

Ampere Telematics

Niveus developed a scalable IoT Telematic Platform, accessible on Android and iOS devices, offering real-time insights into the fleet of connected vehicles which ensures a seamless, secure and user-friendly experience for Ampere Electric users.

The challenge

The client was looking to build a cloud-native Telematics platform capable of supporting two versions of vehicles in terms of data ingestion and processing: the current ones are connected to mobile phones via Bluetooth Low Energy, and newer generation vehicles equipped with IoT devices. Additionally, the platform needs to cater for a food chain fleet consisting of over 10,000 scooters.

The solution

Niveus developed a dynamic, scalable & secure telematics layer for the connected vehicle platform. Real-time data processing occurs through Dataflow before loading it into Cloud BigQuery. Looker Studio leverages this data to create dashboards for the monitoring team, while Google Cloud Storage handles long-term data storage and archival requirements.

The result

The Telematics platform gathers and monitor data from connected vehicles, providing users with valuable insights into vehicle usage and diagnostics. It offers support for both the legacy Bluetooth Low Energy connected scooters and the newer IoT-enabled scooters. This platform significantly enhances fleet management for a major restaurant chain with over 10,000 connected vehicles.

“Niveus has been instrumental in building a dynamic, scalable & secure telematics layer for our connected vehicle platform. Their understanding of our requirements and how to bring those requirements to life using Google Cloud is commendable. The team also put in extra effort to help test the platform with devices deployed in our vehicles.”

Amaresh Prasad Nayak, Assistant General Manager, Greaves Electric Mobility



About Ampere Electric Vehicles

Headquartered in Bengaluru with its manufacturing plant in Ranipet, Tamil Nadu, Ampere Electric Vehicles is a leading electric vehicle company, providing a wide range of energy-efficient products, Backed by Greaves Electric Mobility that offers eco-friendly transportation, including electric scooters, three wheelers, and customized vehicles.

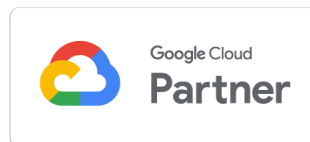
Vertical/horizontal solution: Automotive

Primary project location: India



About Niveus Solutions Pvt Ltd

Niveus Solutions, a Google Cloud Partner leverages cloud technologies to help enterprises with a range of cloud capabilities and services.



Products

Google Cloud Platform