



Case Study

Industry 4.0 Implementation for Smart Factory

Global Operational Visibility & Benchmarking



Client

World's leading CPG manufacturing company based out of UK



Business Challenge

The client wanted to embark on paradigm shift in brown field plants, across the value chain from traditional manufacturing to digital manufacturing

- Lack of uniform system and processes across all manufacturing plants; The small-scale plants managed processes through manual data capture
- Non-availability of manufacturing data from various systems in a single repository & lack of insights leading to gaps in accurate production planning and market demand not being met
- Absence of inter-plant performance benchmarking – monitoring & reporting not using a standard set of KPIs for global performance benchmarking thus, hindering identification of improvement areas



ITC Infotech Solution

ITC Infotech SPECTRUM solution was leveraged to monitor real-time plant performance and benchmark standardized KPIs on a global dashboard.

- Enable process standardization and integration, operation benchmarking for 45+ manufacturing plants by implementing IoT powered manufacturing data & analytics solution
- This NextGen solution helped to establish foundation for ongoing innovation and continuous improvement of manufacturing operations
- The solution leveraged plant performance KPI templates and plant specific needs were incorporated for operational KPIs
- Process control mechanism implemented to reduce errors in material supply, brand change management & equipment calibration leading to higher process compliance & better performance
- Real time asset visibility and interactive dashboard customized for various shop floor personas
- Connect legacy shop floor assets seamlessly and compatible with multiple communication standards like OPC-UA, MODBUS & Ethernet IP

Business Benefits



Improvement in OEE by 10-15% on account of reduction in unaccounted losses

15% reduction in internal waste and reduction in product integrity violations

Improvement in manpower productivity by 10% on account of NVA reduction and elimination of manual reporting tasks/roles

100% Compliance to regulatory standards

About ITC Infotech

ITC Infotech is a leading global technology services and solutions provider, led by Business and Technology Consulting. ITC Infotech provides business-friendly solutions to help clients succeed and be future-ready, by seamlessly bringing together digital expertise, strong industry specific alliances and deep domain expertise. The company provides technology solutions and services to enterprises across industries through a combination of traditional and newer business models, as a long-term sustainable partner.

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