

# Consumer Vehicle Accessories Solution for Leading Semiconductor Company



## BUSINESS REQUIREMENTS



Cloud based Telematics Platform Development for the use cases of Pay As you Drive Insurance, Fuel Pilferage, Geofencing and Eco Drive



Telematics hardware device development



Telematics Android app development



## OUR SOLUTIONS



Complete ownership of Cloud Platform development



Provide consultation for hardware design considering the implementation of the ECU logic and device side algorithms



Development of embedded software for telematics



## TOOLS/ TECHNOLOGIES



Hardware Design Intel QUARK based board design, HE190 Telit modem



Server Implementation Java, MongoDB based implementation



Device Software C, Lua



## BUSINESS IMPACT



Defining critical algorithms for use cases like - Eco Driver Assist, Fuel Monitoring, Insurance Telematics, Geo Fencing resulted in a differentiated product



Considerable improvement in battery performance and memory needs of the algorithms running on the device side resulted in a superior quality product



Architecture and design of the big data platform enabled scalability and performance for the cloud platform

### SOLUTION OVERVIEW

#### Smartphone App



#### Features

- Eco Driving
- Geo Fencing
- Fuel Monitoring
- Vehicle Tracking

#### End User Value

- Save on fuel cost, safer driving habits
- Enhanced safety of family with real-time tracking of car
- Save on fuel theft, lower car maintenance cost
- Anti-theft, enhanced car security

#### Web portal for OEMs, consumers & Service Providers



#### Features

- Remote Diagnostics
- Insurance Telematics
- E-Call

#### End User Value

- Avoid breakdown, predictive maintenance, seamless servicing exp.
- Get insurance benefits, subsidies on car servicing for safer driving
- Medical/ emergency help in case of accidents

#### About Happiest Minds Technologies

Happiest Minds, the Mindful IT Company, applies agile methodologies to enable **digital transformation** for enterprises and technology providers by delivering seamless customer experience, business efficiency and actionable insights. We leverage a spectrum of disruptive technologies such as: Big Data Analytics, AI & Cognitive Computing, **Internet of Things**, Cloud, Security, SDN-NFV, RPA, Blockchain, etc. Positioned as "Born Digital . Born Agile", our capabilities spans across product engineering, digital business solutions, infrastructure management and security services. We deliver these services across industry sectors such as retail, consumer packaged goods, edutech, e-commerce, banking, insurance, hi-tech, engineering R&D, manufacturing, automotive and travel/transportation/hospitality. Headquartered in Bangalore, India Happiest Minds has operations in USA, UK, The Netherlands, Australia and Middle East.

To know more about our offerings. Please write to us at [business@happiestminds.com](mailto:business@happiestminds.com)