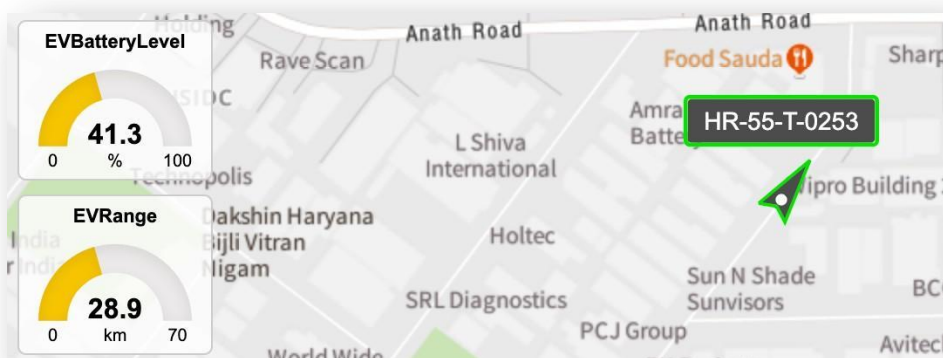
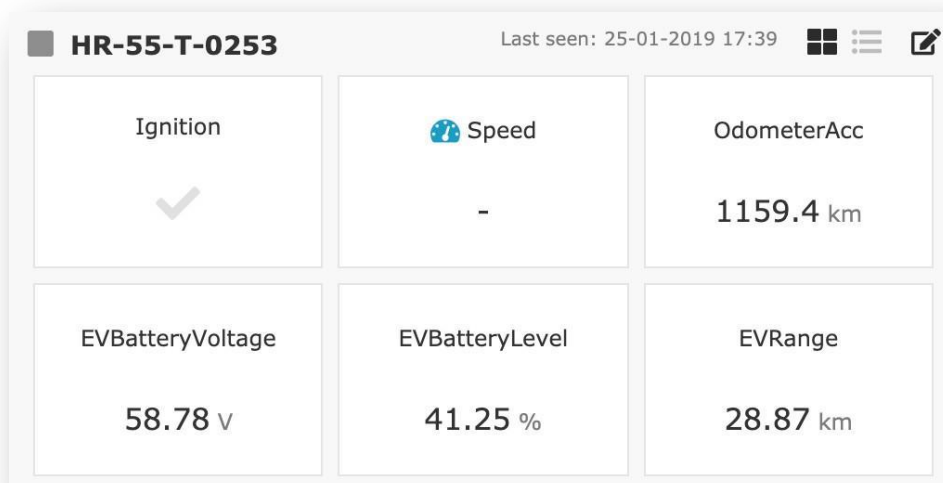


Smart Solution For Electric Vehicles

India aims to have at least 15 percent of the vehicles on its roads to be electric in five years, an official said, signalling the government's wish to join a long list of countries around the world that are already seeking to cut fossil fuels aggressively. Moreover, India unveiled 'National Electric Mobility Mission Plan (NEMMP) 2020' in 2013 to address the issues of National energy security, vehicular pollution and growth of domestic manufacturing capabilities.

Indian EV market consists of variety of launched vehicles such as Rickshaws, Buses, Motorcycles, Scooters, Hybrid cars and many more. Electric vehicles are powered by huge battery banks, constructed of long strings of batteries in series. Keeping in mind Locanix has build a solution only for Electric vehicles which not only provides Vehicle Battery Health but also estimated vehicle Kilometre Run. In addition, there are various parameters captured from vehicle will also be an added advantage for the owner displayed in below snapshots.



Locanix Smart EV Solution is based on IOT platform to transmit the voltage data collected from battery in real time. Considering the complexity & safety, Locanix utilize standard hardware capable of calculating various in-depth permutations in FMS Gateway to provide

99% of battery voltage accuracy and expected vehicle kilometre run.

	<u>Category</u>	<u>Features</u>
1)	EV Basic Solution	Real-Time Location State of Charge Battery Level Percentage Distance to Empty
2)	EV Smart Solution	Battery Disconnect Alert Distance to empty alert if the battery level is less than 20% Geofence based Swap Station Alert Sensitive Zone Alert Real-Time Location State of Charge Battery Level Percentage Distance to Empty

Name	Last seen	Status	Speed	I	Odometer	EVBatteryLevel
UP65-GT-5814	18:17:06	→	1.0 km/h		353.90 km	86 %

Status
Points of Interest
Geofence

→ **UP65-GT-5814**
Last seen: 18:17:06

Ignition

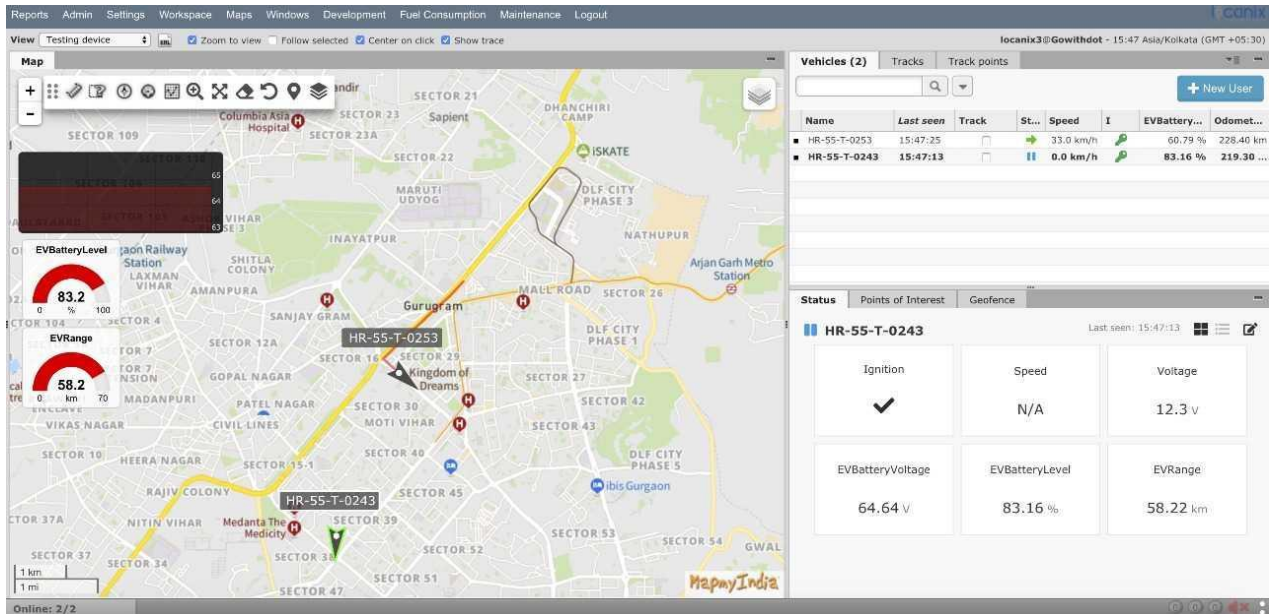
Odometer
 353.9 km

Speed
 1.0 km/h

EVBatteryVoltage
 56.21 v

EVBatteryLevel
 86.27 %

EVRange
 86.27 km



The screenshot displays the Locanix software interface. At the top, there is a menu bar with options like Reports, Admin, Settings, Workspace, Maps, Windows, Development, Fuel Consumption, Maintenance, and Logout. Below the menu, the user is logged in as 'locanix3@Gowthdot' at 15:47 on 15/04/2024. The main area is divided into three sections:

- Map:** Shows a map of Gurgaon, India, with several vehicles tracked. Two vehicles are highlighted: HR-55-T-0253 and HR-55-T-0243. A sidebar on the left shows EV metrics for the selected vehicle: EVBatteryLevel at 83.2% and EVRange at 58.2 km.
- Vehicles (2):** A table listing the tracked vehicles.

Name	Last seen	Track	St...	Speed	I	EVBattery...	Odomet...
HR-55-T-0253	15:47:25			33.0 km/h		60.79 %	228.40 km
HR-55-T-0243	15:47:13			0.0 km/h		83.16 %	219.30 km
- Status:** A detailed view for vehicle HR-55-T-0243, last seen at 15:47:13. It shows various status indicators:

Parameter	Value
Ignition	✓
Speed	N/A
Voltage	12.3 v
EVBatteryVoltage	64.64 v
EVBatteryLevel	83.16 %
EVRange	58.22 km