



Solutions for Automotive Electronics

DGE Inc.

Providing electrical engineering design and consulting services to the automotive OEMs and Tier suppliers.

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.

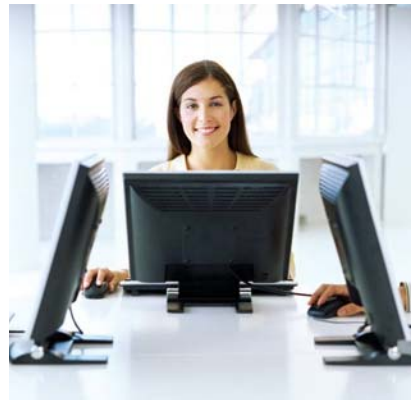
Consulting

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
Telematics
Vehicle Networks
Testers and Simulators
Communication Gateways
ECU/Subsystem Hardware



Products

- **Automotive Network Gateways**
 - CAN / GM-LAN
 - J1850 / GM Class2
 - LIN
- **Vehicle Bus Interfaces**
 - ECU subsystem for seamless access to OEM vehicle network
 - Wheelchair Ramp Upfitter Module
- **Custom Automotive Development Tools**
 - Engine Simulator
 - Transmission Simulator
 - Telematics Vehicle Drive Simulator
 - High Speed Data Acquisition System
 - Load Boxes (design or build to print)
- **Custom Automotive Designs**
 - ECUs
 - Body Control Modules
 - Telematics Control Modules



Services

- **Hardware Design**
 - Embedded Circuit Design (MCU, ASIC, FPGA, CPLD, Power, and RF Technologies)
 - Prototype and Production Automotive 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)
 - Graphical User Interface (GUI) Design with MFC
 - PDA Applications (Palm OS and Pocket PC)
- **CAD and Lab Services**
 - Schematics and PCB Layout
 - Electronic Packaging Design – Solid Modeling
 - Complete Electronic Box Builds
 - Prototype Vehicle Modifications
- **Project Management**
 - Coordination and Management of Entire Customer Projects
- **Automotive Electronics Troubleshooting and Consulting**
- **Maintenance and Support of Third-Party Test Equipment**
- **Testing and Validation**
 - Vehicle Bus Validation
 - ECU Diagnostic Validation
 - CAN Driver Validation
- **Training Classes**
 - Introductory and Advanced CAN Courses

