



CASE STUDY

Cloud based
**Smart Manufacturing
Solution Architecture and
Global Deployment Definition**

Client

A leading American home appliances manufacturer



Business Challenge

Client wanted to embark on Industry 4.0 journey to drive business outcome leveraging a scalable, future-ready, and cloud-enabled reference architecture that can be deployed across 9+ plants

- ➔ Disparate manufacturing system used for plant operations coupled with varying manufacturing IT landscapes across plants
- ➔ Complex manufacturing landscape with multiple legacy systems leading to data silos
- ➔ Disintegrated architecture leading to gaps in data
- ➔ Absence of a single source of truth across enterprises and plants

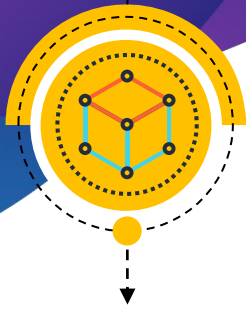


ITC Infotech Solution

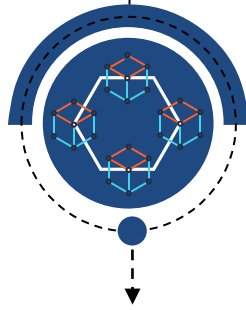
ITC Infotech anchored multiple workshops with IT and business leadership teams of the customer to understand their existing landscapes, vision, challenges & priorities and designed a customized Industry 4.0 architecture

- ➔ Leveraged ITC Infotech's Industry 4.0 reference architecture for Manufacturing Data and Analytics Platform on cloud
- ➔ Defined IIoT deployment playbook and implementation roadmap for solution realization across plants
- ➔ Solution definition was compliant with OT cybersecurity
- ➔ Definition of data strategy based on prioritized use cases to be implemented in edge and cloud for production, planning & scheduling asset, and quality functions

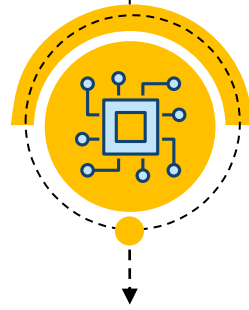
Business Benefits



Scalable architecture for seamless extensibility across 9+ plants & integration with enterprise systems



Site independent architecture to ensure greater computation at site and mitigate connectivity interruption to cloud



Data aggregation and classification for enterprise-level view, can be further drilled down to regional and plant level KPIs



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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