

Modern Higher Education Enterprise Cloud



Administration



Student





Information Technology



Adaptive Intelligent Apps



Internet of Things



Chatbots



🔅 Blockchain



Student Lifecycle Management



Human Capital Management



ERP and Planning & Budgeting

Secure, Connected Cloud Platform and Infrastructure



Storage & Compute



Social, Mobile & Integrations



Analytics & Big Data



Security & Management



ORACLE°

Internet of Things Applications

50

Billion devices by 2018

8

Zeta bytes of data today

\$3

Trillion market by 2020



IoT is at the top of the Hype Cycle

Our Goal: Make IoT Easy to Drive Business Outcomes

1 2

Yet, IoT is hard

- 1. Lack of clarity
- 2. Where do I start?
- 3. Ambiguous ROI

Business Outcomes

(Impact business processes through IoT data from connected assets)

Get Smart

(Predictive, machine learning algorithms)

1-2-3

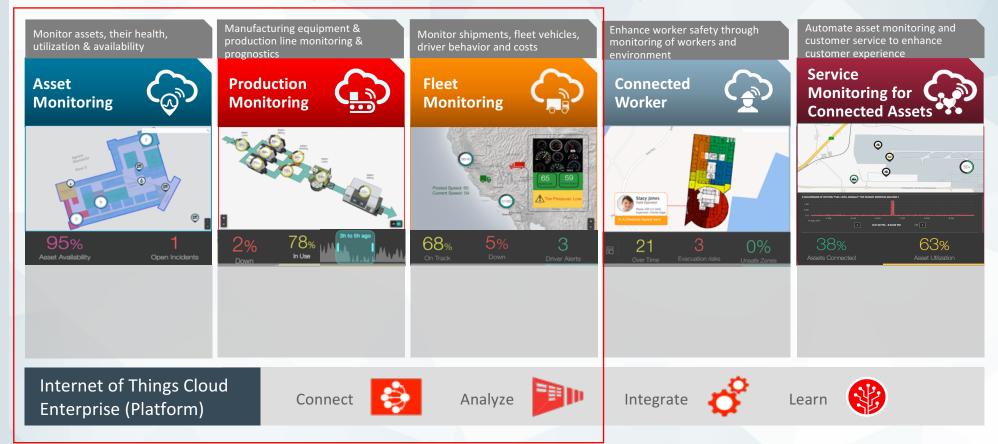
(Get there with simple steps)

Automate

(Integrate with business applications)



Oracle IoT Cloud Applications & Industry Solutions



Available



How do we extend Customer Experience applications to deliver a new value driven solution for our customers?

X-Industry

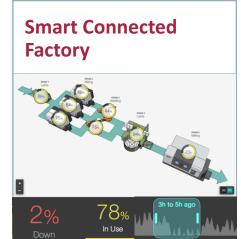
Digital Field Service & B2B

B2C: Service Cloud Field Service Cloud

B2B: Engagement Cloud Field Service Cloud

IoT Asset Monitoring

Industry X.0



Supply Chain Mgmt Cloud ERP Cloud

IoT Product Monitoring

X-Industry

Digital Fleet Management



Logistics: Logistics Cloud

Fleets: Service Cloud Field Service Cloud

IoT Fleet Monitoring

X-Industry

Digital Spaces Monetization

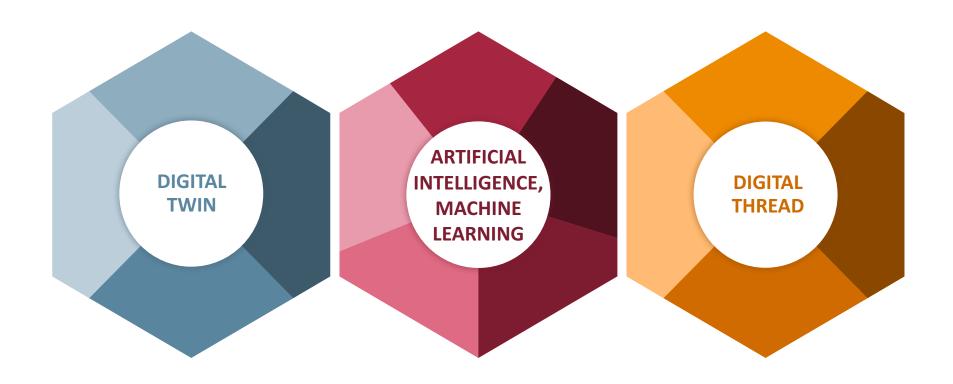


Marketing Cloud

IoT Cloud Mobility Cloud



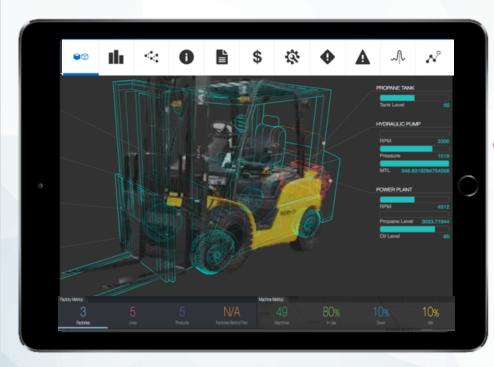
The Future of Applied IoT for Manufacturing





Digital Twin

Simplify Interaction with Physical Assets





Digital Twin: IoT made Simple

Visibility & Digital Interaction model



- KPIs
- Incidents
- Maintenance
- Financials

Business Context, Hierarchical, Relationships

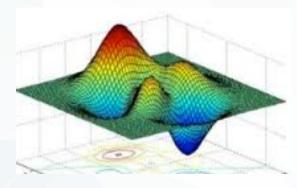
 View the asset in the context of the business processes, and relate it to other assets and hierarchies





Al & Machine Learning

Applied ML and Specialized Time-series Algorithms



Predictions Logistic regression
Symbolic Aggregate approximation
Support Vector Machine Random Forest
BAYESIAN NETWORK Correlation Analysis
Decision Tree Linear regression
Grubb's test Kernel Density Estimation



Operational Analytics

- Detect anomalies
- Predict failures



Specialized time series algorithms to analyze IoT data.



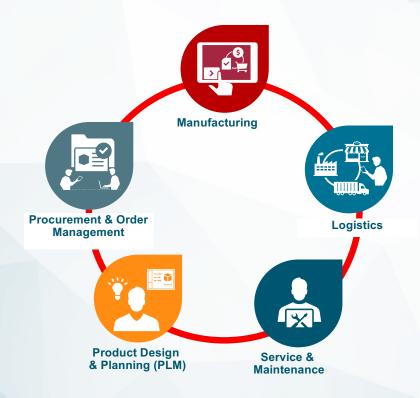
Automatic model creation and tuning



Predictive models using IoT data + Business data (Manufacturing, Maintenance, Service, Logistics, Warehouse, Financial, ERP data)



Digital Thread with Supply Chain Management





Interconnected supply chain with real time visibility

Design → Manufacturing → Logistics
 → Transportation → Service



Integrate Organization Silos

 IT and OT, Logistics and Finance, Production and Design



Transformative Business Models

 Product as a Service, Dynamic planning based on demand signals







Inefficiencies Plague Current Approaches

Manual

70%

Businesses rely on manual techniques to locate & track assets

#1

Reason for unplanned asset write-offs is inability to locate them

Reactive

25%

Of service calls require **repeat visits**

30%

Of customers demand more predictive and proactive services

Costly

76%

Of Field Service Orgs are struggling to achieve profitability

25%

Of total operating costs of a typical mfg company is for asset maintenance





Monitor



Remote Monitoring and Predictive Maintenance

Increase Equipment Uptime

Resolve



Remote Issue Resolution

Reduce Cost of Service

Optimize



Optimized Dispatch

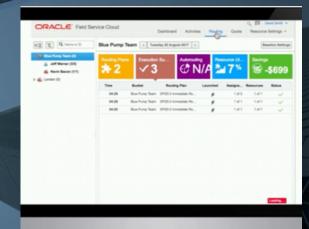
Improve First Time Fix Rate



Digital Field Service: Demonstration



THE OPEN CONTROL TO THE DESCRIPTION OF THE DESCRIPT



Real-Time Predictive
Analytics with integration to
Service Cloud & IoT Asset
Monitoring

Asset Simulator
Digital Twin of Connected Asset

Oracle Field Service Cloud



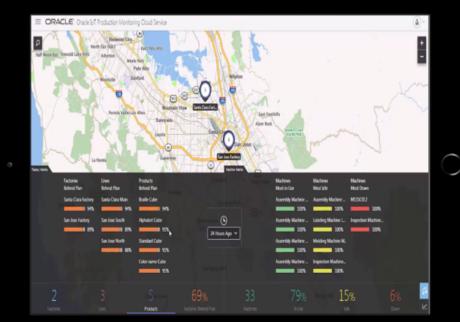


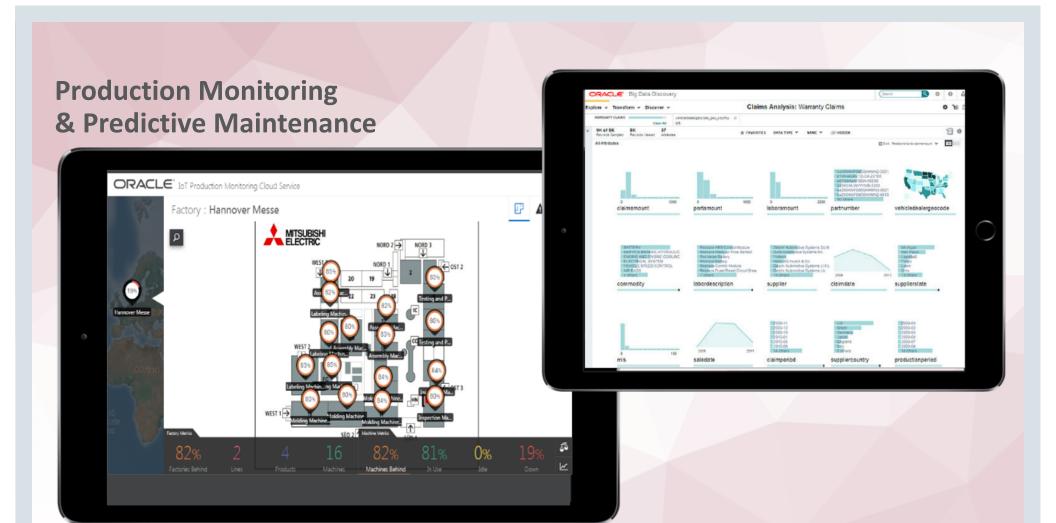


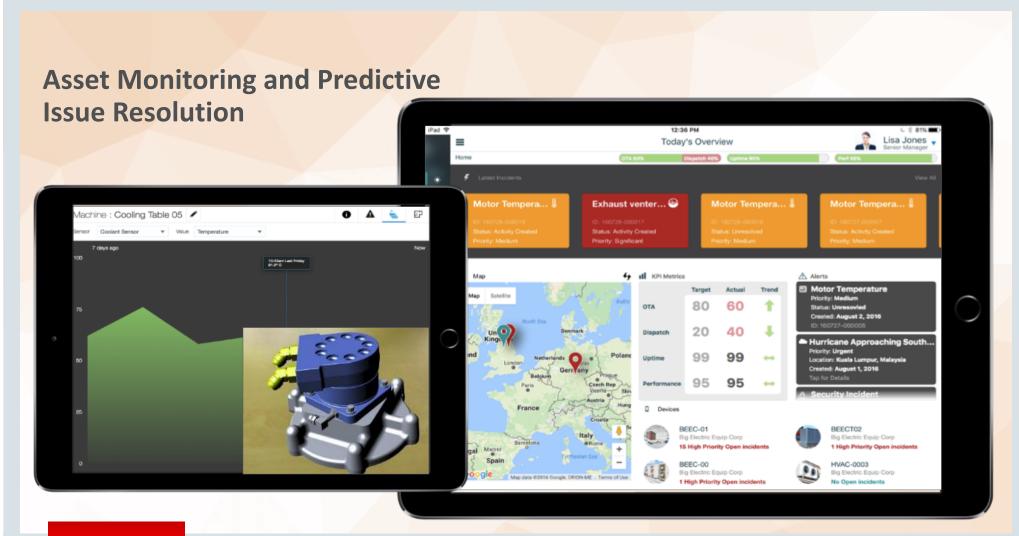




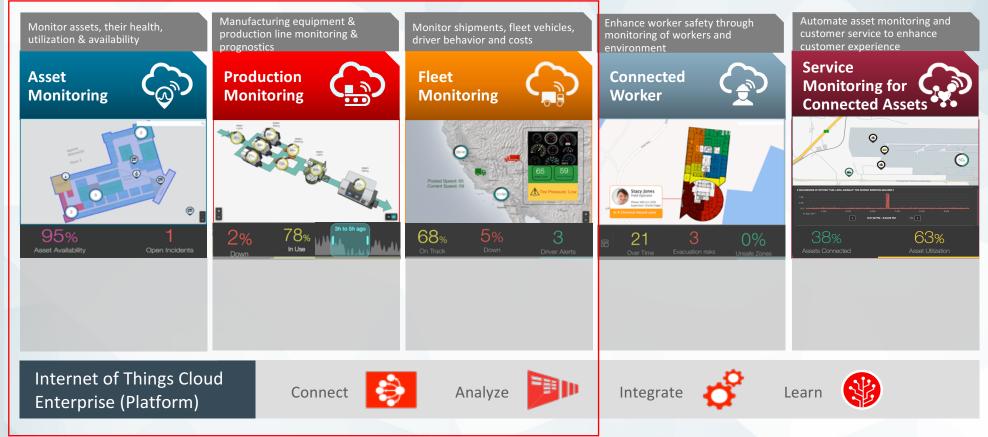








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