

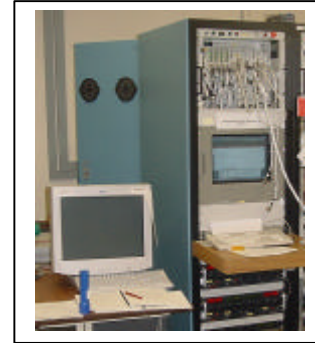
Space and Defense Test Solutions

High Performance Ground Based Test Systems



Solutions

- Turnkey System/Payload Test Stations
- Turnkey Ground Support Equipment
- High Speed Data Generation/Acquisition Cards/Chassis
- Customized Test Software
- System Emulators
- Quick Turn Prototypes
- Engineering Models



Turnkey Test Systems

Capabilities

- Turnkey Systems
 - Test requirements assessment and specification
 - Multi-bay rack design
 - Board/FPGA design
 - Software design
 - Custom panel design
 - Cabling
 - Mechanical test fixtures
 - Integration of third part test equipment
 - Fabrication and Assembly
 - Integration and Test
 - Certification and Calibration
- Modular product line of rack mount test equipment focused on Spacecraft and Payload testing
 - Integrated suite of software providing support for all hardware modules, GUI, and scripting capability
 - PCI Express based backplane architecture allows for high throughput, expansion, and incorporation of additional COTS PCI Express based cards
 - Free BSD based software architecture allows for real-time driver support

Overview

Technovare has been providing customized and off the shelf test solutions to the Space and Defense market for over 10 years. With a combination of off the shelf standard test products and years of custom Test Set development, Technovare can quickly design and integrate systems to meet customer's particular needs. In most cases Technovare is able to leverage its off the shelf chassis, boards, and Software Framework to greatly reduce the time and cost of fielding a System.

Technovare's off the shelf Test Equipment consists of PCI Express based hardware controlled from a Test Software Framework. Hardware elements include PCI Express based Test Controllers, Expansion Chassis, Data Generation Cards, and Data Acquisition Cards. The focus on PCI Express allows Technovare equipment to reach system speeds of 24Gbps in a single chassis and higher with expansion chassis.

Technovare's Test Software Framework is a combination of custom PCI Express card drivers, COTS test equipment drivers, and a Windows based GUI all driven from a Tcl scripting language. The focus on Tcl scripting allows users to quickly develop complicated test scenarios without the overhead typically associated with graphical test control programs.