

Fleet Management Solutions through Telematics, IOT, Track & Trace, Mobility for a leading fleet solutions provider

About the client

The client develops and commercializes high-end fleet management solutions for the transport and logistics sector. Years of experience, R&D efforts, and an intensive focus on customer experience has made it a leading player in its sector. It is active throughout Europe.

Business need:

The client was building a system for fleet management for logistics companies. There are a wide range of telematics IoT devices through customer tracks (real-time information) such as vehicle information, driver information, and transport information for its clientele.

Key business needs of the client can be summarized as below:

- Need for application/applications to enable accurate and real-time views for clientele (logistics companies) to track vehicles, drivers, and other critical logistics parameters
- Ability to publish real-time updates back to vehicles
- Compliance with regulatory body rules in tracking vehicle diagnostics and driver behaviour
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- Usage of trending IoT and sensor technologies for quick transfer of data
- Need for a cost-effective alternative for on-board computers where OBC cannot be deployed
- Solution to remote troubleshoot and perform upgrades on OBC
- Need for a decision-making platform to crunch telematics data captured from different devices

Solutions Offered:

- Pushing real-time updates to vehicles within a fraction of seconds using latest push technologies
- IoT enabled applications for capturing real-time sensors information
- Web and Windows Applications for:
 - Tracking and maintenance of engine diagnostics, real-time status/position, driver working hours as per the country regulations
 - Planning creation and sending to vehicles, displaying historical routes on maps
 - Sending and receiving messages to/from vehicles
 - Alarms, displaying real-time overview of vehicles, creating and sending routes to vehicles, driving behavior including speeding, over RPM, hard deceleration/acceleration, idle engine alarm and geo-fencing alarm, fuel consumption, mileage calculation
 - Real time and historical location of vehicles and vehicle status including low voltage alarm, high engine temperature alarm, engine fault code recording
- Remote options:
 - To change device/customer settings such as enabling and disabling particular features
 - To view log information of the devices for troubleshooting through responsive applications
 - Firmware update using restful services
- Mobile apps:
 - To capture data where OBC cannot reach and later synch with OBC/remote application
 - As an alternative for OBC where OBC is not cost effective
- Easy integration with other fleet management systems or host systems through web services
- BI platform to provide dashboards to focused groups

Business Impact

- Enhanced time-to-market
- Increased customer satisfaction with better maintenance and control on device from remote location
- Enhanced business with an array of options available to integrate and use
- Competitive pricing, pay-per-module pricing model
- Advanced IoT platform that is configurable and adaptable to new devices or sensors