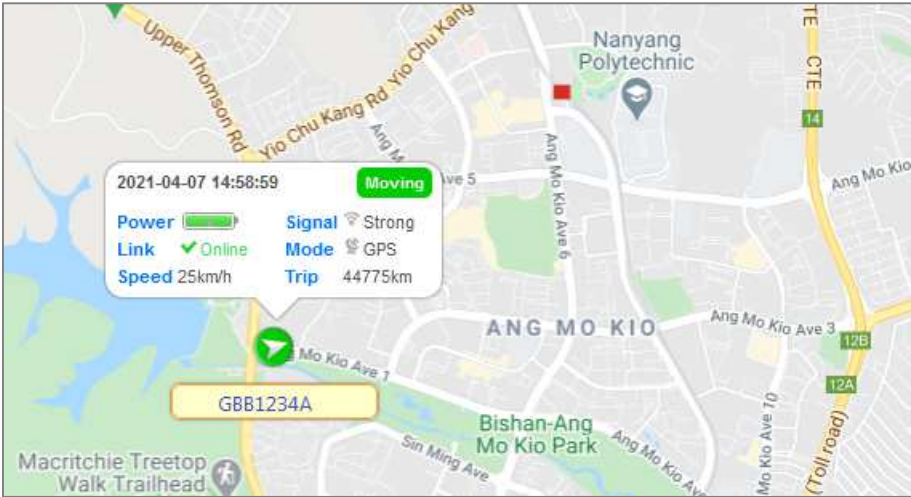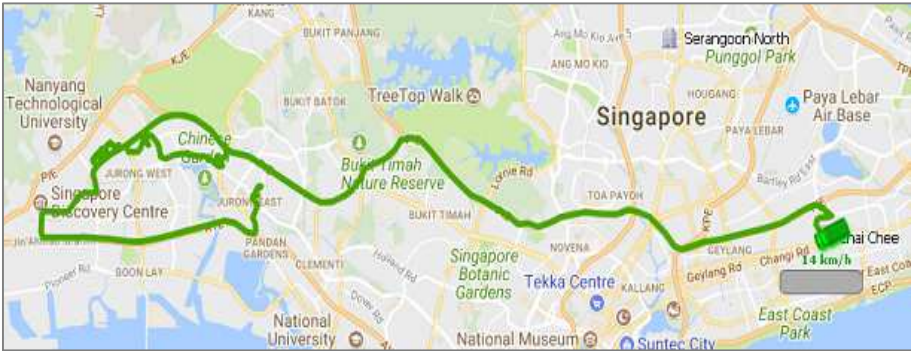# Vehicle Tracking System

Our vehicle tracking system utilizes various sensors, communication technologies and software apps to enable the manager to monitor & control his vehicle fleet, thus improving vehicle uptime and customer service.

- **Track real-time GPS location & speed** of vehicle on a digital map.

- **Secure vehicle** with immobilizer* to prevent unauthorized usage i.e. designated driver needs to present his RFID token* to start the vehicle. System is able to identify the driver.

- **Track performance & health** such as ignition on/off status, vehicle speed, engine speed, battery voltage, coolant temperature, vehicle diagnostic fault code, sensor status.*

- **Track vehicle entry/exit time** at offices or work sites using geo-fences with drive-in/out records.

- **Monitor vehicle activities** using mobile app and web-based fleet management portal.

  * Require optional add-on items

- **Display trip route** showing vehicle location & speed at specific time.
  Enable manager to investigate route violation, accident & speeding events.

- **Generate reports** such as trip mileage, parking, speeding, geo-fence and vehicle health.
  Selected reports are described below.

  Trip Report. Show trip start-end time, start-end location, trip distance & maximum speed.
  Replace manual recording of vehicle log books.

  Park Report. Show parking start-end time and parking location.
  Enable manager to check if vehicle is parked at the designated location.

  Driver Report. Show who is driving the vehicle at specific time.*

  Alarm Report. Show the alarm type (e.g. speeding), alarm time and location.
  Promote safe driving.

  Report Analysis. Export reports to Microsoft Excel spreadsheet for follow-on analysis.

  Note: System hardware and software functions are subject to change due to ongoing system development and updates.