Building the IoT Practice of the Future

Overview

With the ever-increasing number of connected devices in the world, the Internet of Things (IoT) has not just the potential, but also the means to be a disruptive force. One that will completely alter the way business is done and customers are engaged with. Keeping this in mind, global enterprises need to realize the value of IoT, develop the requisite strategies to keep pace with this disruption, and also achieve operational efficiencies and enrich customer experience by harnessing its power.

Infosys believes that the ‘cyber-physical’ system is an intersection of ‘domain, engineering, and IT’. Being the IoT-ecosystem integrator with technology providers, domain-specific IP providers, and startups having innovative solutions, Infosys is the one-stop-shop for solution realization. Our multidisciplinary skills and cross-pollinated knowledge ensures that we offer services across the length and breadth of client-needs, within three segments:

- Enterprise IoT: For the industrial manufacturing segment, solutions focusing on monitoring, controlling, and optimizing asset-efficiencies across operational, maintenance, information, and energy efficiencies. The Infosys Asset Efficiency test bed has been approved by the Industrial Internet Consortium (IIC)
- Consumer IoT: Connected car, connected care, connected home, and safety solutions using wearables
- Smart-focus on large ecosystem impact: Smart cities, smart farms, smart energy, and smart retail solutions

IoT Service Offerings

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IoT Value Proposition

- An extensive domain expertise along with engineering knowledge, for demystifying the cyber-physical intersection and deriving meaningful information from the data
- An ecosystem integrator that simplifies the fragmented technology landscape
- Provides time-to-market advantage; proven solution components that address industry-specific use cases
- Technology consulting services that provide solutions for ‘retrofitting’ existing equipment to enable data acquisition and connectivity
Did you know – Infosys helped develop a real-time monitoring solution to predict stockouts, reduce breakdowns, and plug revenue-leaks for next-gen vending machines and coolers?

Challenge: A US-based Consumer Packaged Goods (CPG) vendor needed to develop a real-time monitoring solution to predict stockouts, reduce breakdowns, and plug revenue-leaks for next-gen vending machines and coolers integrated with image processing and social analytics.

Solutions
- Retrofit legacy vending machines to enable them with machine-to-machine (M2M)
- Azure-based platform for vending machine management and real-time analytics
- Analytics to derive sales information according to geography, flavor analytics, and their correlation with weather and sales across the regions

Benefits
- Smart Operations – With real-time stockout alerts and stock threshold alerts, the stockouts are reduced
- Intelligent Insights – Analytics for intelligent insights, with a social interface for deciding rollouts, and customer experience, for new flavors.

Did you know – For a large mining company, Infosys improved the availability of mining trucks by 20%, by deploying a predictive maintenance solution that reduced the unplanned downtime of the trucks?

Challenge: A global mining major needed real-time visibility across the mining value-chain – extraction, transportation, beneficiation, and processing.

Solutions
- Infosys enabled integration and interoperability between multiple manufacturing systems, historical data, and legacy systems
- Critical systems were moved to newer converters – without disruption to business continuity
- We established a more stable platform for the existing quality system for smelter operations

Results
- Improved day-to-day scheduling, resulting in increased efficiency and productivity
- Improved the availability of mining trucks by 20%
- Global roll-out of new key performance indicators (KPIs)
- KPI standardization across similar operations

For more information, contact askus@infosys.com

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