TMA Automotive Software Center

R&D Prototyping

Vision

Support Customers To Build Hi Tech & Smart Vehicles

Create a V2X Network (Vehicle to Everything) With 5G and IoT

Eco System for Every Car Brands and Every Drivers

Why TMA Automotive?

Embedded Telecom Wireless	Applications Mobile Multimedia	IoT Data Science AI/ML
23 Years 1,200 Engineers	15 Years 600 Engineers	5 Years 300 Engineers

TMA Automotive Software Center

5 Years

150 Engineers

Trusted by Top Global Tier-**1** Automotive Suppliers

Services

PCB Design	Embedded Software Development	Model Based Development
ECU Programming	Driver Development	Middleware & Application Development
Computer Vision Mechanism	Data Science AI/ML	GPS/IMU/Sensors /Radar/Lidar...

Example Functions

- Automatic Drive
- Remote Drive
- Car Remote Control
- ADAS (Advanced Driver Assistant System)

Sample Product

Automatic Connected Car

A smart connected BEV car with remote control system can be driven remotely or self-driven automatically

Car Remote App/Diagnostic

BEV

4G/5G

Transceiver ControlAPI

Wireless Stack/ Sub-system

Device Driver

Hardware: Wireless module, Diagnostic module

Remote Room

Remote Drive System

Product Functions

Built-in Automated	GPS/IMU	Traffic Prediction
Sensors	Object Detection	Surround View Camera
Map and Routing	ADAS Functions	Radar Lidar
Video Stream	Self-Diagnostic	Remote Monitor & Report
Auto Detections	Auto Brake	Remote Control

Technologies

ECU/MCU
Sierra Wireless, Renesas, NXP, Nvidia, Qualcomm, etc...

Network
CAN, MOST, ODB2, 4G, 5G, ETH, LIN, BT, V2M, V2V, etc...

Tools
Matlab Simulink, SCADE, Altium, OpenCV, GStreamer, Enterprise Architect, QT, Yocto, Navigation Map, Lidar Map, OpenDBC, ASCET, QML/XML, Genevi, etc...

Programming
C/C++, MATLAB, Flutter, C#

Platform
Embedded Linux, RTOS, Cloud KVM, Windows Desktop