

Real-time Manufacturing Insights solution

Real-time operational visibility
from shop-floor to top-floor



ABOUT IoT WoRKS™

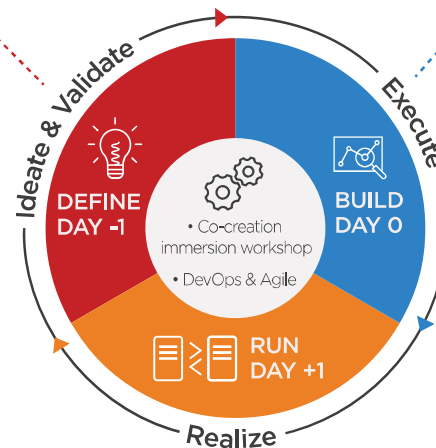
IoT WoRKS™ by HCL Technologies is a dedicated Internet of Things (IoT) business unit that enables organizations to experience IoT functioning and co-create transformation roadmap for innovations in context to their business. By enabling IoT-led transformation, these solutions maximize topline growth, capital productivity, cost efficiency, operational effectiveness, customer satisfaction, and return on asset investment.

Solving imminent challenges in the industry, our approach starts with connected **THINGS** and resulting in **DATA**-driven business insights, but does not end there. We are applying the insights generated seamlessly into changing meaningful business **PROCESSES** and **PEOPLE PRACTISES** generating real business outcomes. The beauty is in our agile, scalable, rapid-prototyping approach which drives the urgency of transformation to **NOW: from months to a few weeks.**

We have developed end-to-end IoT offerings for organizations across different IoT maturity levels

Plan your IoT program customized to your needs

- Identify business case (RoI) and business pain points that IoT can solve
- Industry insights and benchmark
- IoT roadmap in line with desired business outcomes
- POV plan/Technology roadmap
- User-centric business process transformation project plan



Implement your IoT program with secure ecosystem-based solutions

- IoTization - Device, gateway, connectivity, and security
- IoT Platform - Data storage, device management, data science, and workbench
- IoT applications and analytics
- Integration of IoT applications with rest of the IT landscape

Realize value from your IoT program with state-of-the-art IT/OT support services and analytics expertise

- Provisioning, measuring & monitoring
- Orchestrate IT/OT
- Platform Hosting and Micro-services
- High Performance Analytics and Insight-as-a-Service
- Uptime Assurance - 24x7 support



Real-time Operational Visibility from Shop-floor to Top-floor

Real-time Manufacturing Insights (RMI) Solution by IoT WoRKS™, gives manufacturing enterprises the ability to identify the root cause of production deficiencies, early warning signs of quality issues, or excessive unplanned downtime. RMI enables increased operation efficiencies through insight visualization from the shop floor to the top floor. In addition to the traditional elements of OEE, RMI provides actionable solutions to address the operational challenges that manufacturers have battled with since the first industrial revolution.

Using PTC platforms – “Thingworx” and “Kepware”, to deliver integrated reporting alerts, predictive and prescriptive recommendations, and cost impact modelling, RMI provides organizations with consistent and real-time capabilities to optimize and compete in today’s digital age.

Features

- ▶ Real-time monitoring of important KPIs
- ▶ Predictive maintenance for machine breakdown and line availability
- ▶ Role-based visualization from line supervisor to head of operations
- ▶ Cost analysis of various OEE losses
- ▶ Detailed reports and trend analysis
- ▶ Actionable recommendations to improve manufacturing productivity

Benefits

- ▶ Increased productivity of the plant
- ▶ Increased visibility into health of assets to all levels within the organization
- ▶ Reduced unplanned downtime and scrap
- ▶ Reduced inventory carrying costs and machine maintenance costs

WHEN YOU START WITH A TOP-RATED VALUE PROPOSITION, THE RATINGS FOLLOW



LEADER

Global IoT Services Wave for Connected Business Operations, Q4 2018

FORRESTER



LEADER

Worldwide IoT consulting & System Integration services 2016

IDC MARKETSCAPE



WINNER'S CIRCLE

2016 Blueprint Report on IoT

HfS



LEADER

Internet of Things (IoT) Services PEAK Matrix™ Assessment 2019, consecutively for 3rd year

EVEREST GROUP



LEADER

ISG Research Quadrant 2018 on IoT Services, Healthcare IoT, & Connected Cars for US Market

ISG



LEADER

Zinnov Zones 2017 - Global IoT Technology Services consecutively for 2nd year

ZINNOV



LEADER

Early Traction in Key Verticals for IoT WoRKS™ portfolio

451 Research



LEADER

Avasant Radar View on IoT Services 2019

AVASANT

OUR IPs AND ACCELERATORS



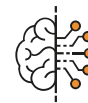
DDX

Accelerator for device IoT-ization



PANGEA

Data Analytics platform



IDEA GATEWAY

Reference Design for an intelligent device



PLATFORM ACCELERATION SUITE

Build next generation cloud services



iotworks@hcl.com



hcltech.com/IoT

