

Mother's Technology Services

INDUSTRY 4.0

Digital Solution Suite

Connecting Things, Data, Process and People



Empowering Business Transformation with Industry 4.0

Mother'son Technology Services kickstarts the new areas of growth for manufacturing industries through its new age service offerings. Our Industry 4.0 capabilities and solution offerings powered by a strong ecosystem of 300+ manufacturing plants globally makes us a seamless solution enabler for smart factory transformation.

INDUSTRY 4.0

iDAÇS

Smart Manufacturing

More than an MES which is Modular and Scalable

ROBIS

Factory of The Future

Affordable Robotics and Machine Integration solutions for connected factories

mTIF

Smart Analytics

Operational & Enhanced productivity using the power of Big Data & Analytics

Industry 4.0 is a transformation that makes it possible to gather and analyze data across machines, enabling faster, more flexible & efficient processes to produce higher - quality goods at reduced costs.

This manufacturing revolution will increase productivity, shift economics, foster industrial growth—ultimately changing the competitiveness of companies

Industry 4.0 Capabilities

Linear, Delta, Mobile, 6 axis, Cobot, AGV, Conveyors, EOL, AR EOL

MES, T&T

Virtual Factory

ERP, APS, OPC, API Enabled Intergration

Sensors, Data collection, visualisation

AWS, Azure Cloud Solution

Protection, Monitoring, Governance

Factory Analytics

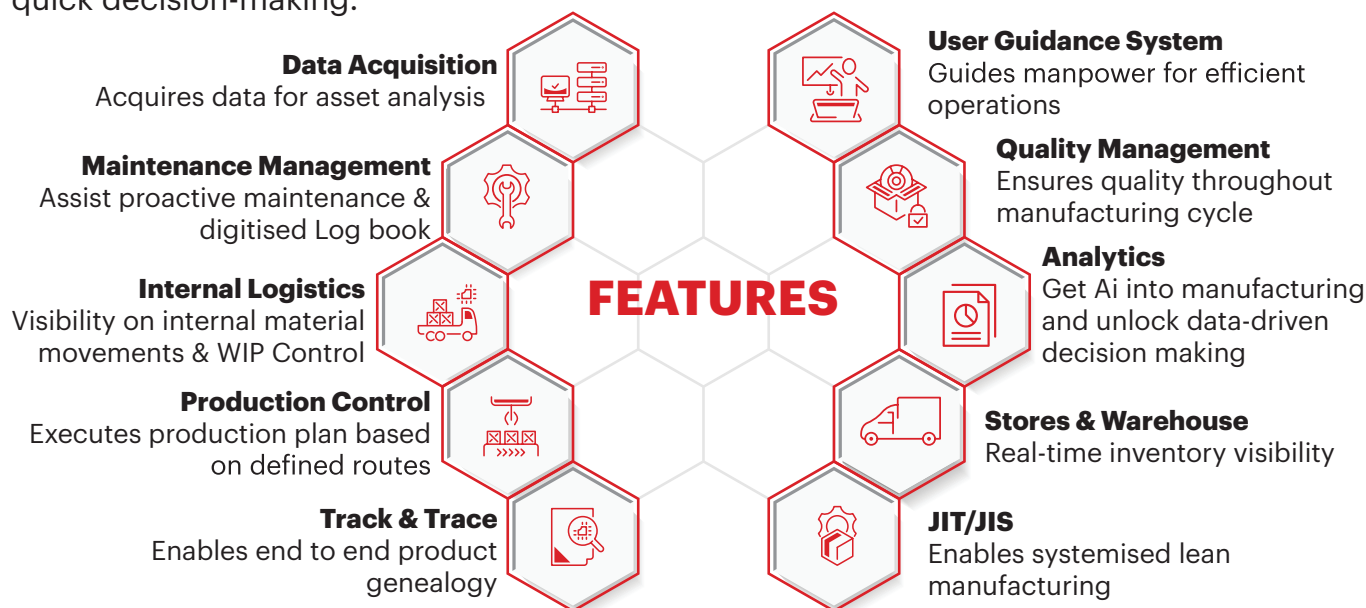
Intelligent Data Acquisition and Control System

Next Generation Smart Manufacturing Suite Commensurate with Industry 4.0



A highly flexible and configurable MES platform developed to assist the journey of digital innovation and transformation. It helps to achieve manufacturing excellence by entering Industry 4.0 and transform into smart factory.

iDACS connects your factory shop floor with the top floor and gives the complete visibility of 4M (Machine, Materials, Manpower and Method) and a real-time analysis helping in better and quick decision-making.



Differentiators



Hybrid Architecture



Highly Configurable



No code & DevOps



Simple Routing Definition



Gate IN to Gate OUT Control



Hardware, ERP agnostic



300+
Sites Supported Globally for Manufacturing Systems



5,000+
Devices Connected









+ Experience
Motherson Technology Services has intricate understanding of customer's diverse manufacturing environments & complex needs across different geographies
We Speak Customer's Language

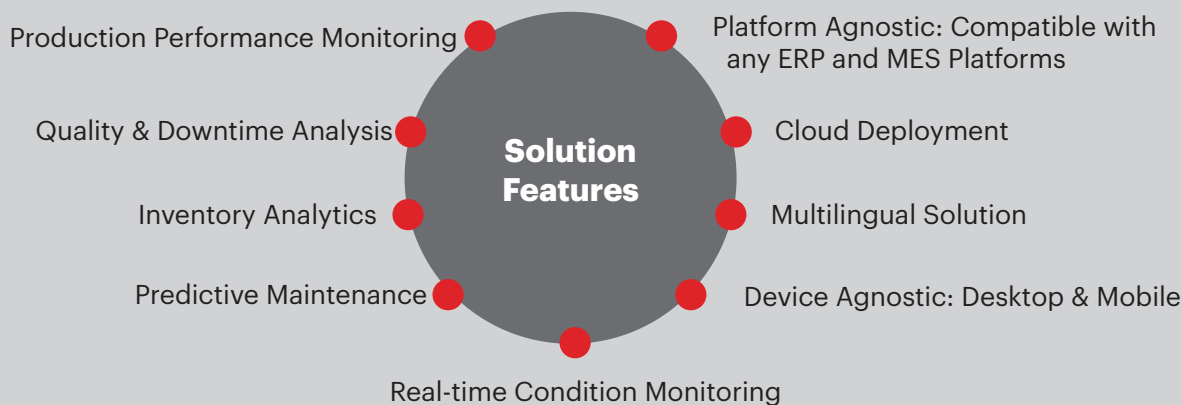
Drive Operational Improvements & Enhance Plant Productivity with

MOTIF FACTORY ANALYTICS SOLUTION










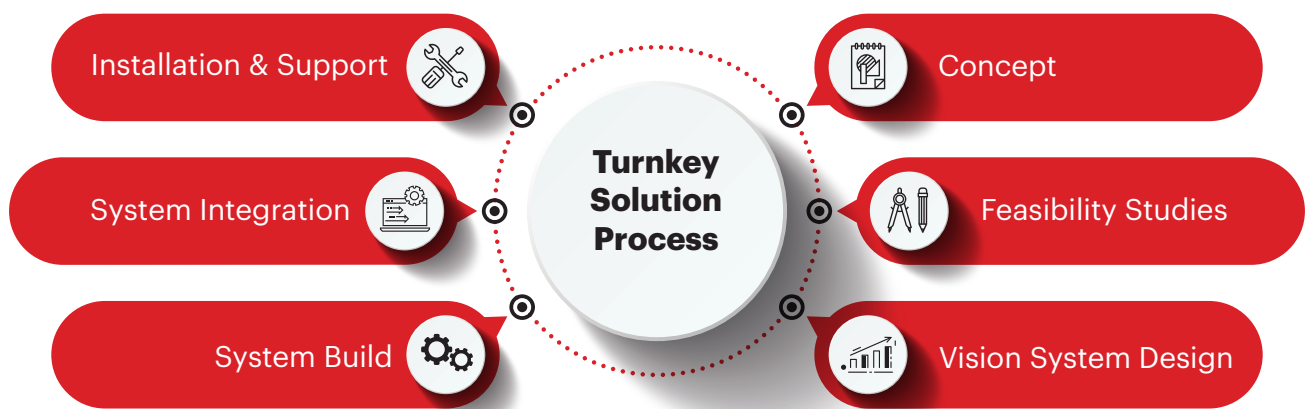
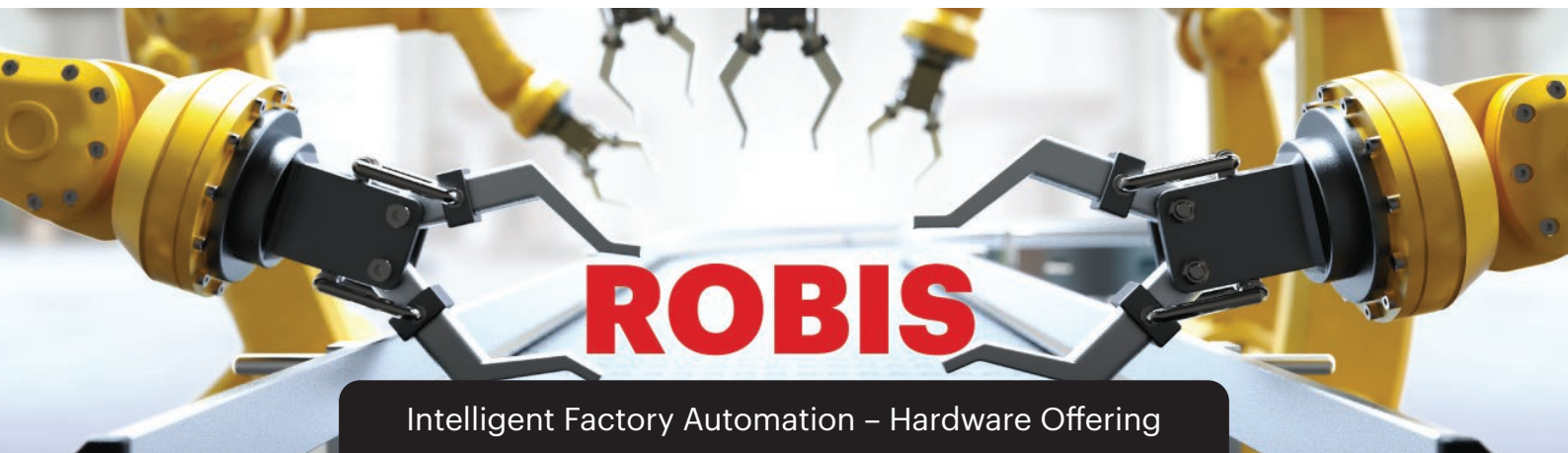
MOTIF Factory Analytics Solution by Motherson Technology Services is a big data and analytics-based solution suite that enables 360 degree view of key KPIs driving Operational Improvements and enhances Plant productivity using the power of Data and Advanced Analytics. The solution helps manufacturing enterprises address the below challenges

- | | | |
|---|--|--|
|  Inefficient Operational Processes |  Low Productivity Levels |  Multiple Data Sources (MES, ERP, SCADA) |
|  Manual Performance Tracking |  Lack of Data-Driven Insights |  Difficulty in action prioritization |



Solution Benefits

- | | | |
|--|---|---|
|  Identifying areas of opportunity by monitoring real-time production performance |  Providing Root Cause Analysis to operate at high levels of productivity and minimal rejection rates |  Improving asset utilization & reduced breakdown events by providing realtime alerts & recommendations |
|  Freeing blocked cash by recommending Optimal Inventory Levels & Dead Stock |  Detecting anomalies through critical process parameters (CPPs) with real-time condition monitoring |  Providing insights of Product Quality & indicating specific process parameters for quick actions |
|  Detecting required maintenance activity, to ensure seamless operation of production lines | | |



Industry 4.0

- Remote monitoring
- IOT data kit
- Machine to Machine connectivity (M2M)
- Horizontal & Vertical integration
- Cognitive computing & AI
- Augmented reality
- Collaborative robot
- Autonomous mobile robot

Robotics & Robotics Automation

- Linear robots
- SCARA robot
- Delta robot
- Robotic spot welding
- Inmold decoration
- Robotic punching
- Robotic Tending
- Robotic flaming

Automated Assembly & Testing Solution

- Handle assembly & Testing
- Punching
- IP/Bumper/Door trim assembly & Testing
- Console assembly & Testing
- Air register assembly

Quality & Traceability Aids

- Poke-Yoke system
- EOL for LIN/CAN
- Vision System
- Traceability System
- Blind auditing system
- Pick to light/voice
- Augmented reality
- Force measurement

Material Handling & Conveying, Storage & Warehouse Assistance

- AGV & AMR
- Conveyors
- AIDC
- Palletizing & De-palletizing
- WMS/WCS/WES
- Picking System
- ASRS

Reach out to us



Founded in 1975, Motherson Group is an industry leader and one of the world's largest manufacturers of components for the automotive and transport industries. The group's diversified portfolio makes it a complete solutions provider across the globe. Motherson Group serves its customers with a wide array of products and services through multiple business divisions including wiring harness, vision systems, modules and polymer, technology & software, aerospace, health & medical, logistics, retail and metal products. Motherson Technology Services is a global technology company that offers a consulting-led approach with an integrated portfolio of industry leading solutions that encompass the entire enterprise value chain. Our technology-driven products and services are built on two decades of innovation, with a future focused management philosophy, a strong culture of invention and co-innovation, and a relentless focus on customer-centricity. A CMMI Level 5 company, we have delivered best-in-class services to 430+ clients in 41+ global locations across all continents. We are a business division of Motherson Group, one of the largest manufacturers of components for the automotive and transport industries worldwide with 150,000 employees across the globe.

Visit us online at <https://mothersontechnology.com/>

Motherson Technology Services Limited
C- 26, Sector 62, NOIDA - 201309, U.P., India
Email: info.mts@motherson.com
Tel: + 91 120-436-5555; + 91 120-436-5556



Proud to be part of samvardhana **motherson** 