

# Remote Asset Monitoring for Predictive Maintenance

## CHALLENGES

- Real-time view of the mobile asset performance to improve productivity
- Fuel consumption monitoring
- Monitor driver behavior and enable assisted driving capabilities

## SOLUTION

- Customized Cloud Solution – Deployed to deliver real-time insights into mobile asset conditions
- Cloud-Based Analytics – Enabled individual and fleet views of historical and real-time data on drive quality and fuel consumption, with both offline and online storage. Supported route optimization, productivity gains, and remote access from any geolocation
- Mobile Asset Sensors – Bluetooth-enabled devices provided 24/7 connectivity and continuous monitoring of asset performance
- Mobile App – A multi-faceted Android application allowed live asset tracking on maps, real-time fuel consumption monitoring, and improved energy sustainability with reduced fuel expenses

## RESULTS

- 12% reduction in fuel consumption cost
- Better accuracy achieved in predicting maintenance requirement
- Enhanced driver behavior with assisted driving

A US-based aviation control systems manufacturer improved productivity with a cloud-based remote asset monitoring solution. Using sensors and a mobile app, the client gained real-time insights into fuel use, driver behavior, and asset health—achieving 12% lower fuel costs, accurate predictive maintenance, and safer driving.

**12% reduction in fuel consumption**

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