TESSOLVE
A **HERO ELECTRONIX** VENTURE

Tessolve Embedded Automotive Expertise

Automotive:

Tessolve develops Automotive products compliant to ISO26262 from pre-silicon to finished product

Infotainment Systems

- 2-DIN Android Console
- Rear Seat Display
- AV Streaming Android Apps
- Camera Systems

Off Road Vehicle Market

- 4V-48V Systems with Load Dump
- HMI Driver Console Panels
- IP CAM based Intelligent Systems

ADAS

- LTE Connected Navigation Device
- LTE enabled Telematic Control Units
- mmWave Radar Solutions

Connected Cars

- 5G/LTE/2G/3G/BT
- Bluetooth, Wi-Fi, AM/FM
- V2P/V2V/V2C/M2M/V2X

← **Turnkey Development & Mfg. / Software Development, Integration & Validation Services** →

AUTOSAR
Enabling continuous innovations

Focus Domain:

TCU | Gateways | Infotainment | Telematics | HMI Panels | ADAS

- AUTOSAR: Application, BSW & MCAL Integration, MCAL & CDD Development, Verification & Validation
- Hardware Security Module Firmware, API Development, Integration & Validation
- Linux/Android/RTOS BSP, Middleware Development & Porting
- HMI - Qt/Android UI/UX/Apps Design, Development, Integration & Validation
- Hardware Design, Development, Validation, Qualification & Manufacturing
- Technical Support

Embedded Product Solution

TERA Dongle is a high-performance application gateway based on NXP S32G2 Processor. Dongle is an IoT device capable of connecting vehicle data to cloud and is capable of running high performance edge computes.

Digital Connected Cluster
i.MXRT1176 SoM based Digital cluster targeted for the 2 or 3-wheeler market.

Tessolve designs and manufactures the flagship ADAS product of Coyote Systems.

Tessolve has Collaborated with Coyote to design and manufacture of COYOTE SYSTEM's aftermarket Advanced Driver Assistance Systems (ADAS) product for Europe. For this flagship product, Coyote Systems entrusted the entire project to Tessolve for a minimum period of 5 years, based on its in-depth knowledge in automotive multimedia displays and connected devices.

Key Features:

- Snapdragon based ADAS System
- Android 7.1 (Nougat) OS
- 1GB RAM, 8GB eMMC
- 3.5" DISPLAY (480×320) with Capacitive Touch Panel
- GSM: 4G LTE, 3G WCDMA/UMTS, 2G GPRS 850/900/1800/1900 MHz
- GNSS: GPS, GLONASS
- Bluetooth: Bluetooth and BLE
- WiFi: WIFI b/g/n 2.4 GHz

- MIC: Dual microphone to perform noise cancelling
- Speaker: Standard Speaker (Power: 1W)
- Sensors: Accelerometer and Gyroscope
- Battery: Li-Po 1000 mAh
- Charging: USB type C connector and through charging dock
- Temperature range -20 to +70 degree C
- CE Certified

Applications:

- Navigation system
- Most up to date in real-time information regarding road hazards distributed within the community.

+91 80 4181 2626   sales@tessolve.com   www.tessolve.com