

## Connected Goods Accelerator

### Function:

Warehouse Management

### Processes:

Inventory Management, Quality

### Industry:

Consumer & Industrial Products, Technology, Media & Telecommunications

### Business Driver

#### Warehouse Managers are seeing a need for

- Continually adapting their supply chains to respond to customer and vendor behaviors
- Visibility to more granular, real-time information
- Ability to anticipate disruptions rather than respond to them
- Incorporating customer behaviors, environmental conditions and disruption events directly

### Solutions Overview

Deloitte's use case of "Live Enterprise – Connected Goods", built on top of SAP® Leonardo, provides a holistic solution for management of finished goods and decision support for the optimization of in-field and in-house inventory, anomaly detection, asset performance and disruption event prediction. Using SAP Connected Goods companies will be able to track these assets in real-time as well as monitor location over time

### Features

#### Connect vending assets and inventory sensors to the digital core

Apply deep analytics capabilities via sensors available on in-field and in-house inventory

#### Protect product quality by monitoring environmental conditions throughout the life of a finished good

Generate actionable insights from in-field vending machines and smart inventory to SAP S/4HANA® Digital Core and through to IBP Demand Management for pro-active action

#### Predictive Analytics

- Anticipate environmental and event based disruptions
- Monitor vending asset performance
- Distance based analysis

#### Scalable, high performance and open platform

Integration with SAP® IQ for cost-effective data storage

### Potential Benefits

- Improve vending asset utilization through visibility to machine uptime and disruptions
- Monitor and prevent demand cannibalization with geospatial sales insights.
- Reduce product spoilage and quality related returns on shelf-life and environmentally sensitive goods
- Increase sales through better customer aligned product offerings achieved by optimized product mix and reduce product stock outs



#### IoT

- Connected Sensors/Telemetry
- Historian Integration
- Real-time streaming & Big Data storage



#### Machine Learning

- Real-time data scoring
- Predictive Modeling of customer demands



#### Analytics

- Geographical Dashboards
- Asset Performance Scoring
- History and Trend Analysis
- Event Detection and Monitoring



#### Core SAP

- Inventory Management
- Quality Management

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