

Leading Tire Manufacturer in Asia

Future Factory Strategy (FFS) Services

Challenge

- Limited understanding of opportunities for operational KPI improvement, key business priorities and assessing current technological landscape.
- Lack of visibility in overall equipment effectiveness (OEE) across assets.
- Lack of traceability to enable better root cause analysis and improve product quality.
- Absence of a robust mechanism to track and assess workforce productivity.

Solution

- Conducted a Future Factory assessment structured across three work-streams, operations value stream, management systems & capabilities, and technology landscape.
- Conceptualized real-time visualization and data capturing aspects, which would help address the challenges across the value chain.
- Customized our connected shop floor solution on SMP to capture elements around planned vs. actual losses, raw material (RM) weight addition, quality and process parameters, along with labor deployed.

Outcomes

- Identified ~2% excess raw material (RM) consumption in tread rolling and its root causes.
- Devised a strategy to improve RFT (Right First Time) by 50%, leveraging digital solutions.
- Potential to improve OEE by 10% by effectively managing the Kanban and handling time in the curing process. Prioritized digital transformation roadmap for the shop floor and its operations.

