

Satellite Functional Testing Laboratory



Services Provided:

- Developing of Complex Integration Test System
- Developing of Electrical Ground Support Equipment EGSE
- Functional test of Satellite systems
- Automated test and validation systems
- Embedded Control and Monitoring Systems
- Developing Testing Management Software by LabVIEW

Facilities Available:

- Industrial PXI chassis provide high-performance modular instruments for test and measurement.
- Data Acquisition and control as a multifunction DAQ functionality with reconfigurable I/O options.
- NI's electronic test and instrumentation products oscilloscopes, digital instruments, frequency counters, power supplies and loads, switches, GPIB, serial, and Ethernet, Digital Multimeters, waveform generators, instruments, source of measuring units, FlexRIO
- Wireless communications, Vector Signal Transceivers, RF Signal Generators, Network Analyzers, Spectrum and Signal Analyzers, RF and Microwave Switches, Power Sensors, RF Signal Conditioning

Samples from our Projects / Products:

- Satellite Integration Test equipment for CubeSat and Micro-satellites (NARSSCube-1&2, NExSat-1, etc...).
- Check Test equipment for different satellite subsystems (FMS, EPS, TT&C, X-band, Space Env, etc...).



Part of our Facilities / Services:

Developing Complex Integration Test System for Space Keys Educational Satellite Platform.



Developing of the Complex Integration Test System for NExSat-1 Satellite

Developing Electrical Ground Support Equipment EGSE for Space Keys Educational Satellite Platform payload subsystem



Developing Electrical Ground Support Equipment EGSE for satellite failure management system

Training equipment for satellite functional testing



And many others... Contact us to know more about our Services.

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