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Industrial IoT Solutions  
for Manufacturing and Supply Chain



# Who We Are

INNO Missions, part of **Ahmed Salem Bugshan Group**, is a leader in **IIoT** and **Industry 4.0** solutions. We combine human expertise with cutting-edge **IoT**, **AI**, and **analytics** to design smarter, safer operations. Inspired by Saudi Arabia's **Vision 2030**, our "**Human First**" philosophy ensures our solutions resonate with people's needs while driving sustainable growth and operational efficiency.

# Our Mission

Our mission is to empower industrial clients with an integrated **IIoT & AI** platform that connects people, machines, and data. We accelerate **Industry 4.0** transformations, helping businesses build **digital factories** and **smart supply chains**. Our solutions turn raw data into actionable insights, improving productivity, quality, safety, and sustainability.



# OUR PLATFORM

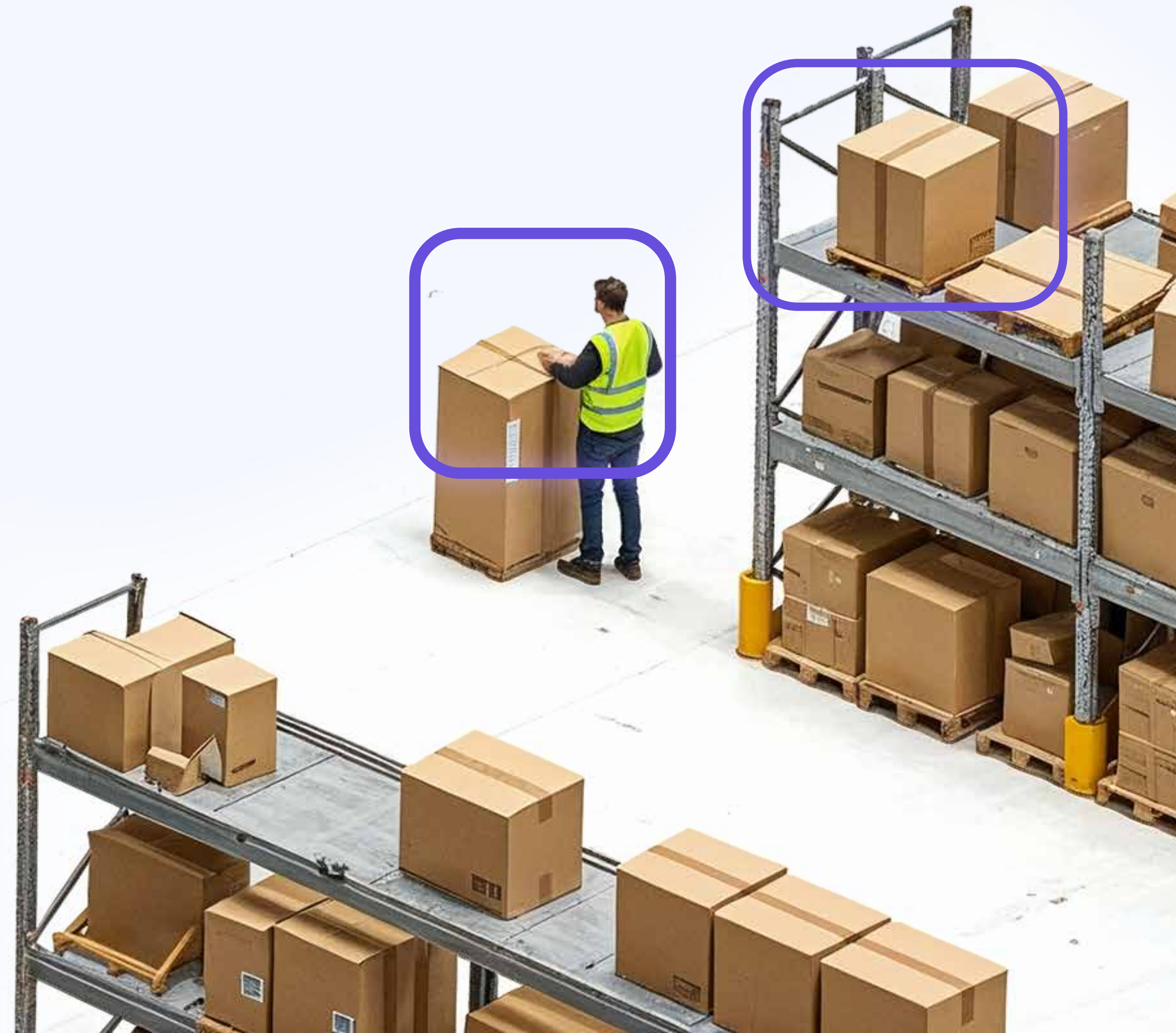
## Industrial IoT Platform

Our Industrial IoT Platform connects machines, people, and data in one place. Users can easily build dashboards and reports with a simple drag-and-drop interface. The platform powers key modules like MES, Predictive Maintenance, and Energy Management, and works seamlessly with our AI tools.

With the built-in Co-Pilot assistant, you get instant access to records, reports, and real-time insights—improving visibility and helping you make better decisions faster.

## Supply Chain Platform

Our Supply Chain Platform provides end-to-end visibility and smart inventory control. It automates replenishment, reduces excess stock, and ensures the right materials are available at the right time. This leads to better efficiency, lower costs, and smoother operations across the entire supply chain.



# Key Benefits

INNO Missions' solutions deliver real business benefits by optimizing operations and cutting costs through **sensor data** and **AI analytics**. Here's how:



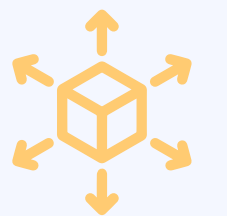
## Real-Time Visibility:

Monitor production, asset status, and inventory in real-time with live dashboards.



## Quality Improvement:

AI-driven inspection ensures product quality and compliance, reducing scrap.



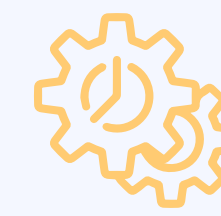
## Scalability:

Our cloud-native platform, offered in cloud, on-premises, and hybrid models adapts to new plants, products, and attributes, ensuring future



## Energy & Sustainability:

Smart metering and analytics reduce consumption and emissions.



## Predictive Maintenance:

AI forecasts machine failures, minimizing downtime and extending equipment life.



## Supply Chain Agility:

AI-driven forecasting and auto-replenishment optimize inventory and eliminate waste.

# Operational Modules

Our IIoT & AI platform is organized into focused modules, each offering specific value:

## 1. Smart Manufacturing

- **Manufacturing Execution System (MES):** Automates scheduling, dispatch, and quality control, linking sensors to eliminate manual errors.
- **Manufacturing Information System (MIS):** Aggregates production data, providing a real-time operational dashboard for better decision-making.
- **Predictive Maintenance (PdM):** Forecasts equipment issues before they occur, reducing downtime and costs.

## 2. Intelligent Operations

- **Real-Time Location Services (RTLS):** Tracks assets and personnel to improve safety and efficiency.
- **Remote Asset Management:** Monitors equipment 24/7, reducing emergency repairs and service costs.
- **Energy Management:** Identifies inefficiencies and reduces energy costs, achieving sustainability goals.



# Operational Modules

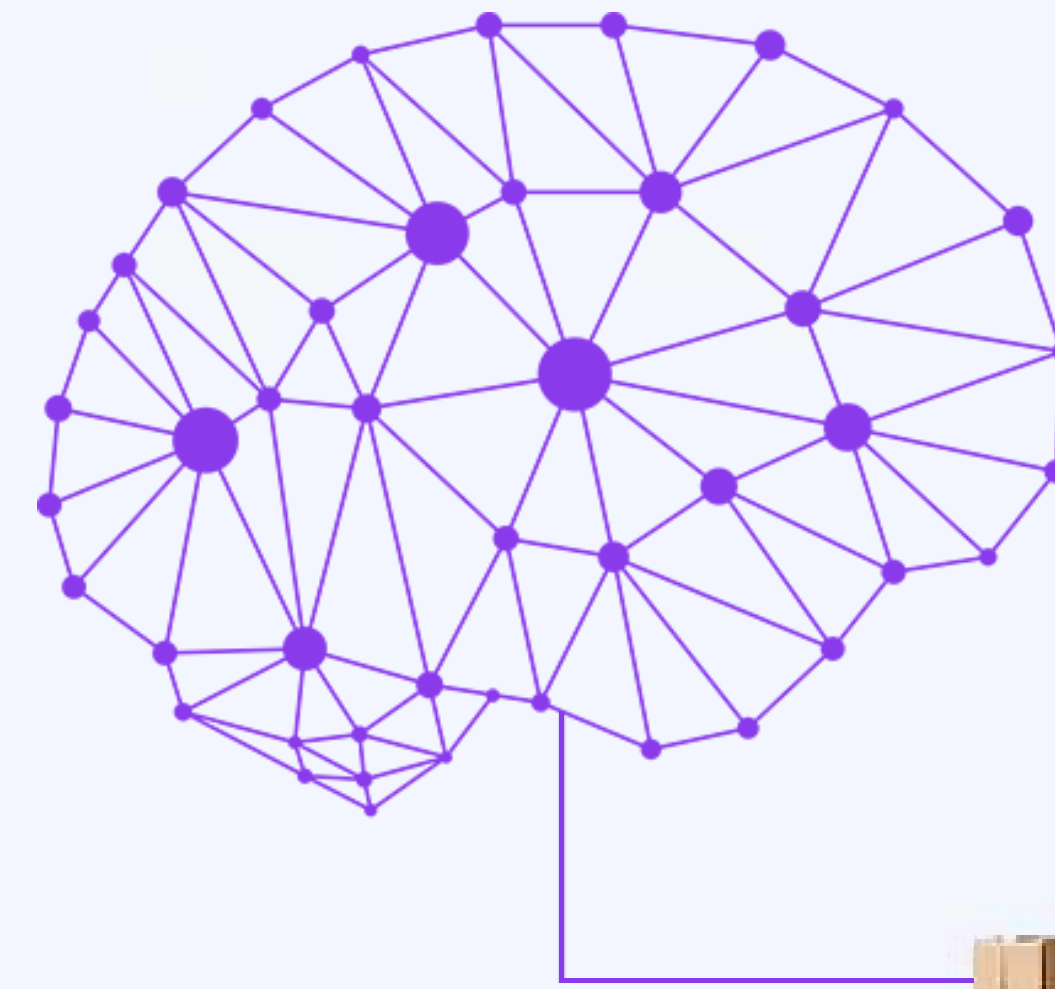
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## 3. Connected Supply Chains

- **Digital Demand Planning:** AI forecasts align production with demand.
- **Auto Replenishment:** IoT-based triggers prevent stockouts and overstock.
- **Inventory Optimization:** Reduces logistics costs and ensures high service levels.

## 4. Data & AI Solutions

- **Manufacturing AI & Digital Twins:** Virtual factory models identify operational inefficiencies.
- **Quality & Machine Vision:** Computer vision inspects products at scale for defects.
- **Sustainability AI:** Uses data to drive greener, more sustainable operations.



# Supported Technologies

Our technology stack supports the full IIoT ecosystem:

## Connectivity:

5G, LTE, LoRaWAN, Wi-Fi, and satellite links for secure data transfer.

## Industrial Integration:

Seamless integration with PLCs, SCADA, and automation controllers. Our solutions also align with the ISA-95 model, ensuring smooth integration between enterprise-level systems (ERP) and MES, enabling real-time operational visibility and better decision-making.

## Edge & Cloud Computing:

Hybrid architecture for real-time control and scalable analytics.

## AI Frameworks:

Supports custom models and pretrained AI/ML libraries for advanced analytics.

## Cybersecurity & Data Governance:

Ensures data security, accuracy, and compliance.



# Consultancy & Transformation Services

We also offer hands-on consulting to guide your digital journey:

## Industry 4.0 Assessment:

Evaluate maturity and create a roadmap aligned with Vision 2030.

## AI & Data Analytics Consulting:

Develop tailored AI use cases and upskill your team.

## Supply Chain Optimization:

Pinpoint bottlenecks and automation opportunities for smarter logistics.

## System Integration:

Design and integrate IIoT systems into existing IT/OT environments.



# Why Choose INNO Missions?

By combining cutting-edge technology with a human-centric approach, INNO Missions empowers industries to build smarter, safer, and more sustainable operations. Let's create the future together—where innovation meets purpose.

