



# Empowering Smart System with App-Based In-Vehicle Network Testing Solution

## Organization

A leading electric vehicle (EV) manufacturer, who is at the forefront of integrating cutting-edge technologies to enhance intelligent driving and deliver superior user experiences.

## Overview

The EV manufacturer sought to ensure the robust performance of their in-car systems, particularly the T-box (Telematics Box), to provide seamless connectivity and reliable smart applications for their customers. Recognizing the importance of high-speed network performance in EVs, it partnered with Dingli to optimize their in-vehicle network performance and reliability.

## Requirements

- Validate the connectivity and performance of the T-box with public 5G networks.
- Diagnose and resolve network-related issues to enhance driving safety and user experience.
- Streamline testing processes with a solution easily integrated into EV's development workflow.
- Obtain actionable insights for optimizing in-car system performance.



## Solution

EV Manufacturer adopted Dingli's **App-Based Testing Solution** with the following key features:

### Pilot Walktour App

Installed directly on the in-car display, enabling precise testing of the T-box's connection with 5G networks.

### Cloud Platform Pilot Fleet Edge

Enabled remote scheduling of test plans, real-time monitoring, and centralized statistical analysis, streamlining the network testing operations.

### Support for Multi-Scenario Testing

Included network validation under high-capacity and high-traffic conditions, ensuring reliability across diverse driving environments



