Specialists in hardware-in-the-loop test systems, WTI provides integrated Turnkey systems for a full range of electronic control modules. We have selected National Instruments VeriStand™ (formerly EASE, developed by WTI) software platform which provides a comprehensive set of software tools and seamless integration with National Instrument’s PXI hardware platform; setting a new standard for open, adaptable, scalable, expandable, and cost effective ECU simulation and testing. The VeriStand real-time environment ensures determinism thus providing system stability, reliability, real-time sequencing, and time based repeatability. The VeriStand operator interface is housed in a standard desktop PC and communicates to the real-time test system via TCP/IP. Test development, sequencing and all configuration is performed in a familiar Windows based environment that requires no knowledge of any programming language. The Graphical User Interface is completely customizable by selecting user interface items from a menu; the user has control of the GUI and the capability to edit the GUI in run-time. VeriStand supports model integration from a variety of vendors including Matlab/Simulink, LabVIEW, .dll, and Python. Test generation is simplified utilizing our intuitive menu driven test sequence editor; simply select the command and insert it into the script. Additionally, the VeriStand platform allows for importation of existing test scripts in an Excel file format.

Wineman Technology is a recognized leader in the design and build of specialty machines for data acquisition and test. Possessing vast experience in ECU life cycle, durability, functional and custom HIL test systems; we have a unique combination of skills enabling us to provide a broad range of tools, systems and support necessary for the development and deployment of Hardware-in-the-Loop simulation and test systems.

**FEATURES:**
- Direct Model Integration: 
  - Matlab™ 
  - Simulink™ 
  - Python 
  - .DLL 
- Test Sequence Builder 
- Runtime GUI Editing 
- Sensor Simulation with FPGA

**BENEFITS:**
- COTS Hardware 
- Open Architecture 
- Cost Effective 
- Scalable 
- LabVIEW Based

**SERVICES:**
- Test System Customization 
- System Support 
- Custom Loads 
- Fault Insertion Units 
- Test Configuration 
- Fixture Design 
- Break Out Box 
- Customizable Software & Hardware

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