

TCS Digital Manufacturing Platform

A Neural Manufacturing[™] Solution

Accelerate your journey to acquire 'Digital Intelligence' and reimagine your plant operations to be 'future ready by design'

Business Opportunities

High unplanned downtime and high maintenance cost remain 2 of the major challenges for efficient plant operations. These are complemented by asset reliability issues, non-optimal maintenance frequency and sub-optimal spares management.

Manual management of workforce often leads to low operational efficiency due to the lack of proactive training enablement. This also limits plants capability have well-rounded safety and



workforce monitoring procedures in place.

Lack of real-time visibility on the shop floor hinders operational efficiency of plants. What adds to this hindrance are the siloed plant functions. This often leads to greater concerns amounting to below-par energy optimization and inconsistent product quality.



TCS Digital Manufacturing Platform

DMP is the digital thread binding the connected assets, operations, supply chain and workers into a seamless neural fabric for your competitive advantage.

Connected Assets



- Condition-Based Maintenance (CBM)
- Predictive Maintenance
- Realtime Asset Tracking
- AR/VR based Guided Maintenance
- 3D Twin

Connected Operations



- Manufacturing Performance Management
- SPC Analysis
- Production Schedule Optimization
- Process TWIN
- AR Assisted Production & Manufacturing
- Operation Centerlining

Connected Workforce



- Worker Tracking & Safety
- Environment Monitoring Operator Assistance
- Workforce Planning
- Training

• Digital Workforce Management &

Connected Supply Chain



Picking, Put away & Loading) • Real Time Inventory View

• Material Tracking (Receipt, WIP,

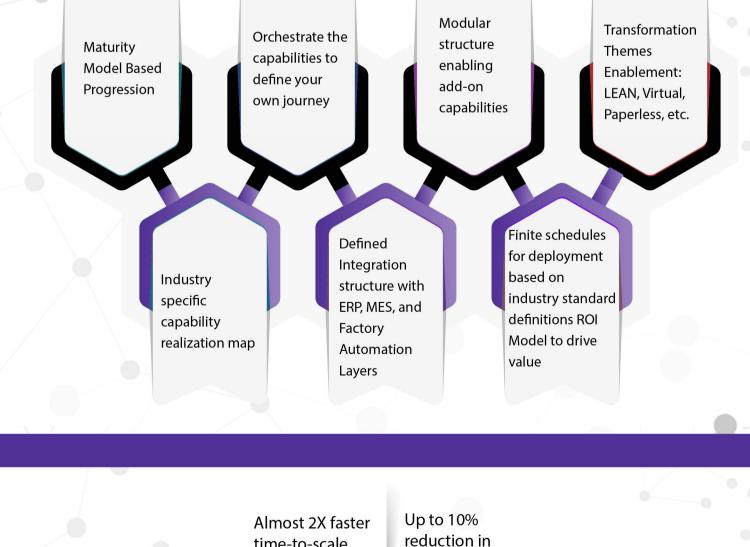
- Digital Traceability
- Inventory Optimization Spare Part Optimization

TCS DMP is the first solution in the market that enables clients traverse a seamless journey of

Key Differentiators

proposed market differentiators, we seek to design the holistic solution to achieve the goal of the future factory.

business capabilities from digitization to digitalization and digital transformation. With our



manufacturing cost ~40% reduction Up to 20% 5 in development improvement in Benefits time and cost to resource realize smart productivity and manufacturing safety capabilities Up to 20% improved **Up to 10%** equipment optimized supply

chain cost

time-to-scale

uptime