

# Electrical Engineering and Electronics Design

Our engineers design **analog** and **digital** systems  
for some of the toughest environments.

- Analog design
- Digital design
- Embedded military computer designs and applications
- FPGA and CLPD design
- Processor/memory circuit card assemblies (CCAs)
- Power supply modules and CCA's
- Display CCA's
- Specialized I/O CCA's (analog I/O, digital discretes, serial data buses)
- Harness and cable design
- Specifications, schematics, and design documents
- Prototype fabrication
- Packaging for industrial and military environments

## Vetronics

- Embedded network designs and applications (EIARS232/422/485, SAEJ1939, SAEJ1708, CAN)
- Power moding, management and distribution
- Electro-mechanical controller architecture and design
- System reliability, maintainability, availability, and logistics
- Environmental conditions (temperature, altitude, vibration, shock, etc.)
- Electromagnetic environmental effects
- System diagnostics and testability
- Control system design



ELECTRICAL