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Passion. Innovation. Solutions.

SOLUTIONS FOR VEHICLE ELECTRONICS

FEV INC.

Providing electrical engineering design and consulting services to automotive OEMs, Tier and Aftermarket Suppliers.

PRODUCTS

- Automotive Network Gateways
  - » CAN / GM-LAN/ Ford FNOS
  - » Ethernet
  - » LIN
- Vehicle Bus Interfaces
  - » ECU subsystem for seamless access to OEM vehicle network
  - » OEM-Safe Aftermarket Gateway
- Custom Automotive Development Tools
  - » Engine Simulator
  - » Transmission Simulator
  - » Telematics HiL Vehicle Drive Simulator
  - » High Speed Data Acquisition System
  - » Load Boxes (design or build to print)
- Custom Automotive Designs
  - » Body Control Modules
  - » Telematics / Infotainment Control Modules
  - » Motor Control Modules
  - » Hybrid/BEV Battery Control Modules
- Telematics Designs
  - » GPS
  - » GSM/CDMA
  - » Bluetooth, WiFi
  - » DSRC / Car2x On-Board Equipment

SERVICES

- Hardware Design
  - » Embedded Circuit Design (MCU, ASIC, FPGA, CPLD, Power, and RF Technologies)
  - » Prototype and Production Vehicle Module Design
  - » ECU Test, Validation, and Simulation Equipment Design
- Software Development
  - » Embedded Solutions
  - » PC Solutions
  - » C, C++, and Assembly Language
  - » Real Time Operating Systems Application Design (Linux, OSEK, and Others)
  - » National Instrument LabVIEW (Real Time, PDA, FPGA)
- Testing and Validation
  - » Vehicle Bus Software and Hardware Design Validation
  - » Vehicle-Level Bus Validation
  - » ECU Diagnostics Validation
  - » End-to-End System Integration and Validation
- CAD and Lab Services
  - » Schematics and PCB Layout
  - » Electronic Packaging Design – Solid Modeling
  - » Complete Electronic Box Builds
  - » Prototype Vehicle Modifications
- Project Management
  - » Coordination / Management of Entire Customer Projects
- Vehicle Electronics Troubleshooting and Consulting

INTEGRATION

With our experience and expertise, we assist our partners in integrating their products into the OEM vehicle. We focus on the entire vehicle system.

CONSULTING

We collaborate with OEMs and Tier suppliers to develop and validate electronic designs. We support your EE activities by providing prototype design and consulting services. We speed the process by advising regarding the OEM product development cycles and provide project management and coordination.

DESIGN

Areas of expertise include:

- Embedded Software and Hardware
- Telematics
- Vehicle Networks
- Testers and Simulators
- Communication Gateways
- ECU/Subsystem Hardware
- System Integration and Validation

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