

COLMINA

FUJITSU
Manufacturing
Industry Solution

The Fujitsu logo, consisting of the word "FUJITSU" in a red, sans-serif font with a red infinity symbol above the "i".

FUJITSU



The innovation concept that digitalizes your production environment

Industry 4.0 is here. COLMINA, FUJITSU's IoT-Solution for manufacturing companies, makes the most of your data and enhances the flexibility, speed and efficiency of your production processes.

shaping tomorrow with you

SMART FACTORY IS A KEY STRATEGIC TOPIC FOR INDUSTRIAL ENTERPRISES

63% of manufacturing companies plan to increase their investment in **Smart Factory** initiatives within the next 3 years, and 66% of them ranked **Smart Factory** a 7 or higher out of 10 on their list of strategic priorities.* Companies implementing smart factory strategies aim to improve their product quality to support their digital transformation and to enable easier and better customization of their products.

*Representative survey by Pierre Audoin Consultants taken from 204 manufacturing companies with more than 500 employees in Europe



Many industrial companies often find it difficult to manage diverse IT/OT systems across the enterprise. Furthermore, a vendor lock-in leads to a lack of flexibility and control over their data.

And since there is usually no interoperability between OT and IT, there is no insight into the data that is generated at the OT side.

With its three successive layers, COLMINA builds a bridge between OT and IT and enables companies to manage and utilize the production data for intuitive visualization and groundbreaking analytics.

COLMINA ARCHITECTURE

Service Layer

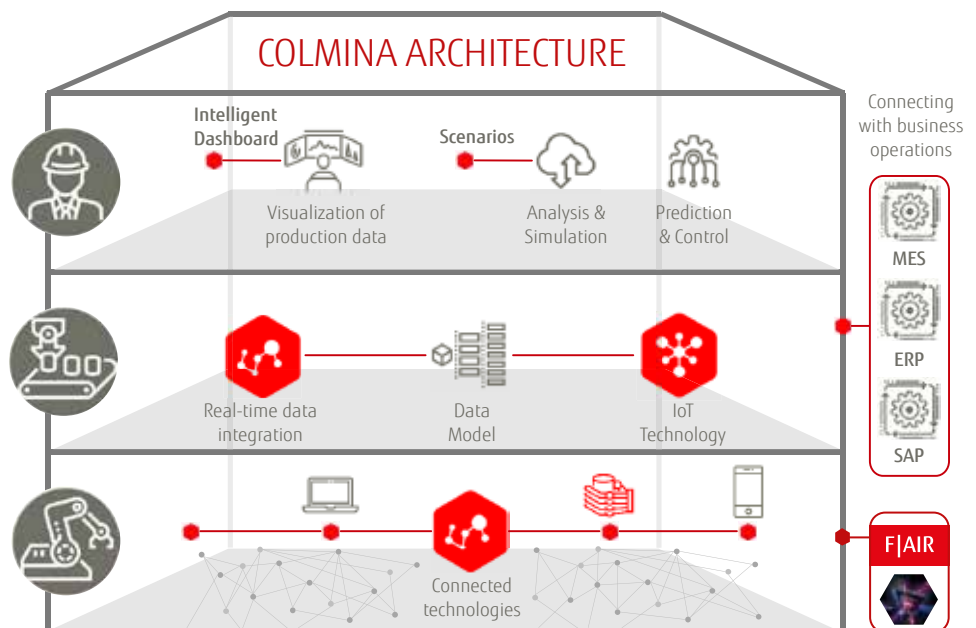
- Data digitalization
- Scenarios help to simulate, analyze and optimize processes

Data Layer

- Structured and unstructured data bases
- Data mapping and modelling

Edge Layer

- Connection to the shop floor
- Pre-analytics, filtering and categorization



COLMINA comes with many specific **end-to-end solutions** – the so-called scenarios – that help you to optimize your production in a smart way and enhance your processes throughout your **entire supply chain**. The scenarios will help you to prioritize, plan and make **quick decisions** as well as to **deal with insecurities**.

FASTER RESPONSE TO SPECIFICATION CHANGES



- Simulation of production switching timings in case of priority shifts
- Provides predictive information for prompt and improved decision making

MINIMIZE IMPACTS ON PRODUCTION



- Flexible adaption of production processes in critical situations, e.g. machine failure
- Compare production plans based on individual KPIs and choose

INCREASE FACILITY AND RESOURCE AVAILABILITY



- Identifies interrelations and causes of low utilization rates
- Checks production and utilization statuses

INTELLIGENT DASHBOARD



- Visualizes relevant factory data
- Allows roll-up aggregation and drill down deep dives

VALUE PROPOSITIONS

- Quick Start Program: Start immediately on a small scale via individual consulting approach
- Achieve overall process optimization across machines, lines, plants and companies effortlessly
- Expand it gradually with solutions taken from FUJITSU's ecosystem
- Smoothly adapts to all existing customer environments



MITSUBISHI HEAVY INDUSTRIES JAPAN

uses COLMINA to visualize the entire factory, including the facility operating status and the product as well as conveyor locations. With COLMINA they were able to reduce the response time to irregularities significantly.

Besides that, Mitsubishi Japan accelerated improvement activities through the factory-wide insight by understanding the KPIs applied across the factory. They indicated and collected data of the production volume, energy consumption and the production costs in real-time and high quality.



HOW TO GET STARTED WITH COLMINA?



READINESS ASSESSMENTS

With a proven and well-founded evaluation method we help you by finding out where to get started with your digital transformation.



DIGITAL TRANSFORMATION CENTER

We have the essential facilities in Tokyo, Munich, London, Osaka, Stockholm and New York or we can just bring them to you!



USECASE SCOPING

FUJITSU designs and creates a solution that fits your company and its needs best together with your experts onsite.

Get in touch with us!

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