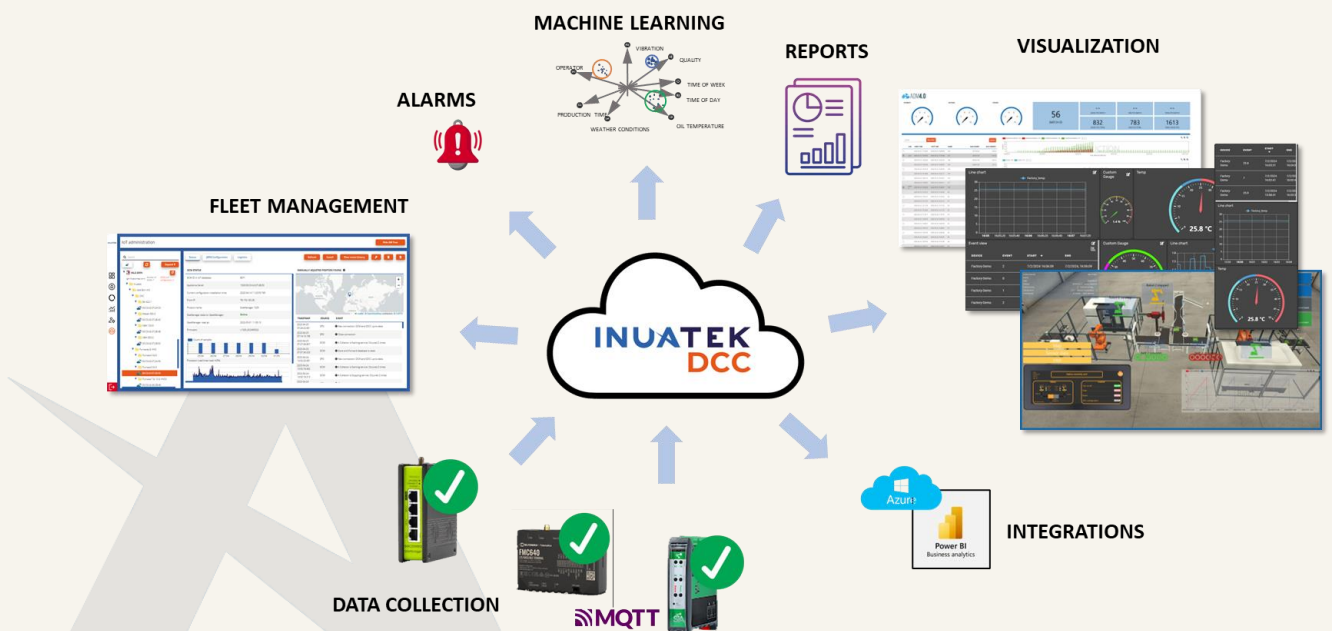
Industrial IoT Data Collection Made Easy



Init Data Collection Cloud (DCC) stands as a versatile cloud platform tailored for the seamless consolidation of IoT Device Management, Data Acquisition, and Presentation. Currently, Init DCC efficiently collects data from Programmable Logic Controllers (PLCs) and Human Machine Interfaces (HMIs) across thousands of machines and various industrial equipment. The platform operates on the philosophy of initiating data collection effortlessly, securely, and cost-effectively, enabling users to incrementally unlock value through advanced data refinement and robust dashboard tools.

Designed with precision, Init DCC caters to two primary segments:

1. Machine Builders (OEMs): Offering a comprehensive overview of machine fleets at remote sites, ensuring efficient operation and compliance with Service Level Agreements (SLAs). Notable adoption [includes CORE - Kongskilde Industries](#), where Init DCC integrates seamlessly with their corporate offerings.
2. Machine Users: Empowering production sites to gain insights into production line processes. The platform correlates diverse data sources to optimize energy consumption, operator efficiency, Overall Equipment Efficiency (OEE), production planning, and CO2 reporting. BIRN exemplifies this approach, utilizing real-time dashboards for operators and Business Intelligence (BI) dashboards for production planning.



Key features



1. Start Small, Scale Fast:
 - Cost-effective pricing model.
 - Seamless scalability from a single IoT device to thousands.
 - No risk of cost escalation.
 - Easy addition of new machines with no specialized knowledge required.
2. IoT Device Management:
 - Intuitive configurator for easy creation of data collection profiles.
 - Supports various protocols (OPC UA, S7, Modbus, Rockwell, etc.).
 - Standard MQTT device compatibility for specialized purposes.
3. Advanced Role Management:
 - Grouping of machines for controlled access.
 - Granular role assignment for different user privileges.
 - Hierarchical structure for managing branch offices and business units.
4. Visual Dashboard Design:
 - Builder for fleet management views (list view or map plots).
 - Dynamic status symbols and links to detailed machine-specific dashboards.
 - Extensive library of widgets for real-time and historical data.
5. Remote HMI:
 - Visualization of control panels for web and VNC-enabled PLCs and HMIs.
 - Remote access and operation of control panels within the dashboard.
6. Alarms and Reports:
 - Event Notifications module for triggering email or SMS notifications.
 - Correlation of data values to set thresholds.
 - Customizable reports for designated recipients.
7. Data Refinement:
 - Powerful feature for enriching data with metadata.
 - Translation of bit patterns to machine models.
 - Application of location, contact person, or other information to data sources.
8. Custom Branding:
 - Private labeling for a seamless integration into your offering.
 - Customization of colors, logos, login screens, and background images.
9. Choice of Cloud and On-Premise:
 - Cloud-based, running on Azure in Europe for 99.9% uptime.
 - Cloud-agnostic design, adaptable to AWS or on-premise server centers.
10. External Data Processing:
 - Northbound interface with API for seamless data integration with MES and ERP systems.
 - Automatic push of data to a data lake for accessibility via tools like Power BI.

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