

In.Grid

Traceability Platform



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Line monitoring

Data collection from the PLCs on the production line.
This data can be used to monitor the overall performance and KPIs of the production lines and identify bottlenecks or areas that need improvement.



Robot monitoring

Data collection from Comau Robot to calculate performance metrics.
This data will be used to monitor the health and performance of the robots and identify potential issues that will need to be addressed.



Traceability

Data collection on a product during its production, such as quality data and other information related to the manufacturing process. This data will be used to trace the product throughout production process and ensure that it meets the required standards.



What is In.Grid Traceability?

In.Grid

Is the Comau Saas and On Prem platform that allows you to shape Industry 4.0 in line with the Smart Factory Concept.

By interconnecting

Comau and non-Comau equipment, In.Grid Traceability enables you to ensure your products meet quality and performance specifications by tracking components and processes. The solution ensures data reliability even with intermittent connectivity issues.

Traceability

Is engineered for any discrete manufacturing system and designed to provide end-to-end visibility, enhance operational efficiency, and ensure compliance across the entire production and supply chain process.

Information

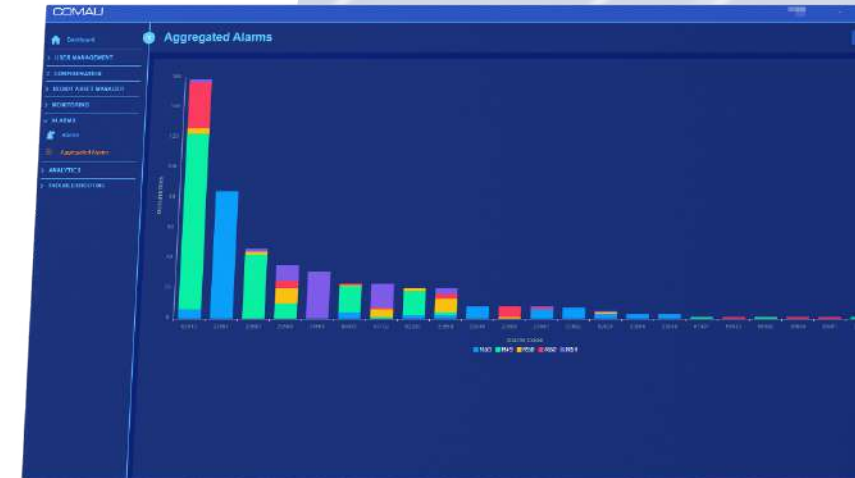
Is available and displayed through a simple and interactive interface.

Workers

Play a central role when faced with a completely digitized production process. It empowers them to evaluate the information received from the system and make strategic and operational decisions based on it

Expected benefit

Improve operational efficiency, ensure compliance, enhance quality control, and build trust throughout the supply chain while meeting the growing demands for transparency and sustainability.



The screenshot displays the 'Filter Configuration' dialog box in the Comau In.Grid dashboard. The dialog is divided into two main sections: 'Robot Details' and 'Cabinet Details'. The 'Robot Details' section includes fields for 'Connection Status' (dropdown), 'Operating Mode' (dropdown), 'Robot Controller Name' (text), and 'Robot Controller Model' (dropdown). The 'Cabinet Details' section includes fields for 'Number of Arms' (dropdown), 'APC Model' (dropdown), 'RCM Serial Number' (text), and 'SCM Serial Number' (text). There are also buttons for 'Clear Filter', 'Cancel', and 'Apply' at the bottom right.

Traceability Tools for Real-time Visibility and Product/Process Tracking Across Production Lines

Key Features & Benefits

Comprehensive Historical Tracking

DESCRIPTION: Record and track all operations over time, ensuring a complete production history for every component and product.

BENEFIT: Reduces rework, recalls, and ensures consistent quality.

Supply Chain Visibility

DESCRIPTION: Monitors parts and materials from suppliers to finished products.

BENEFIT: Simplifies compliance with industry regulations and verifies ethical sourcing

Line Performance & Quality Analysis

DESCRIPTION: Correlates line performance with quality data to pinpoint defects.

BENEFIT: Enhances quality, optimizes workflows, and minimizes product scraps.

Automated Data Collection & Reporting

DESCRIPTION: Automates inventory tracking, production monitoring, and reporting.

BENEFIT: Provides real-time insights for smarter decision-making.

Proactive Decision-Making

DESCRIPTION: Analyzes manufacturing data for quick issue resolution.

BENEFIT: Reduces downtime, improves sustainability, and meets safety standards.

Customized Report Generation

DESCRIPTION: Allows users to tailor reports as needed.

BENEFIT: Saves time and costs while reducing reliance on developers.



Seamless, Scalable Integration for Immediate Results

Plug-and-Play Integration

In.Grid Traceability integrates easily with existing equipment and software systems, making it a flexible and scalable solution for production lines of any size.

Modularity

Based on a microservice approach, In.Grid Traceability fully adapts to your needs.

Scalability

Whether you're managing a single production line or multiple global facilities, In.Grid Traceability scales with your business and adapts to your evolving needs.

Create a Connected Production Environment That Tracks All Products and Processes in Real-time

Functionalities



USERS AUTHENTICATION
• 10 users



CUSTOMIZED DATA CLUSTER



VARIABLES MONITORING



ROBUST DATA COLLECTION
• 10 Variables/station



PRODUCTION FILTERING
• Param Trend
• Param value based



EXTRA VARIABLES TRACEABILITY



SIMPLIFIED LINE CONFIGURATION



STORAGE
• 32 GB Included



EXTRA USERS



REPORT GENERATION



EXTRA STORAGE

Deployment



ON PREMISE

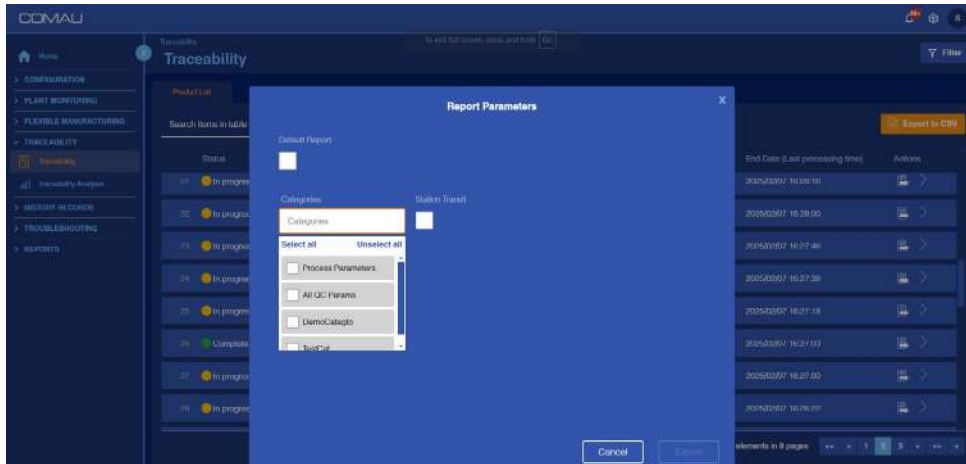


CLOUD

● Option ● Basic

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In.Grid Traceability Benefits Manufacturers



Real-time
product
tracking



Quality
standards
tracking



Regulatory
compliance



Improve
production
workflow



Higher
productivity



Cost of poor
quality
reduction



Data
integration with
ERP/MES/IOT



Reduced
environmental
impact

Status	Job ID	Model ID	Start Date	End Date (Last processing time)	Actions
In progress	COMAU_804_15554	804	2025/02/07 12:38:07	2025/02/07 14:57:07	
In progress	COMAU_804_15553	804	2025/02/07 12:37:29	2025/02/07 14:54:40	
In progress	COMAU_804_15552	804	2025/02/07 12:36:51	2025/02/07 14:51:54	
In progress	COMAU_804_15551	804	2025/02/07 12:36:13	2025/02/07 14:49:08	
In progress	COMAU_804_15550	804	2025/02/07 12:35:35	2025/02/07 14:46:22	
In progress	COMAU_804_15549	804	2025/02/07 12:34:57	2025/02/07 14:43:36	
Complete	COMAU_804_15548	804	2025/02/07 12:34:19	2025/02/07 15:30:53	
Complete	COMAU_804_15547	804	2025/02/07 12:33:41	2025/02/07 15:27:07	

360° Visibility for Smarter, More Efficient Manufacturing

In.Grid Traceability delivers end-to-end visibility across the entire production process, ensuring superior quality control, regulatory compliance, and seamless integration without disrupting operations.

In.Grid traceability: Smart quality & compliance monitoring

Developed by Comau, In.Grid Traceability is a **proprietary platform** that enables businesses to evaluate **product quality, production efficiency, and compliance metrics**, providing **deeper operational insights**.



Adaptable & industry-specific solutions

Unlike rigid traceability tools, In.Grid Traceability is **highly adaptable** to different **manufacturing environments**. Leveraging **Comau's deep expertise**, it tailors **monitoring solutions** to meet **industry-specific** requirements, ensuring a **first-level traceability system**.



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Competitive edge over generic solutions

In.Grid Traceability provides a **scalable and flexible** approach that seamlessly adapts to business growth and operational changes.



Flexible deployment: on-prem & cloud

In.Grid Traceability is available as both an **On-Premise and Cloud** solution, ensuring **greater flexibility** for companies of all sizes. In contrast, many competitors still rely on **on-premise-only systems or limited cloud capabilities**, making In.Grid the ideal choice for **modern, scalable infrastructures**.



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