

Research

For the development of this personal, city-level electric car, the following areas will be thoroughly researched

① Personal Plug&Play DigiCar Platform

Since an electric vehicle developed in this research is targeted for personal electric vehicles used inside the city, Personal Plug&Play (P3) DigiCar with an energy efficient system to switch batteries and motors according to each driver's usage for either short travels or long travels will be also developed by introducing Plug&Play features.

② Plug&Play Supportable Distributed Embedded Platform

The core technology based on hardware/software platform will be studied to develop a distributed embedded computing system that allows Plug&Play with high reliability and safety.

③ Active Driver Safety Assistance System

In order to achieve the safety of the vehicle, thorough research on active safety systems for detecting dangerous situations ahead and vehicle braking systems, steering, traction control, and hood lifting systems for preventing accidents will be studied.