



+ Feature

This technology provides the techniques as the system integration of intelligent and electric function for a mini bus. The mini bus was constructed of the techniques of the chassis and body design, by wire controlled chassis, powertrain system integration, driver operation interface, energy management system, vehicle electrical configuration, object detection, traffic sign and marker recognition, vehicle positioning, decision and control.

+ Technique

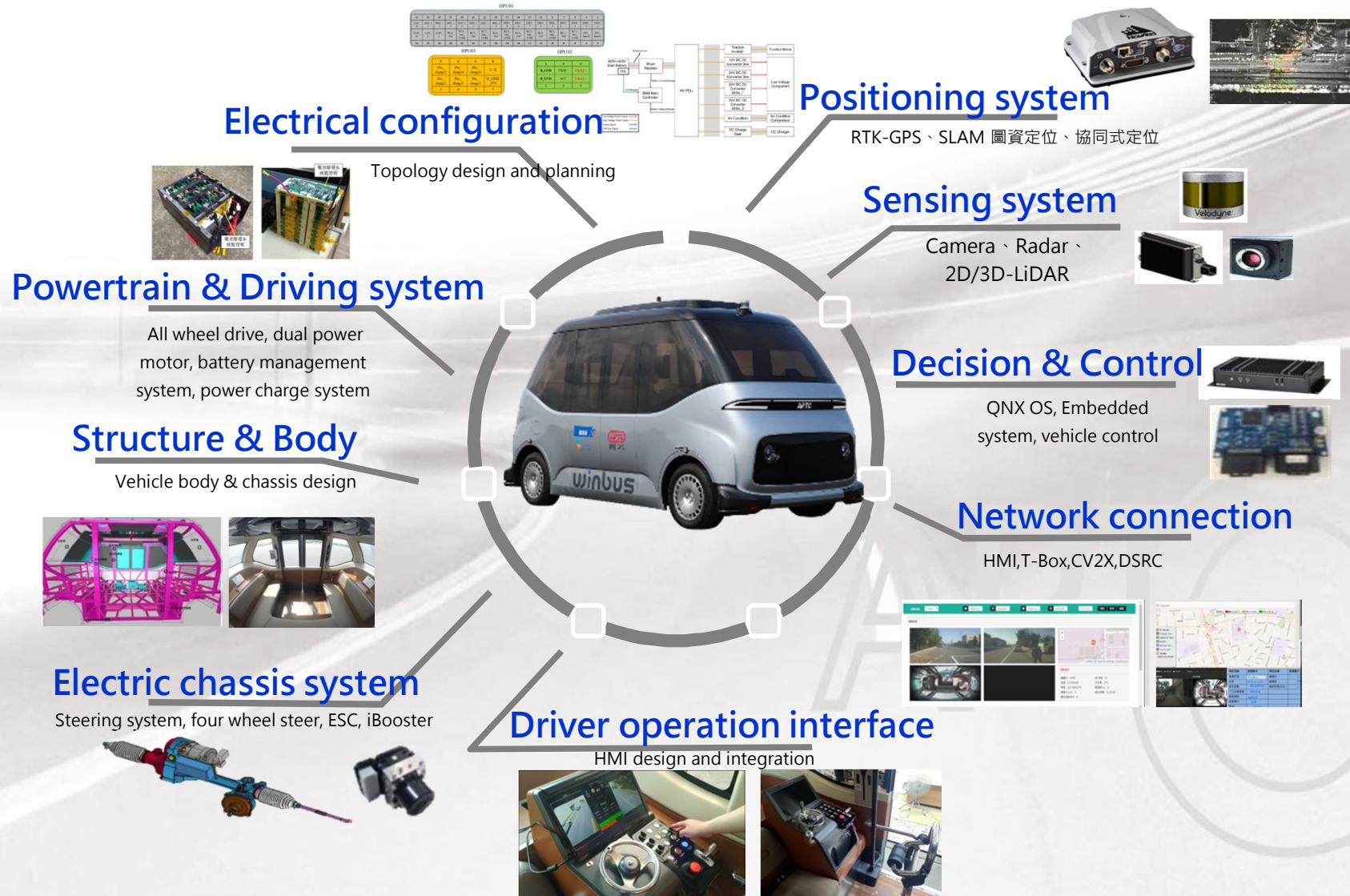
1. System integration of electric vehicle
2. System integration technique for X-by-wire chassis system
3. The design and simulation of vehicular structure
4. System plan and integration for autonomous driving system

+ Specification

1. Electric Autonomous driving bus with 15 occupants
2. Maximum vehicle velocity $\leq 50\text{kph}$
3. Maximum gradeability $\leq 20\%$
4. Equips Lidar, camera and Radar modules
5. Equips RTKGPS, DSRC and T-box modules
6. Equips autonomous driving computing platform



Demonstration



System integration of intelligent electric vehicle for the E-Auto Shuttle