Bosch Trac360Logi

Logistics tracking solution with condition monitoring

Agenda

1. The Bosch Trac360 Platform

2. Optimizing a supply chain starts with visibility

3. Lack of visibility magnifies issues

4. Smartly track shipments with Bosch Trac360Logi

5. Precisely tracking over 30000 trips

6. Harnessing Azures services to enable granular tracking

Bosch Trac360 Platform

Bosch Trac360 is a purpose built IoT platform to enable customers to track and smartly manage products, assets or shipment in real-time, using integrated technologies. The Bosch Trac360 platform offers cross domain, comprehensive IoT applications specifically designed to meet today's critical need of visibility & traceability, reduced risks and optimized costs.

Logistics	Store Asset Monitor	Indoor Asset Tracking

customized IoT solutions across industries with use case templates with proven results

Trac360 Platform

Ready to use IoT platform build using Microsoft Azure cloud infrastructure and components

Devices & Connectivity Components

Hardware, sensors and connectivity layer

Optimizing a supply chain starts with visibility

$6.5B

Cold Chain Monitoring Market worth by 2023with a growing CAGR of 11.17%[1]

69%

Best–in-class businesses have on-line visibility into in-transit shipment status[2]

60%

Best–in-class businesses have end-to-end supply chain data, process, and distribution visibility for decision making[3]

Lack of visibility magnifies issues

Delays in delivery of shipment

Delays can affect the value chain by producing condition related issues, or by reducing the shelf life of a product due to long in-transit durations

Condition monitoring in transit

A top issue in cold chain logistics is temperature variance, which affects the quality and safety of perishable products.
As for multiple delivery destinations, continued refrigerated unit set is indispensable, and challenging to document condition parameters in real time

Lack of end-to-end visibility

When freight is arriving at a warehouse, distribution center, or customer site, it can be challenging to track where the shipment is, discern what goods are arriving, their condition, treatment during shipment, predict their delivery, and provenance.

Bosch Trac360Logi enables customers to track the carrier and the shipment in real-time, using integrated technologies

Trac360
Right Parts, Right Quantity at the Right Time

Provides comprehensive visibility and transparency in transit

Real time traceability and condition monitoring of goods and carriers

Integrates with IoT, and enterprise systems

End-to-end connected supply chain

Transparency in transit

Produces real-time "digital travel diary" of shipments, freight carriers, and other details

Real time product and fleet traceability

Uses a breadth of technologies to continually track products, carriers and documentation

Route Optimization

Route planning based on orders and delivery location & time of delivery

Digitally powered logistics operations

Automates warehouse operations using numerous technologies, along with IoT sensors to for condition monitoring of goods and vehicles

Integrated systems

Offers a one-stop portal that integrates multiple sources of the value chain and business intelligence, improving planning and warehouse productivity

Provides comprehensive visibility and transparency in transit

Enables end-to-end situational awareness by labeling and tracking shipments and associated carriers from factory through delivery to end-customers

Improves traceability by using, IoT enabled sensors, to monitor, map, and track carriers and their contents

Correlates contents of containers with range of data systems (factory, warehouse, logistics, etc.) along with customer relationship systems to optimize visibility

Complements geofencing by triggering alerts when freight carriers arrive and leave numerous touchpoints

By monitoring and recording relevant parameters such as temperature, humidity, tilt, and shocks, the Bosch TDL makes the delivery process transparent and ensures quality.

Real time traceability and condition monitoring of goods and carriers

Optimizes efficiencies by track live location, condition, and spoilage of condition-sensitive cargo or products across any carriers

Real time monitoring of sensitive threshold parameters to ensure quality standards of shipment is maintained throughout its journey

Alerts and notifications on condition of shipment, route deviations, unplanned stops or unforeseen issues that require attention.

Optimize and manage product safety across the global cold chain while ensuring regulatory compliance and preventing contaminated products resulting in waste and recalls

Real-time monitoring allows manufacturers to serve their clients 'on-time in full' ensuring positive customer experience

IoT and enterprise integration

Provides an integrated, cloud-based dashboard that aggregates data from multiple disparate systems to improve real-time insights and decision-making

Presents a "single-pane" that displays shelf life management, goods in-transit, fleet performance, live notifications, etc.

Integrates enterprise resource planning, customer-relationship management, and manufacturing system, increasing efficiencies

Offers field service integration to monitor fleet performance and triggers alerts when issues are detected

Integrated view arms businesses with insights that aid in identifying inefficiencies within the logistics and mitigate root causes.

Harnessing Azure services

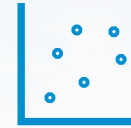Enabling granular tracking of goods, carriers, and condition across the cold chain

Integration to speed data into cloud

Storage to scale without latency

Visualizations to surface insights

Analytics to predict and plan

Security to protect data

Precisely tracking over 30000 trips

Customers: Automotive OEMs

Bosch TraVis – Transport Visualization System was developed to solve the challenges of distributing parts from Bosch plants in India to local distributors and automotive OEMs. There were numerous third party logistics providers. It digitized the dispatch and shipment process, efficient planning of trips and routes and tracking shipment through GPS and getting notifications on key milestone deliveries. Digitized proof of delivery enabling faster processing of logistics' settlements.

IMPROVED SATISFACTION
Over the course of 1 year, achieved 100% accuracy of delivering the right parts and right qualities at the right time

INCREASED TRANSPARENCY
Precisely tracked production and delivery of over 30000 trips and over 150 trucks

INCREASED COMMUNICATION
Digitally informs customers and logistic planners of the location and status of parts in real-time

IMPROVED EFFECIENCY
Seamlessly integrated multiple systems, invoices, receipts, payments, and processes, improving supply chain efficiencies

Ready to increase the product and shipment traceability of your supply chain?

→ We will connect you with the Bosch Trac360 sales team:
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→ Learn more:
bosch-india-software.com

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