

IIoT consulting and
development solutions

Revolutionize Your Manufacturing Process

With more than **10 years'** experience delivering cutting edge Industrial **IloT solutions**, **TXT E-Tech** can support analyzing your factory to provide the best solutions to monitor your machines and to get end-to-end traceability.

In the era of smart production lines, connectivity is a **key success factor**. Our **IloT consulting** and **development** practice empower your business by seamlessly integrating with your machinery, unlocking a world of possibilities:

Customized consulting:

We analyze your processes and operations, studying both your needs and the capabilities of the machines to identify valuable data streams, so to optimize workflows.

Real-Time Monitoring:

Stay ahead of the curve with real-time status updates and instant alerts, ensuring smooth operations and swift responses to any issues.

Tracked KPI span from OEE, to produced piece counting, up to energy consumption and other machine or product related data (weights, lengths, pressures, temperatures...).

Data-Driven Excellence:

Harness the power of real time production data to fine-tune efficiency, enhance product quality, minimize errors, paving the way for unparalleled success.

Proactive Solutions:

Our systems don't just collect data—they actively communicate with your machinery, preventing errors and ensuring seamless performance.

Ideal for All Manufacturing Needs:

Whether you're focused on production, maintenance, engineering, or quality, our solutions are tailor-made to elevate your processes.

Seamless Integration:

We seamlessly connect with major database systems, PLCs (Siemens, Rockwell, Allen Bradley, Omron, etc.), and CNC machines (Fanuc, Mitsubishi, Yaskawa, Euromap), ensuring compatibility and ease of use across the board.

Web application:

Enhanced user experience to configure and present the collected data.

Key Benefits:

- Automatic data collection reduces errors and boosts efficiency.
- Enhanced product traceability for ultimate quality control.
- Unparalleled support for your entire production ecosystem.
- Streamlined operations.

Why TXT?

1

Global Rollout and Commissioning:

We ensure smooth implementation of IIoT solutions worldwide.

2

Dedicated Support Channel:

A dedicated email and dedicated ticketing system for support and info requests ensures quick and personalized assistance.

3

24/7 On-Demand Support:

We provide round-the-clock support to address your needs promptly.

4

Tailor-Made Solutions:

Our team develops customized IIoT solutions to fit your factory layout and current processes perfectly.

5

Certified integrators:

we are certified on the platform we use in our solutions (such as Ignition by Inductive Automation).



Case Study:

Revolutionizing Tire Manufacturing with IIoT.

Client:

A leading tire manufacturer with multiple production facilities globally.

Challenge:

The client faced issues with inconsistent product quality, high scrap rates, and limited visibility into their production processes across different plants. Centralized recipe management.

Solution:

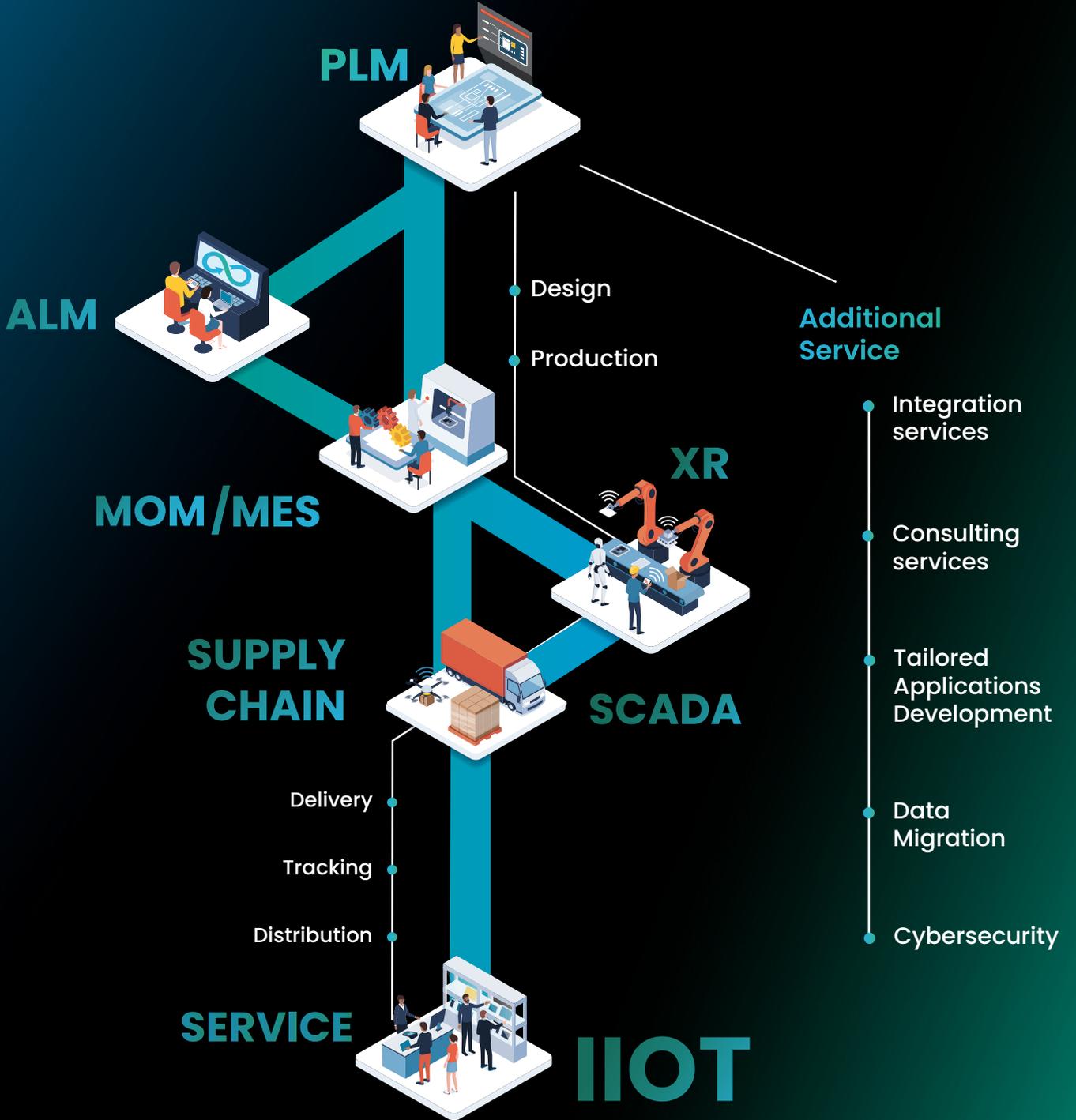
Implementing IIoT solutions tailored to their specific needs, including real-time monitoring, automatic checks, and centralized recipe management.

Outcomes:

- Scrap Reduction thanks to checks that prevent machine to produce in wrong conditions.
- Enhanced Quality thanks to centralized recipe management.
- Increased Efficiency.
- 100% Traceability.
- Cost reduction.

Conclusion:

Through the implementation of IIoT solutions, our client transformed its manufacturing processes, achieving remarkable improvements in quality, efficiency, and cost-effectiveness. By leveraging the power of IIoT and with more than 400 production lines connected, they are now better equipped to meet the demands of a competitive market while maintaining the highest standards of product excellence.



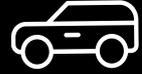
IloT for Manufacturing helps you to digitalize your factory by accessing and collecting data from machines. Moreover, by using customizable business rules, **IloT for Manufacturing** can handle all events and interactions between **industrial devices**. You can therefore react immediately to production drifts, as well as monitor the status of orders, machines, and materials, together with the most relevant manufacturing KPIs. With **IloT for Manufacturing**, you will lead and keep your factory at peak efficiency.

TXT Industrial Division, part of **TXT Group**, is committed to provide tailor-made technology-centred solutions designed to overcome customers' specific challenges. With a customer-centric and design-oriented approach, we offer customised advisory and development services in key areas such as **PLM, MOM/MES, IloT, ALM** (Application Lifecycle Management), **Digital Supply Chain, Artificial Intelligence** and **Cyber Resilience**. We work with both proprietary Smart Solutions, part of the **TXT Group** portfolio, and partner-supplied solutions to ensure a wide range of options for our customers.

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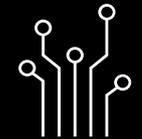
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