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MOTIF Factory Analytics

Enabling an electrical equipment manufacturing company to switch, from traditional manufacturing set up to a fully connected, flexible and digitized shopfloor ecosystem

Business Challenge

The organisation faced several challenges, including the difficulty in deriving valuable insights from large and inconsistent data sets. Motherson Technology Services has assisted them in addressing such challenges by implementing data analytics and improving overall productivity and efficiency.

- Driving meaningful information from large & inconsistent data
- Inaccuracy due to Manual data recording (e.g., reality v/s ERP/recorded information)
- Inefficiencies due to manual reporting
- Limited visibility of production, material flow related processes, overall inventory levels, FG levels, and other critical KPIs.
- Missing single source of Visualization & Analytics
- Managing & Monitoring of critical KPI's

Approach Adopted

MOTIF Factory Analytics

Motherson Technology Services provided assistance in the implementation of a factory analytics solution that catered to the client's specific needs by adopting a personalized approach in the following ways:

- Data ingestion from automated machines & working station.
- Provision & visibility of near real-time production & other material flow-related processes.
- Providing 360-degree shop floor visualization.
- 360° view of key KPIs driving Operational Improvements and enhancing Plant Productivity using the power of Data and Analytics.
- Provided FG achievement, SFG Production, Assembly, Head count Analysis, Man-Time Analysis, Warehouse Utilization, Warehouse Inventory Analysis, GRN & IQC dashboards and daily/Monthly reports for process performance & monitoring.

Benefits Derived

- Data ingestion from 190+ automated machines & working station and visualization of huge amount of data through centralized dashboards in near real time.
- Increase the forecast accuracy by 10%.
- Reduce the overall downtime by 14%.
- Increase the total efficiency by 29%.
- Business/Operations Sustainability through increased visibility & optimized process.
- Centralized Dashboards for Quick analysis & Decision Making.

Next Steps

If you have any follow-up questions or need some additional information, please feel free to reach out to us at info.mts@motherson.com.