

Connected Vehicles enabled by TIBCO



Connected trucks are IoT enabled smart trucks which collect large streams of data. Analytics performed on that data enables trucking companies to improve their fleet performance, driver safety, and shipment visibility. We have used Tibco Streambase, Live View, and BW to build this solution for trucking companies.



Solution Offerings

Fleet

Operations

- ▶ Route Optimization
- ▶ Fleet Tracking

Maintenance

- ▶ Vehicle Health
- ▶ Predictive
- ▶ Maintenance

Capacity

- ▶ Load Capacity

Alerts

Driver

Health & Safety

- ▶ Location Tracking

Performance

- ▶ Reports/Dashboard
- ▶ Ranking

Alerts

Shipment

Visibility

- ▶ Real-time Visibility
- ▶ Alerts

Visualization

Dashboards
Reporting

Security

Encryption
Complete Monitoring

Real-time Analytics

Live Data Streaming

Predictive

Vehicle Health
Maintenance

Data Quality

Quantity Relevance
Duplication



Solution Benefits

Reduction in travel



Increase in fleet utilization



Reduction in average speed during unsafe driving conditions



Reduction in unnecessary vehicle idling

Case Study – A Large Postal and Courier Services Provider in UK

HCL has helped the customer built a complete solution to track and manage the courier and postal services. Customer was looking for automating their entire Pre-Advice system. Their Business Objective was to leverage the predicted increase in online retailing to boost their business.

The Key **Business Challenges** faced by the customer,

- Only 20% of the parcels traffic was tracked and there was little visibility of traffic as it moves through the pipeline
- Lack of technology capability to easily optimize parcel routes and drive efficiencies
- Innovating by building new attributes which customers want is too slow and costly
- Growth of existing tracking platform is constrained by the age and the size of systems
- Poor management information for both the company and its customers

Solution

- Introduce ability to gain commercial advantage by tracking all parcels
- Implement Parcel System core infrastructure
- Ensure that sufficient technical capacity exists to support growth in Tracked
- Introduce In-flight delivery services and doorstep collections
- Increase first-time delivery rate & Visibility of parcel location
- Improve quality of service & Reduce billing enquiry
- New flexible Rating capabilities & Improve customer relationships
- Introduce flexible range of products and services
- Flexible product configuration and functionality
- Enhanced Fraud detection
- Integrated Rating, Billing Surcharging
- First and Final mile optimization
- Integrate the new Parcels System with Route Planning capabilities.
- Fixed and Dynamic Route during business preparation
- Allocation of parcels to manifests to support detailed tracked, recalculations of routes based on in-flight diversions and detection of delivery affecting events through Proactive Monitoring

Business Benefits

- Increased share of track-enabled parcels from 20% to 100%
- Improved “Right First Time” parcel delivery level to 99%
- Efficient pipeline management through enhanced visibility
- Increase in revenue by preventing revenue leakage
- Enhanced customer experience through real time parcel status and tracking information to customers
- Robust and Scalable platform supporting very high transaction volumes
- Auto-generated alerts to identify operational failures in parcel shipment lifecycle

BE-105241703346-EN00GL

HCL

HCL Technologies (HCL) empowers global enterprises with technology for the next decade today. HCL's Mode 1-2-3 strategy through its deep-domain industry expertise, customer-centricity and entrepreneurial culture of ideapreneurship™ enables businesses transform into next-gen enterprises.

HCL offers its services and products through three business units - IT and Business Services (ITBS), Engineering and R&D Services (ERS) and Products & Platforms (P&P). ITBS enables global enterprises to transform their businesses through offerings in areas of Applications, Infrastructure, Digital Process Operations and next generational digital transformation solutions. ERS offers engineering services and solutions in all aspects of product development and platform engineering while under P&P, HCL provides modernized software products to global clients for their technology and industry specific requirements. Through its cutting-edge co-innovation labs, global delivery capabilities and broad global network, HCL delivers holistic services in various industry verticals, categorized under Financial Services, Manufacturing, Technology & Services, Telecom & Media, Retail & CPG, Life Sciences & Healthcare and Public Services.

As a leading global technology company, HCL takes pride in its diversity, social responsibility, sustainability and education initiatives. As of 12 months ended June 30, 2020, HCL has a consolidated revenue of US \$ 9.93 billion and its 150,287 ideapreneurs operate out of 49 countries. For more information, visit <https://www.hcltech.com>



www.hcltech.com