@Hitachi Digital Services

Leading Tire Manufacturer in Asia

Future Factory Strategy (FSS) Services

Challenge?

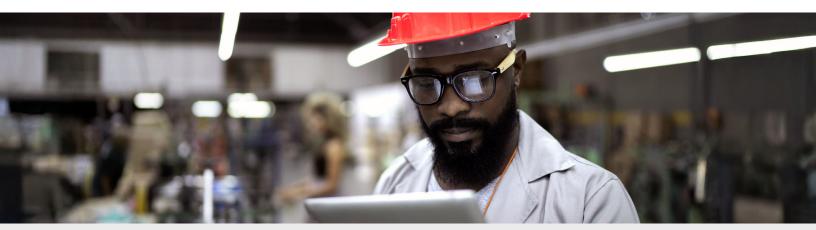
- Conduct Future Factory assessment across departments to understand business priorities, operational KPI requirements, and the current technological landscape
- · Improve visibility into overall equipment effectiveness (OEE) across assets
- Improve end-to-end traceability for better root cause analysis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

ခြို 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

→ ✓ ✓ ✓ ✓ ✓

- 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



© Hitachi Digital Services LLC 2024. All Rights Reserved. HITACHI and Lumada are trademarks or registered trademarks of Hitachi, Ltd. All other trademarks, service marks and company names are properties of their respective owners. HDS-CBE-FL-Material-Informatics-Solutions-10Apr24-B

Optimization Contraction Contractic Co

```
in 💥 D
```

Case Study