

Leading Tire Manufacturer in Asia

Future Factory Strategy (FSS) Services

Challenge

- Conduct Future Factory assessment across departments to understand business priorities, operational KPI requirements, and the current technological landscape
- Improve visibility into overall equipment effectiveness (OEE) across assets
- Improve end-to-end traceability for better root cause analysis and product quality
- Provide a mechanism to track and assess workforce productivity

Solution

- Conceptualized the real-time visualization and data capturing to address the challenges
- 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 handling the Kanban and handling time in the curing process
- Prioritized the digital transformation roadmap for the shop floor

