FACTORY OF FUTURE / INDUSTRY 4.0

Offerings

Factory Productivity & Efficiency
Machine Connectivity, Visualization & Analytics solutions

Product Design to Roll-out Time Optimization
Digital Thread Solutions for 3-dimensional integration of IT-OT systems & org's functions

Product Performance, Tracking & Optimization
Digital Twin solutions for Real-time insights and performance optimization

Health Monitoring of Key Assets
CBM & PdM solutions for reduced unplanned down times & real-time insights into Machine performance

Connected World.
Connected Experiences.

Credentials

Proven I 4.0 Methodology: Factory Assessment Toolkit, Data Collection Template, Hybrid Project Management Process, Checklist

DTDT Frame-work: Platform Agnostic Middleware, Micro-services, Frame works & ML Models for Digital Thread & Digital Twin use-cases

End-to-end CBM & PdM offerings: Assessment of Machine(s), KPI & CTQ definition, Sensor identification, ML based Predictive Analytics
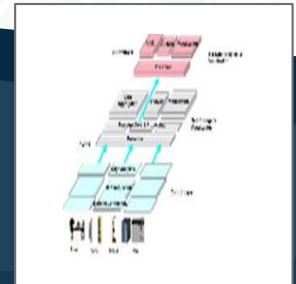
Asset Tracking Solutions: Track & Trace platform for various use-cases such as WIP tracking, Logistics, Supply-chain, Inventory etc

Vision & AR/VR based quality & Automation Solutions: Vision based Inspection & AR/VR/MR based solutions for various use-cases
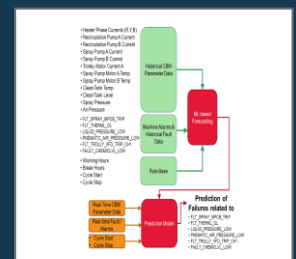
Factory IoT Server Deployment for Leading Auto Tier-1

- Strategic Partner to Design & Deploy F-IOT solutions across 130+ plants
- Factory Assessment, MES, F-IOT Server, IoT Applications .
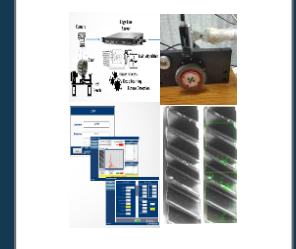- Digital Operations Centre for Global Service Desk

CBM & PdM Solution for Leading Tractor Manufacturer

- Condition Based Monitoring Solution for Key Machines
- ML & Predictive Analytics based PdM solution
- On-prem solution with MES interface

Vision based inspection Solution for Leading Tractor Manufacturer

- Vision-based Gear Analytics Solution
- Identifies Edge & Surface deformations on gear-teeth
- Detects cracks & chip-offs
- < 5 sec Tact Time

Digital Thread solution for Product Design to Roll-out Time Optimization

- Middleware for 3 dimensional Integration
- Design Automation
- Data exchange across various IT-OT layers
- CAD, PLM, MES integration

Tech Mahindra

CONTACT US AT : IES_Marketing@TechMahindra.com