

Connected Vehicle Solutions

December 2020

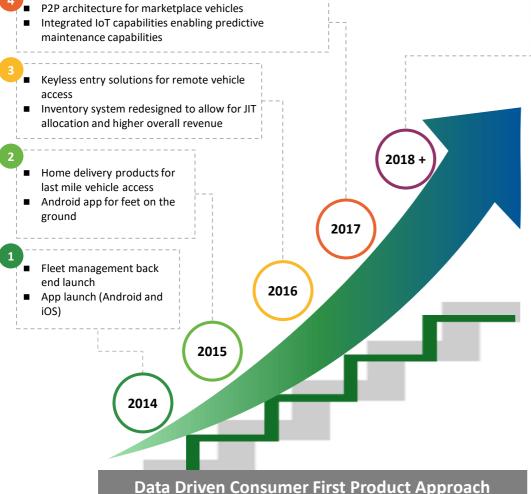
IOT Technology leveraging AI / ML + Computer Vision



Fully Integrated Tech Stack

- AI/ML solutions along with data science enables dynamic
- Full stack shared subscription platform to enable PaaS model for third party OEMs and other operators
- Keyless entry solutions for remote vehicle

end launch



Driving Road Safety and Significant Cost Efficiencies



Keyless Entry: Enables shared subscription marketplace by allowing remote access



Remote Engine Immobilization: Enables centralized control over inventory deterring theft



Predictive Maintenance: Battery/clutch/brake alerts triggering preventive maintenance and improving safety



Data and Machine Learning: Provides driver scores that help streamline operations and improve customer loyalty



GPS Tracking: Enables automation and frictionless customer communication



Geo-Zoning: Enables start/end trip for micro-mobility

Live Vehicle Health Data Streaming for Intelligent Monitoring

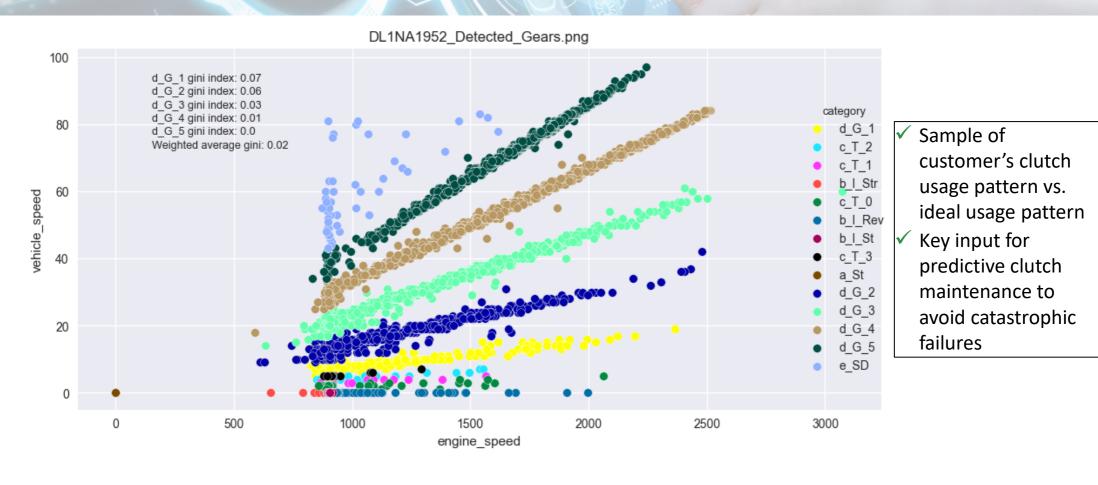




Taps OBD/CAN data through advanced diagnostics to avoid breakdowns and expensive vehicle downtime

Predictive Maintenance Algorithms Boost performance



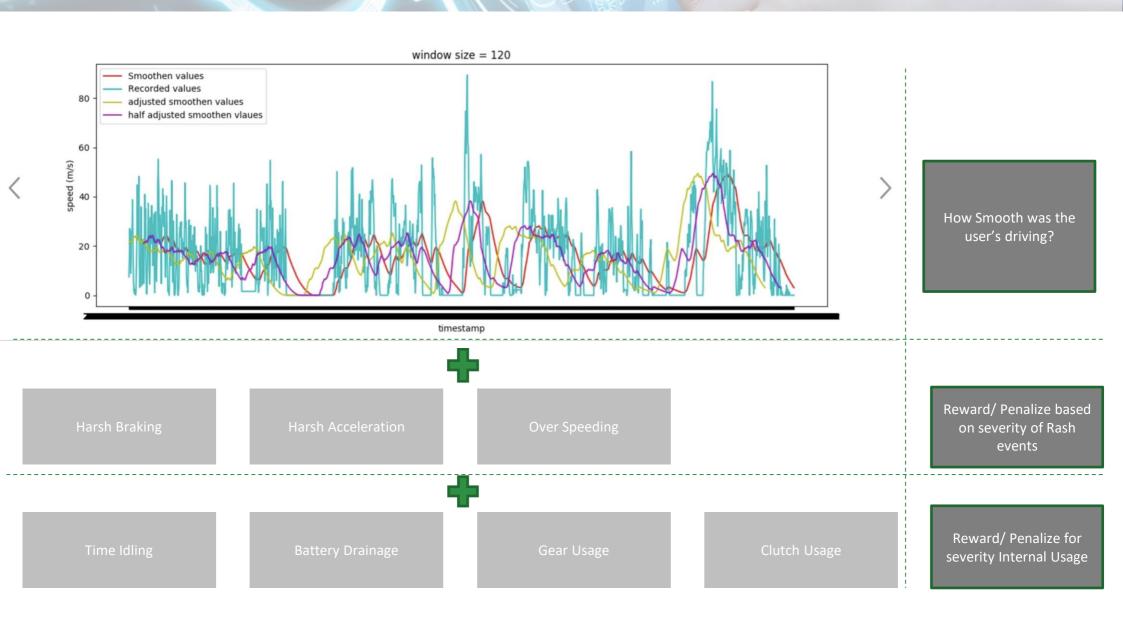


- ✓ Time Idling
 - ☐ Alert to reduce time spent in standstill with engine on to optimize mileage
- ✓ Battery Drainage
 - Trigger customer when battery is rapidly draining

- ✓ Efficiency of Gear Usage
 - ☐ Ratio of engine RPM to vehicle speed feeding into driver score
- ✓ Efficiency of Clutch Usage
 - No of times clutch was used when not required

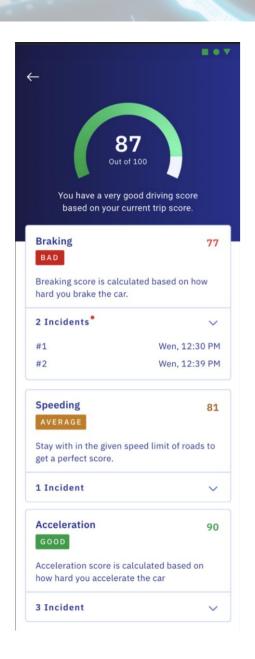
Driver Score Algorithm Creates Realtime Behaviour Assessment





Live Driver Scoring Improves Driver Behaviour



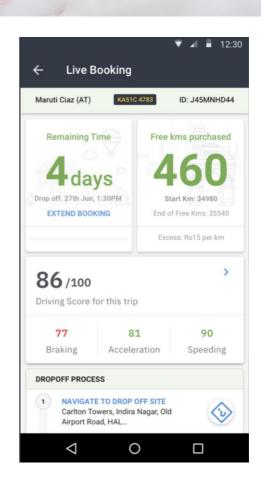


Score Gauge: 0-100

Braking Score and Incident details

Speeding Score and Incident details

Acceleration Score and Incident details including sharp turns

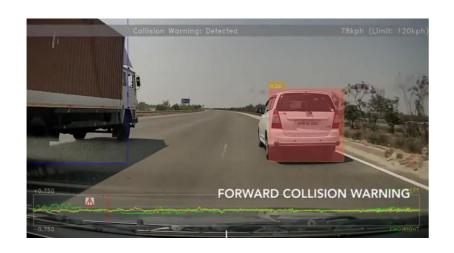


- Driver Score is 100% vehicle type agnostic
- Serves commercial + personal vehicles equally well
- Plugs in neatly to existing insurance ecosystems
- Reduces accidents 50% + and lowers operating costs 40% +

Computer Vision Provides Additional Layer of Driver Safety



Core Feature Capabilities







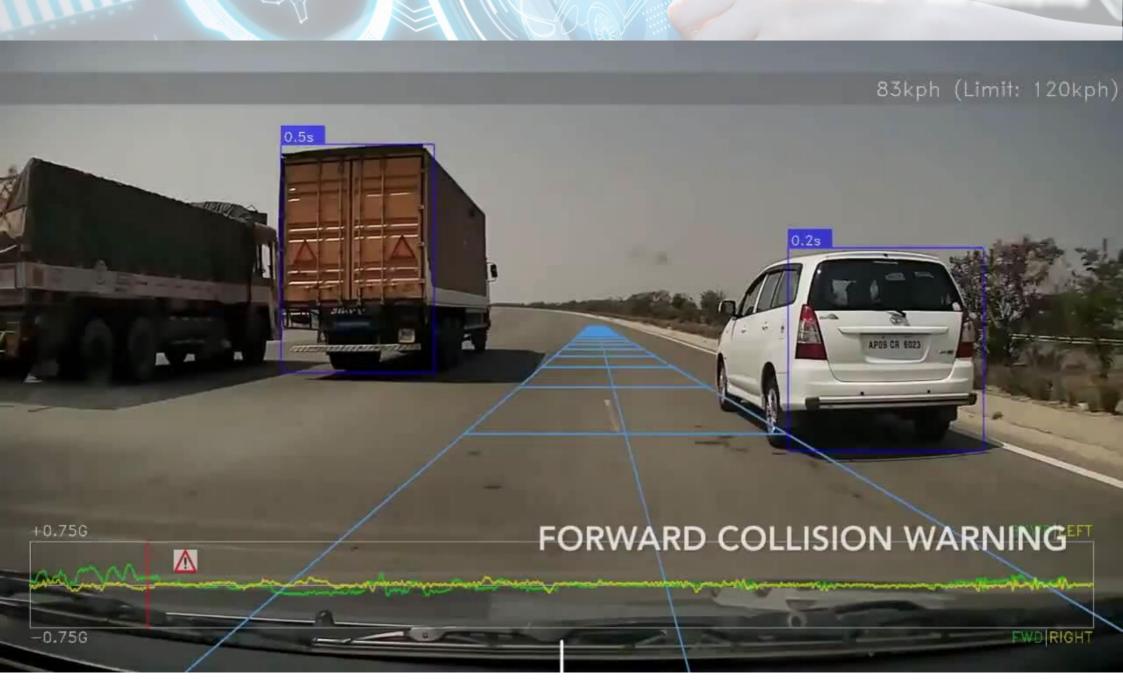




In-vehicle ADAS device processes road conditions in real-time and integrates back to driver score for 360 understanding

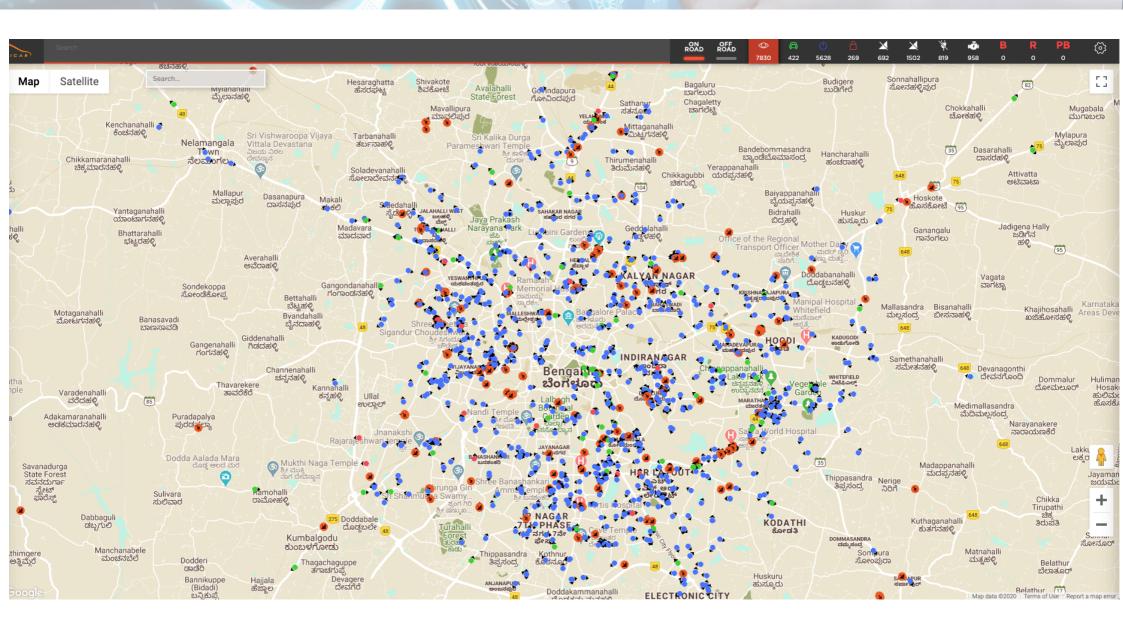
Vision Based Driver Assistance





Realtime Fleet Monitoring Promotes Safety and Efficiency





Dynamic mapping capabilities also allows for real-time insighting for operator to better manage fleet effectively

Centralized Control Center Provides Significant Operator Flexibility





Dashboard is fully customizable to suit the needs of operator and drive additional back-end efficiency

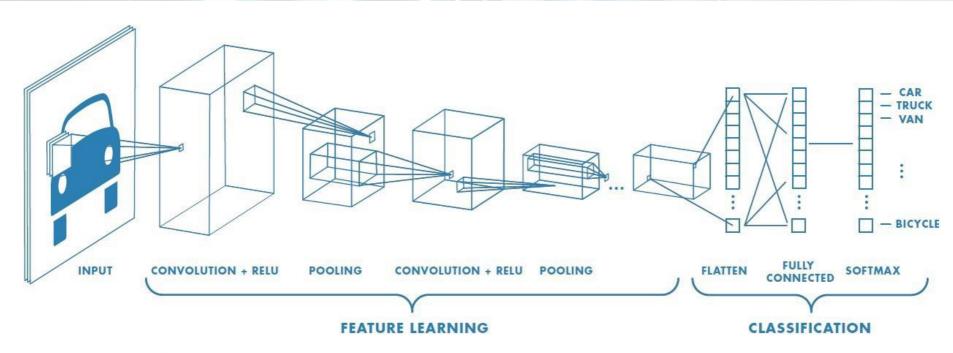
Live Vehicle Health Data Streaming for Intelligent Monitoring





Proprietary Neural Network Seamlessly Classifies Vehicle Damages







All the images from user checklist gets stored at cloud



Core Objectives

- Remotely identifying physical condition of a vehicle prior to ensure positive experience
- Making sure vehicle images captured are always of right orientation and quality for various use cases

AI/ML Damage Assessment Module Removes Manual Intervention



Damage Assessment Complete



Results:

Car validation check	~
Damage validation check	-
Location	Front
Severity	Severe

Damage Assessment Complete



Results:

Car validation check	✓
Damage validation check	~
Location	Front
Severity	Minor

Damage assessment complete!

Stay Connected, Stay Intelligent Always!



Connected, Diversified & Intelligent Telematics Solutions - Comprehensive mobility services for varied partner needs







FOR WHOM?

Fleet operators, owners of any vehicle type, vehicle sharing platforms, logistics companies

VEHICLE AGNOSTIC

Fleet management capabilities for all form factors - 2W,3W, Cars, Trucks, Buses, Electric Vehicles

LEVERAGING THE POWER OF AI AND ML

With millions of data points collated over miles of driving experience.





VEHICLE TRACKING, GEOFENCING & IMMOBILIZATION

Enhance visibility & gain control over assets remotely via live GPS tracking. Monitor vehicle movements within defined boundaries. Immobilize remotely and ensure better control over assets



PREDICTIVE MAINTENANCE

Access to real time vehicle health parameters, diagnostic checks and insights to reduce fleet downtime and maintenance costs up to 30%



DRIVER SCORING

unique driver score ratings ensures optimized driving and fuel cost savings up to 30%



OPERATIONS AUTOMATION

Schedule and automate routine operations and maintenance tasks for improved efficiency in fleet management





FLEET MANAGEMENT DASHBOARD

One-stop shop for fleet tracking & management with automated alerts and configurable reports. Control room with 360-degree view of fleet.



KEYLESS ENTRY

Access to an array of KLE based solutions for fleet sharing & advanced operations capabilities



ADVANCED DRIVER ASSISTANCE SYSTEMS (ADAS)

Accident Detection, A&V Recording and alerts powered by AI and ML to improve driving behaviour and avert serious accidents



FUEL LEVEL MONITORING

Realtime fuel level monitoring, refills, theft alerts and mileage analysis to reduce fuel pilfrage and losses



DRIVER VERIFICATION

License verification and face recognition for driver onboarding. Iterative solutions with upgrades for enhanced requirements



