www.fogwing.io

Success Stories

PERFORMANCE MONITORING

INDUSTRY

AUTOMOTIVE PARTS MANUFACTURING

LOCATION

INDIA

PRODUCT USED

SFACTRIX - SMART MES
FOGWING IIOT PLATFORM

THE CHALLENGE

Our client was actively looking for an Integrated Smart MES to digitize complete manufacturing operations. The change was principally aimed at achieving Smart MES integration with master data and APS tools for real-time Production Monitoring, Tool Management and Product Traceability across the factory floor.

Critical challenges to be resolved were specific to enabling ongoing Production Monitoring, Data visualization at real-time, OEE monitoring, Performance monitoring, Downtime and machine condition monitoring. With already existing data and APS tools, Smart Manufacturing Execution System capable of integration was conditioned requirement.

SOLUTIONS

The implementation was proposed to be executed in a phased manner. Full-fledged implementation ran over a period of 5 months, focusing on gradual upgrades with each phase. Beginning with a proof of concept with key features automation and IoT enablement. Following OPE part A and B implementation over two months. Final implementation involving Product Traceability and Tools Management. The implementation process followed detailed training sessions to equip operators and management with product applicability and usage for effective results.

BENEFITS

- Smart Intelligence – The combination of MES and IIoT enables to collect, analyse and automate processes in manufacturing via continuous smart production monitoring.
- Integration Enabled – Fogwing IIoT and SFactrix MES are engineered to integrate with existing tools. Manufacturing downtime that creates business losses is minimized.
- Asset Traceability – With cognitive IIoT, Smart MES and Asset Intelligence, accessing data insights at real-time enables ongoing tracing asset health and performance.
- Production Monitoring – Requires on anticipation on production as data is captured at real-time that is ongoing irrespective of manual expert availability.