

Alcohol Detection Solution

IoT Analytics platform with Alcohol ignition interlock for seamless device data collection and analysis

About Customer

- Provides services and technologies that prevent intoxicated drivers from operating a vehicle
- Monitors 200,000 ignition interlock devices and have prevented over 7 million vehicle starts due to violations
- Devices are in use in Canada, US and Australia

Business Drivers

- The solution eliminated the need for customers to bring car to a service center to collect the data resulting in significant cost savings
- Improved customer satisfaction
- Reduced customer churn

Approach and Deliverables

- Built large scale IoT platform including a bi-directional gateway to communicate with 200,000 interlock smart devices (sensors/actuators), Streaming data processor, data lake, analytics, machine learning, control module and reporting application
- On top of operational analytics, also provided AI/ML actionable insights in behavior analysis, maneuver scoring, driver grading

Outcomes/Benefits

- Revenue increased by 25% with signup of new customers
- 20% cost savings by real-time telemetry data collection through the IoT platform
- Faster reporting of violations to regulating bodies

