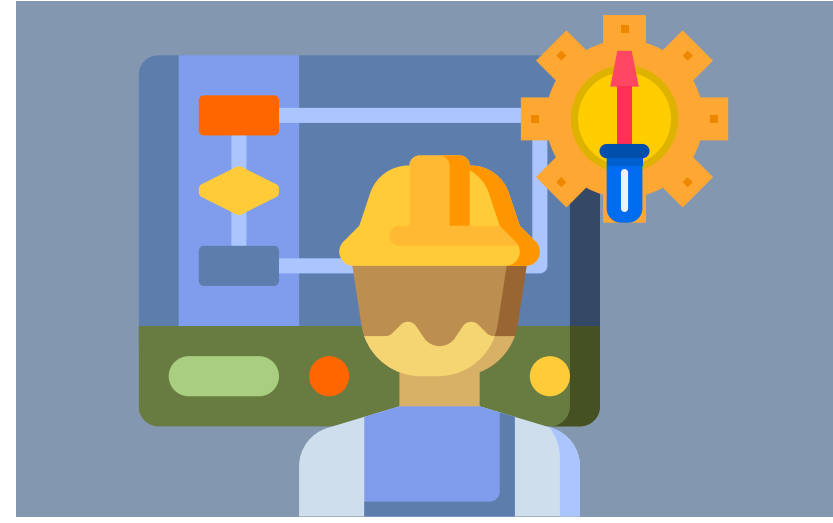
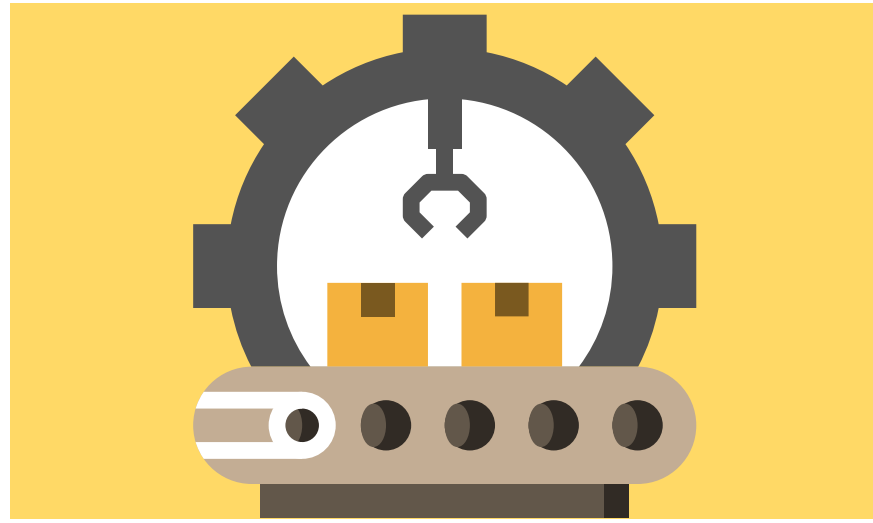
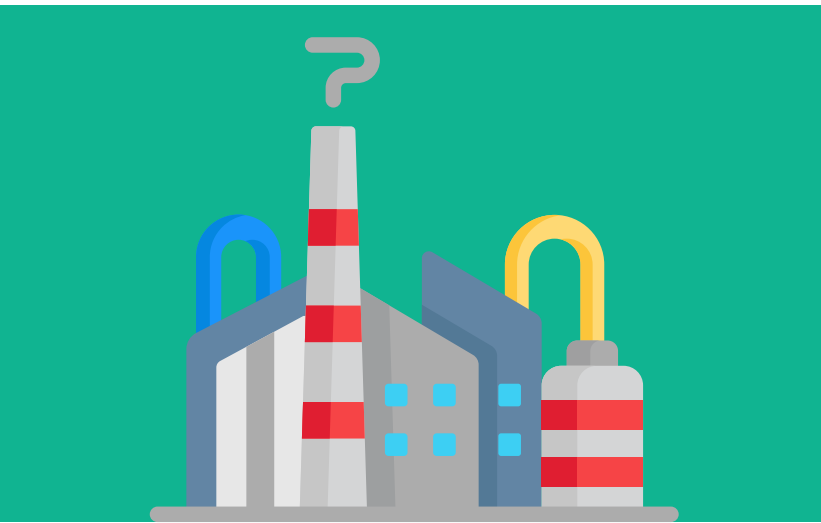




Connected Operations Platform

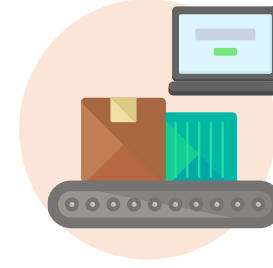
Websym

Industry 4.0 Imperatives

Manufacturing organizations today have to balance management of increasing complex of manufacturing operations and supply chains with the need to continuously improve efficiencies and reduce operational losses. Outsourced manufacturing adds additional product quality and compliance risks that have to be proactively monitored for mitigation.



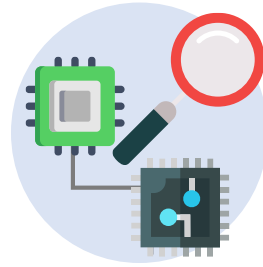
Improve data accuracy and authenticity



Digitize shop floor operations



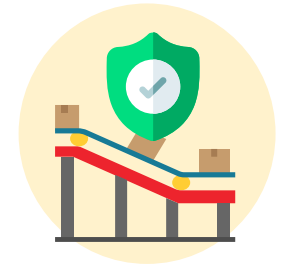
Improve operational efficiency through real time intervention



Heterogenous shop floor environments make data acquisition challenging



Enforce compliance with processes



Improve operational safety



Get visibility into the supply chain



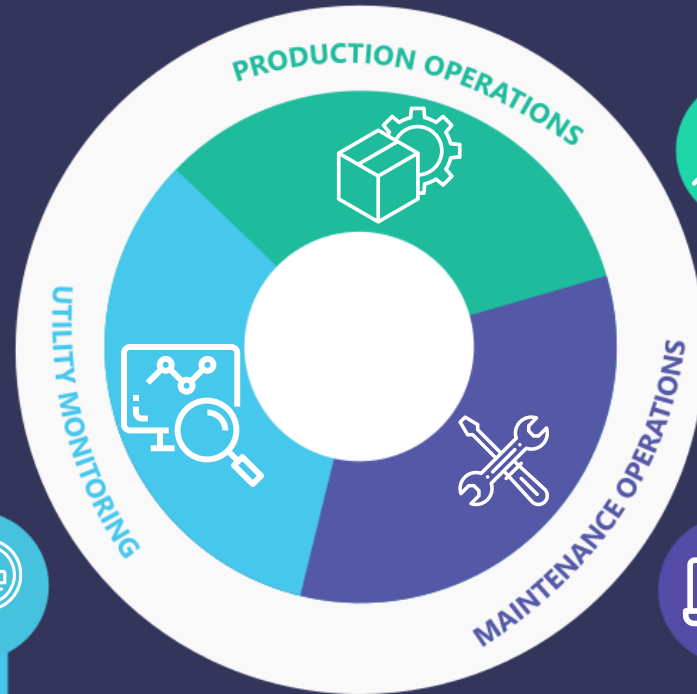
Generate insights for continuous improvement initiatives



Get 360 view of operations across plants

FaktoryWize

Connected Operations Platform



- > Supports heterogenous shop floor environments
- > Supports discrete & continuous process scenarios
- > Support multi-plant, multi country deployments



- > Energy Monitoring
- > Compressed Air pipelines
- > Steam flow
- > Fuel & Gas distribution



- > Real time integration with Production Monitoring



Production Operations

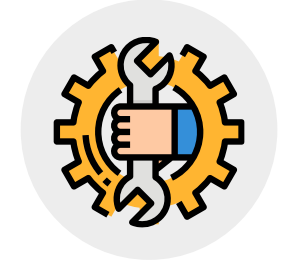
FaktoryWize helps manufacturing organizations increase margins, improve operational transparency and reduce compliance risks. This is achieved by real time process monitoring, identification of process inefficiencies and downtime analysis using real time data acquired from the shop floor.



Configurable platform



Real time visibility into operations



Automated calculation of TPM losses



Downtime analysis



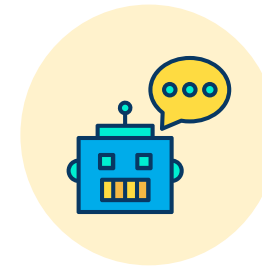
Automated SPC reports



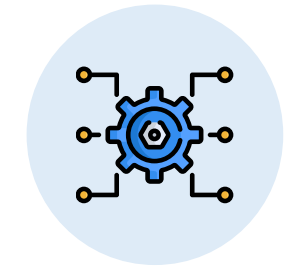
Shop and plant dashboards



Real time alerts and notifications



AI/Chat bot extensions



Integration with ERP and SCM systems

Maintenance Operations

FaktoryWize helps manufacturing organizations reduce maintenance costs, improve equipment runtime and reduce compliance risks. This is achieved by real time acquisition and monitoring of equipment operating parameters, downtime analysis and predictive algorithms.



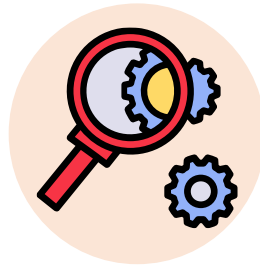
Automated generation
of work orders



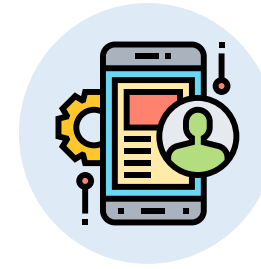
Condition based
monitoring



Preventive & Autonomous
maintenance schedules



Predictive
maintenance models



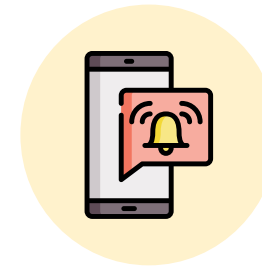
Technician
mobile app



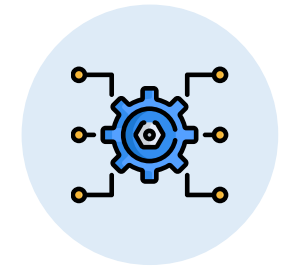
Technician performance
measurement



Real time tracking of
work orders



Rules based alerts
and notifications



Integration
with ERP

Utility Monitoring

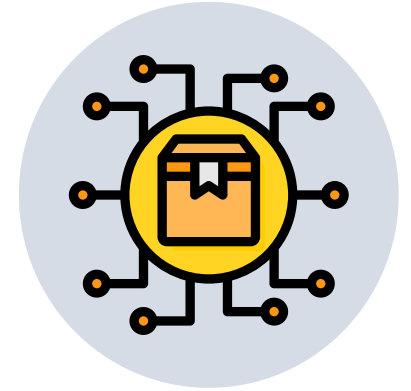
FaktoryWize uses real time generation and consumption data to optimize the usage of compressed air, gas and fuel distribution systems. Consumption can be tracked at a division/shop or machine level to provide an accurate basis for usage based accounting and identify transmission losses and provide insights for cost reduction.



Real time usage reports



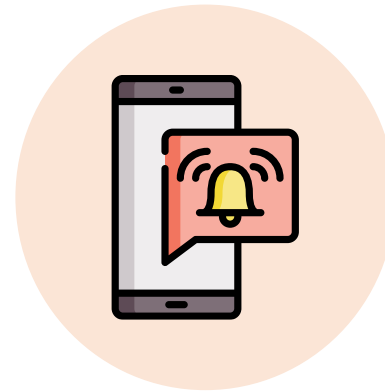
Supply side and consumption side analytics



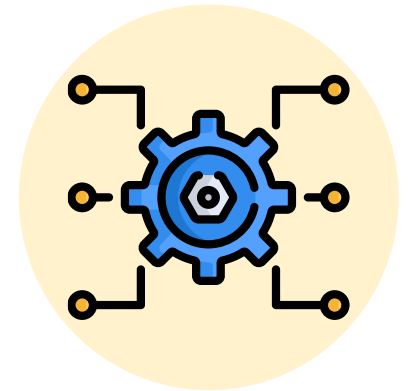
Identification of leakages in distribution



Usage based cost accounting

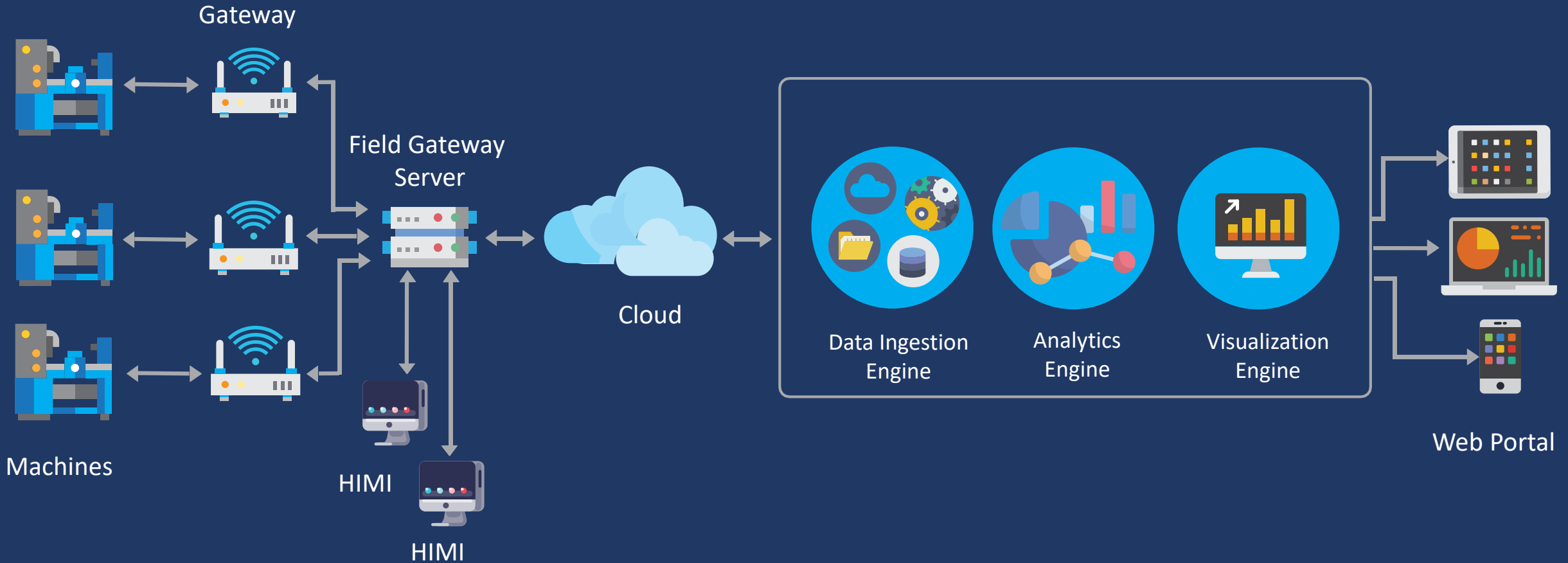


Rules based alerts and notifications

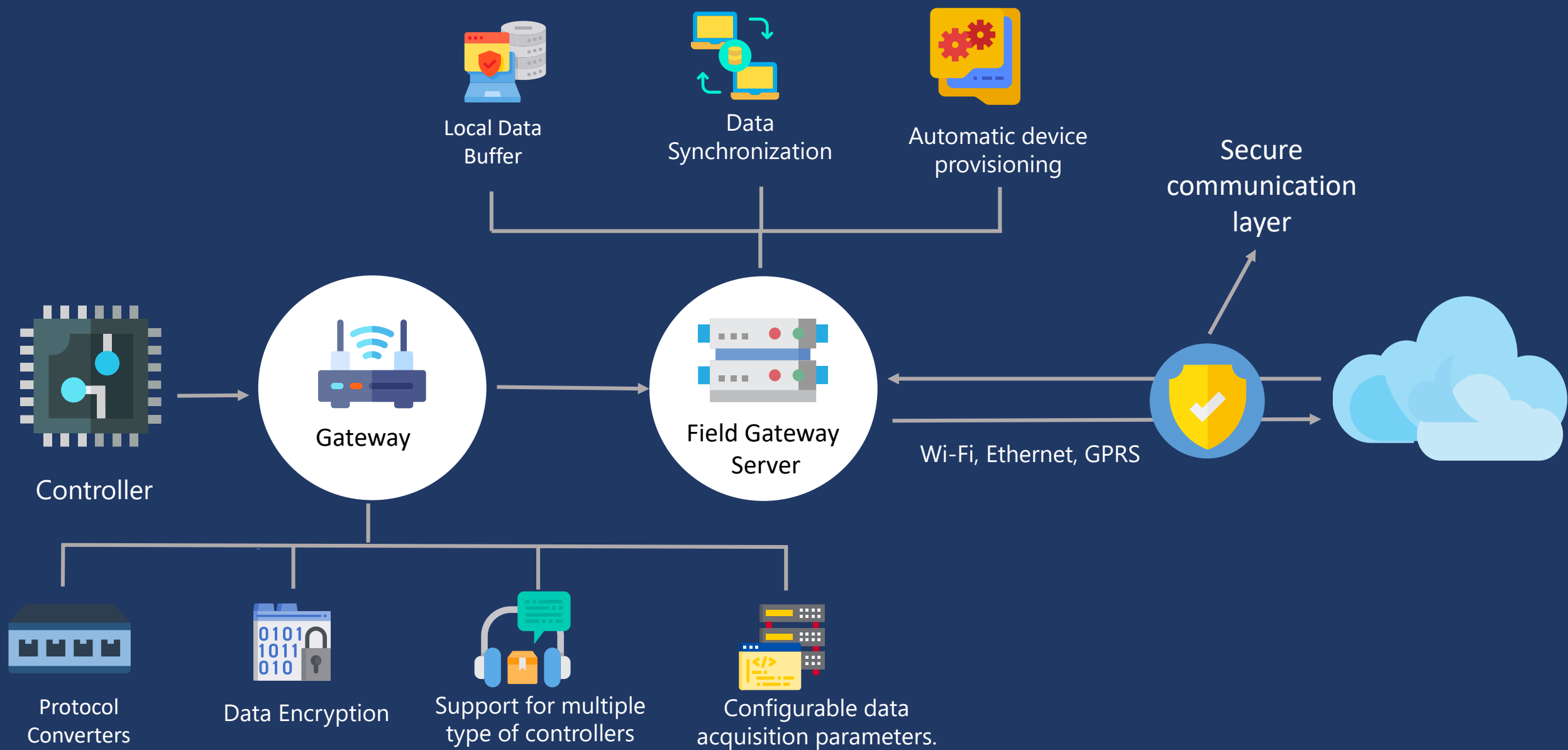


Integration with ERP system

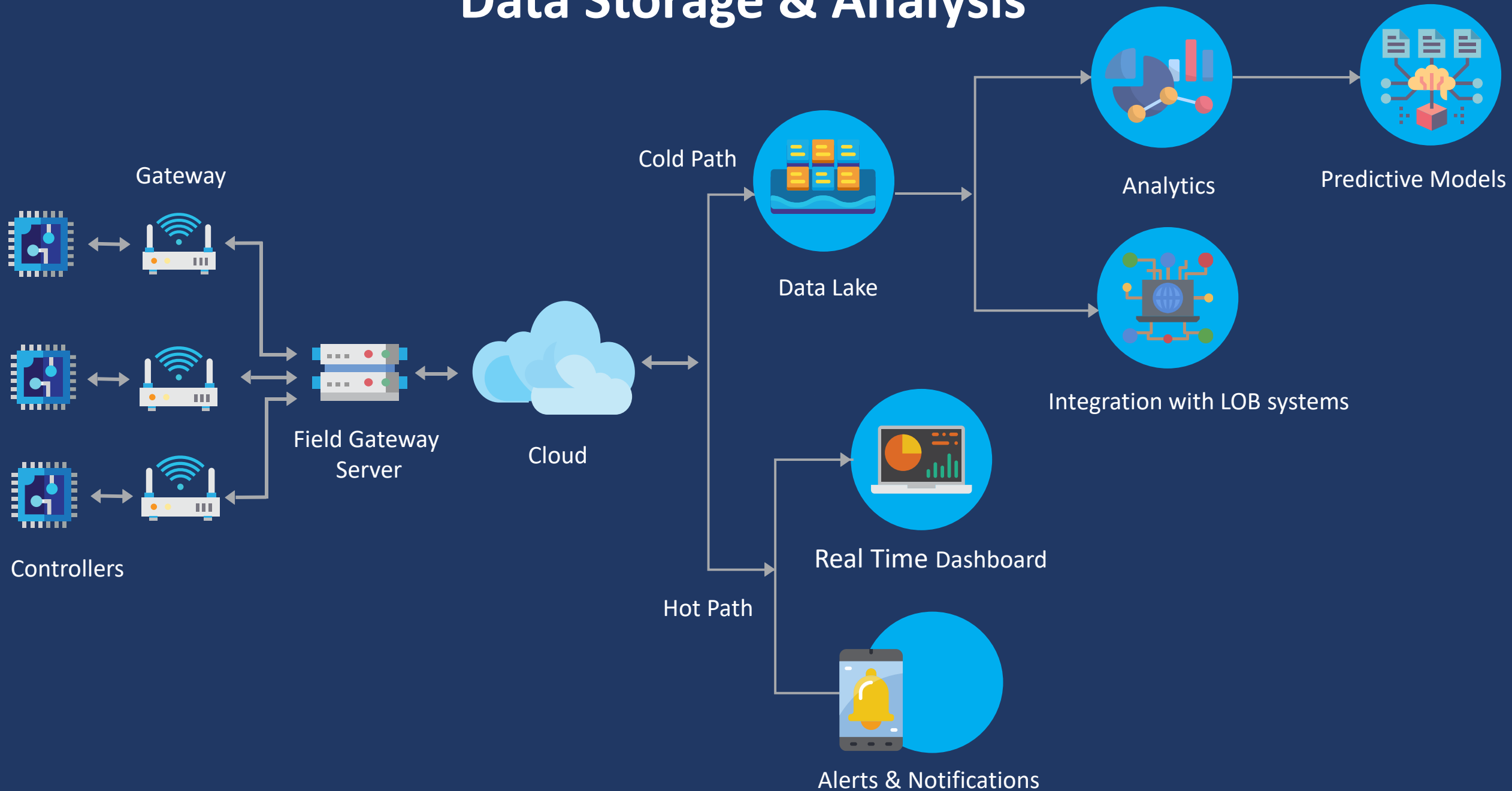
Functional Architecture



Data Acquisition & Injection



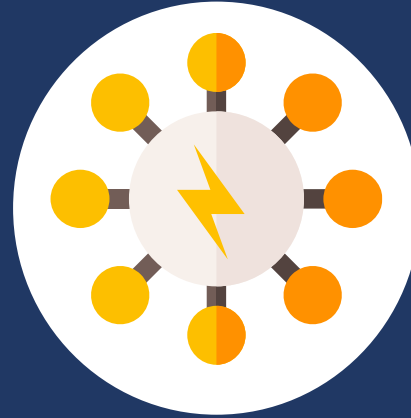
Data Storage & Analysis



Solution Differentiators



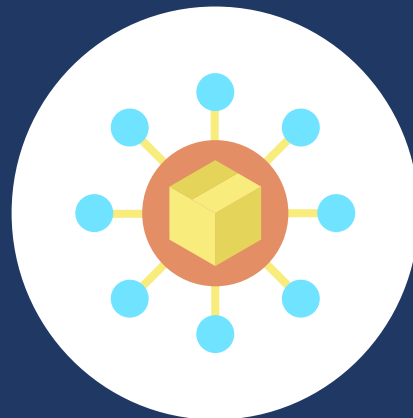
Quick Deployment



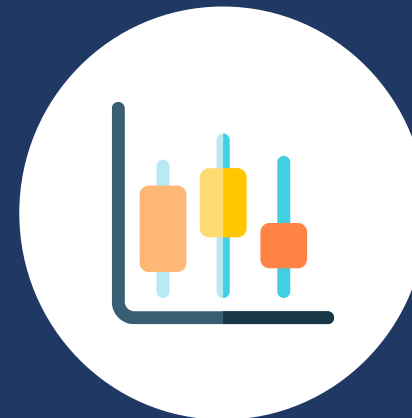
Zero disruptions to current operations



Operational ease of use



Vendor agnostic solution



Solutions designed for targeted industry verticals

Partner Ecosystem

Websym has built strategic partnerships with Hardware partners, Cloud & Platform vendors and several System Integration partners who assist in solution deployment for customers in various geographies

Partners



Representative Customers



- 2% efficiency improvement within 12 months of implementation.
- 40% lower costs as compared with a traditional MES implementation



- 70% reduction in unaccounted fuel usage.
- 25% reduction in vehicle storage manpower.
- 90% improvement in vendor invoicing accuracy for vehicle transport operations

Amphenol

- 100% visibility into Tier 1 suppliers operations
- 10% improvement in CNC machines utilization at supplier plants



- Only FCA plant in APAC to achieve Silver certification in WCM process maturity
- 10% reduction in assembly errors due to digital SOP displays
- 90% reduction in data reporting errors



15% reduction in effort for tracking WIP within plants
100% visibility into plant operations



Genealogy data captured for 23 critical sub assemblies without reduction in TAKT time.



- Real time view across multiple manufacturing plants.
- Performance benchmarking across plants to improve operational efficiency



Challenge

Piramal Glass wanted to get real time visibility into plant operations in order to get insights on lines efficiencies and losses.



Strategy

Install and acquire data from sensors on production lines using Azure IOT Hub to measure losses at each stage and determine line efficiencies in real time.



Results

- Significantly improved line efficiency.
- Loss stratification provides insights on improvement initiatives.
- 40% lower cost as compared to a glass industry MES

FCA India becomes the first FCA plant in APAC improves manufacturing competitiveness for its Power Train division by improving operational efficiency through real time monitoring using the Plant Monitoring System.



Challenge

FCA India wanted to monitor and reduce operational losses in its power train division.



Strategy

Acquire and push data from CNC machine lines via the Azure IOT Hub to monitor line disruptions in real time and provide alerts to avoid operational losses.



Results

- Significant improvement in operational efficiency of the power train lines.
- First FCA plant to achieve Silver certification level for WCM practices in Asia.



Challenge

Amphenol wanted to enable complete visibility on vendor operations to ensure optimal utilization of their CNC machines provided to vendors.



Strategy

Acquire and push operations data in real time from machines using gateways connected to the Azure IOT Hub to generate production metrics.



Results

- Reduction in manpower required to monitor vendor operations.
- Improved utilization of CNC machines deployed at vendor premises.



Bajaj Auto significantly reduces unaccounted fuel consumption in its assembly lines by using the Fuel Monitoring system to track unauthorized usage in real time and enforce fuel dispensing rules.



Challenge

Bajaj Auto wanted to monitor fuel consumption in its assembly lines to avoid losses due to unauthorized usage.



Strategy

Collect fuel consumption data from dispensers on the assembly line in real time using Azure IOT Hub & generate alerts in case of recorded usage deviations.



Results

- Significantly reduced fuel consumption through real time monitoring and prevention of unauthorized usage.
- Improved ability to predict fuel consumption based on past consumption patterns.

Bajaj Auto gains considerable cost savings by using GPS enabled dispatch and tracking system for inter store transport of vehicles.



Challenge

Bajaj Auto wanted to reduce costs associated with transport of finished goods between its store locations and ensure dispatch of vehicles in FIFO order.



Strategy

Geo fence store locations, assign store locations and track vehicle dispatches via real time GPS feeds to ensure dispatch accuracy and minimize manpower needs.



Results

- 25% reduction in manpower requirements for vehicle transport.
- Invoicing accuracy improved by more than 90%.
- FIFO dispatch errors reduced by more than 90%.



Challenge

Finolex Cables wanted to have real time visibility into shop floor operations to enable shop personnel identify inefficiencies and improve productivity.



Strategy

Acquire data in real time from extrusion lines to identify losses and provide insights on avenues for productivity improvement.



Results

- Productivity improvement by 5% over a period of 12 months.
- Direct data ingestion into SAP reduced manpower requirements for data entry and improved data accuracy.



The world's largest 2 wheeler manufacturer achieves complete traceability of components through the FaktoryWize genealogy solution to meet Indian statutory regulations.



Challenge

Hero Motocorp wanted to comply with Indian statutory regulations that require vehicle genealogy data to be maintained for 10 years to facilitate vehicle recalls.



Strategy

Scan vehicle component bar code data on the assembly line using scanners connected to the Azure IOT Hub and maintain genealogy data in a centralized store on Azure .



Results

- Compliance with statutory regulations in a short period of time in an extremely cost effective manner.
- Negligible impact on assembly line TAKT time.

The logo for Web sym, with 'Web' in red and 'sym' in black, is centered within a white diamond shape. The background of the entire image is a low-angle, upward-looking view of several modern glass skyscrapers against a blue sky with scattered white clouds.

Web sym



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