

AUTOMOTIVE OEM

Big Data

ALTEN ADDED VALUE

POC was completed in 4 Weeks

Process establishment

Huge amount of data collected on cloud makes it slow and cumbersome to manage all the data at a time
Pattern based to road data needed to be built to forecast road condition.

KEY TOOLS & TECHNOLOGIES

Android, Java, MATLAB-Simulink, Tom-Tom map APIS Tools; Star CCM+ and Hypermesh, AWS IOT Core, MQTT, Lambda, DynamoDB, Node.JS

KEY DATA

Team Size: 1 FTE

Time: Since 2021

Location: USA

Time and Material

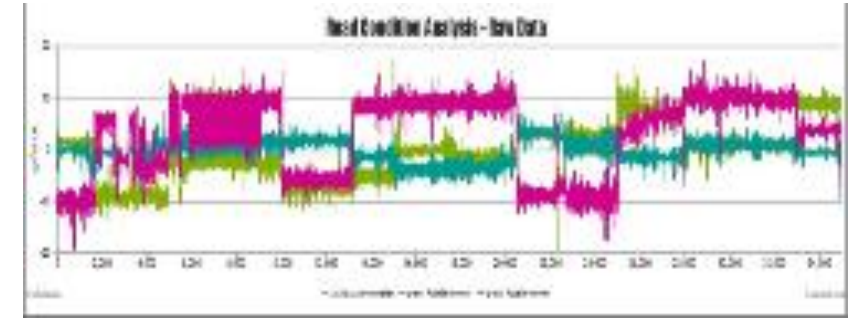
VEHICLE DATA ANALYSIS TARGETING DATA MONETIZATION

OVERVIEW

- Rapid POC ideation & delivery framework for the connected car monetization
- ALTEN was responsible to develop a Framework ultimately constituting of tools, principles and behaviors that enable OEM utilize their vehicle data beside engineering analysis

PROJECT DETAILS

- This project involved identifying an MVP and implementing a proof of concept targeting OEM Data Utilization
- Creating an Android Application for collecting all those necessary data for data analysis
- **Cloud Application** – The cloud application was responsible for calculating g-force, severity and storing the data in Mongo DB
- **Web Application** – fetch data from DB To plot Rough Road Profile, Pothole Profile, Reports and Analysis



Road Profile MVP Analysis

