













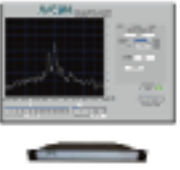
Proudly serving the Range community for Over 20 years!

Technical Manufacturers' Representation and System Integration

Thank you for considering YawPITCH. We offer Technical Sales Representation which is built on strong personal relationships, face to face meetings, and doing the right thing.

YawPITCH is a full service Manufacturers' Representative firm focused on delivering exceptional personal service to Range and Mission Systems customers across the United States. Our line card features airborne qualified data recorders, avionics databus test and simulation, rf spectrum analyzers, telemetry over ip, data acquisition with integrated signal conditioning, and mobile command and control/flight test vehicles. These products are typically used in flight test, communication links, avionics, processing, and engine test applications. We leverage more than 24 years of experience in the Aerospace Marketplace. NAICS Codes 541618 & 541613. We are a small business and our cage code is 8D1L6.

YawPITCH - We Connect People with Technologies

	<p>AIT is a leading designer and manufacturer of Test Instrumentation, Databus Analyzers, and Rugged Embedded interface solutions for Military and Commercial applications. NAICS Code: 334511 MIL-STD-1553, Arinc-429, Fibre Channel, AFDX, HS1760, Gig E, 10G Ethernet</p>	  <p>www.aviftech.com</p>
	<p>Amplex is a supplier of Airborne Solid State Recorders, Machine Learning and Cyber Security Systems for Ground, Airborne, and Space Qualified applications. NAICS Code: 334111, 334112, 334511, 334290 ISR, PODS, EW, Flight Test, Video</p>	  <p>www.ampex.com</p>
	<p>Apogee Labs provides state-of-the-art and cost-effective solutions for collecting, transmitting, converting, switching and distributing signals. Products include TMoIP, Matrix Switches, BER Testing Units, Interfacers, Multiplexers/ Demultiplexers, and encoders.</p>	  <p>www.apogeelabs.com</p>
	<p>AVCOM of Virginia is a vertically integrated technology company with 30 years of experience in the design and manufacture of commercial high quality spectrum analyzers and signal monitoring products, in the USA. NAICS Code: 517410</p>	  <p>www.avcomofva.com</p>

YawPITCH - 430 E 8th St, Suite 1014 Holland, MI 49423
www.YawPITCH.com rob@yawpitch.com 616.879.5990
Telemetry - Avionics - Test - Mobile Command and Control

	<p>Delta Digital Video (DDV) emerged from a legacy of government consulting to become designers and manufacturers of innovative, world-class solutions for video compression and scan conversion products for the Military, Homeland Security, Distance Learning, and Broadcast markets.</p>	 <p>www.deltadigitalvideo.com</p>
	<p>Nomad Global Communication Solutions (GCS) is a leading provider of advanced interoperable communication solutions. We deliver turn-key products and services. NAICS Code: 336211 Trailers and Vehicles for Tactical Command and Flight Test</p>	 <p>www.nomadgcs.com</p>
	<p>HGL Dynamics builds data acquisition and data storage systems to suit a wide variety of industry requirements. They provide services, software and hardware to resolve even the most challenging measurement needs. NAICS Code: 334515 Portable and Fixed Measurement Systems, Integrated Signal Conditioning, Data Analysis, and Data Archiving.</p>	 <p>www.hgl-dynamics.com</p>
	<p>KAMAN Precision Products/Measuring is the World's Leader in High-Performance Non Contact Position Sensors. Based on eddy current measurements, Kaman sensors are capable of stable and repeatable sub-nanometer resolution, and can operate in the most extreme temperature and pressure environments. Position Feedback Sensors for Fast Steering Mirror Applications</p>	 <p>www.kamansensors.com</p>
	<p>Viasat designs and manufactures antenna systems that lead several satellite communication markets. Full Motion Antenna Systems at S, C, X, Ku, and Ka Band, High Rate Modems for TT&C and Payload Downlink Processing, Complete Turnkey Ground Stations</p>	 <p>www.viasat.com</p>
	<p>Vanteon Wireless Solutions specializes in developing custom and standards based wireless solutions for clients with a need to collect and distribute data without the expensive use of wires. Software Defined Radios(SDR)Signal Processing</p>	 <p>www.vanteon.com</p>





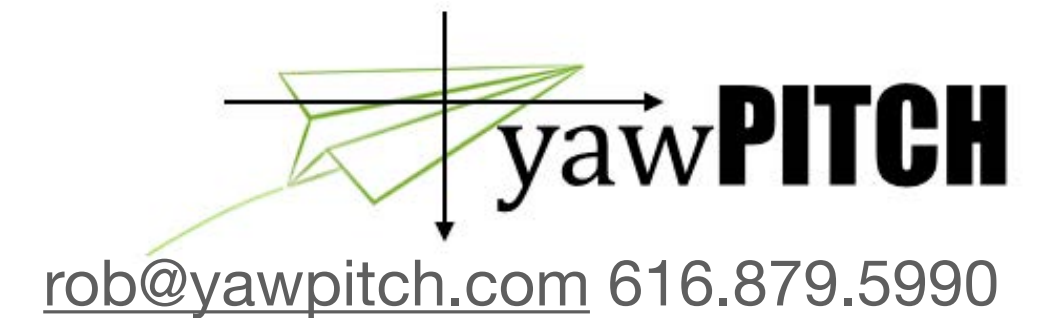
We Connect People with Technologies

Rob Trepa: 616-879-5990

rob@yawpitch.com

Who We Are

We Connect People with Technologies



YawPITCH is a full-service manufacturers' representative for the aerospace and defense industries among others. For more than 24 years, we have served our range and mission systems customers across the United States by providing diverse lines of ground, flight, and space-based systems from the most reputable and reliable manufactures in the business. Our code of ethical, high-energy, customer-service drives a reputation for delivering superior-quality technologies, exceptional service and support.

ISR

Ground Stations

Avionics

Engine Test

Mobile Solutions

RF Test

DUN:115840604

CAGE CODE: 8D1L6

NAICS CODES: 541613 & 541618

About Rob

Founder and CEO



Rob Trepa builds revenue streams for Aerospace technology companies by delivering great personal service to range and mission systems customers across the United States. He leverages more than 24 years of experience in configuring Ground, Flight, and Space systems. Core expertise areas are avionics, telemetry, data acquisition, rf, and mobile command vehicles.

He is in the business of taking care of range and mission systems customers across the United States and enabling his line card to grow from a highly ethical and high energy approach. He has held leadership positions with several Aerospace Companies and has won several national awards for his leadership of the State's AIAA Section.

Rob was born in and raised in Cleveland, Ohio. Rob's family moved to Western Michigan where he attended High School and attended College at Michigan State University.

He is a devoted Husband and Father. He was the fifth American to complete the Four Desert Ultra Races. He completed the 805 Mile Arizona Trail Solo while averaging 33 miles of running, collecting water, and chasing away mountain lions!

Who We Serve

YawPITCH is proud to serve the following markets & industries

Aerospace Industry - Data and video recording and processing, telemetry downlink, encryption, missions computers, avionics, video compression, conversion, and distribution, modems, engine test, test vehicles.

Commercial Ground Stations -Antennas for flight test and satcom, Launch and Flight Test Command and Control Trucks, Trailers, and Containers, Rugged rack mount computers, displays, switches, Telemetry over Ip.(TMOIP) Beacon Receivers, Spectrum Analyzers, Signal Simulators, RF Converters, Demodulators, Signal Processing, High Data Rate Modems.

Military Bases Program Offices, Test & Launch Ranges - Antennas for flight test and satcom, Launch, Flight Test, Training Command and Control Trucks, Trailers and Containers, Rugged rack mount computers, displays, and switches, Telemetry over ip (TMOIP). Beacon Receivers, Spectrum Analyzers, Simulations for training, rugged computers, Counter UAS (cUAS), EW sub systems, ISR subsystems



Defense Industry - Rugged Networking, mission computers, precise pointing subsystems, efficient video downlinking, hypersonic testing, PODS, EW, IR, Radar, Tactical Vehicle & rugged Trailers, rugged laptops, rugged displays, rugged switches, Databus test simulation for sensor and weapon systems.

Test & Measurement Industry -High Channel Count Data Acquisition, Vibration measurement via eddy current, Databus & high speed Test & Simulation, Databus test and Simulation, Rugged and lab based data recording, RF Simulation and Measurement, Flight Test.

National Labs & Universities - Data Acquisition, Rugged recording and instrumentation, Telemetry over ip (TMOIP). Rack mounted computers, displays, and switches for test racks. Windtunnels, engine test stands.

Apogee Labs provides state-of-the-art products and service to the communications, instrumentation and telemetry communities. We offer cost-effective solutions for collecting, transmitting, converting, switching and distributing signals found within these communities.

TMoIP



Matrix Switches



BER Testers



Interfacers



Mux/Demux



Ampex is an industry leader in high-capacity, high-performance data storage systems capable of functioning in demanding environments on land, at sea, or in the air. ADSC products are principally used in applications to acquire, process, and store intelligence, surveillance, reconnaissance, electronic warfare, mission system, and flight test data related to aerospace and maritime vehicles and their associated ground stations.



Rugged

Recording

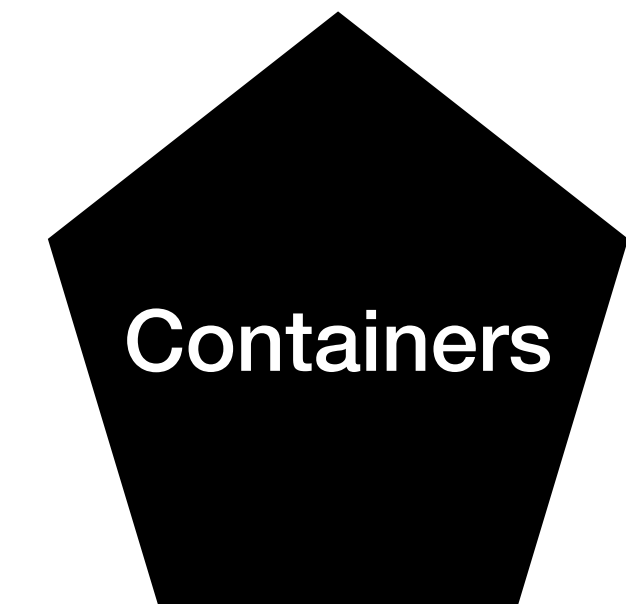
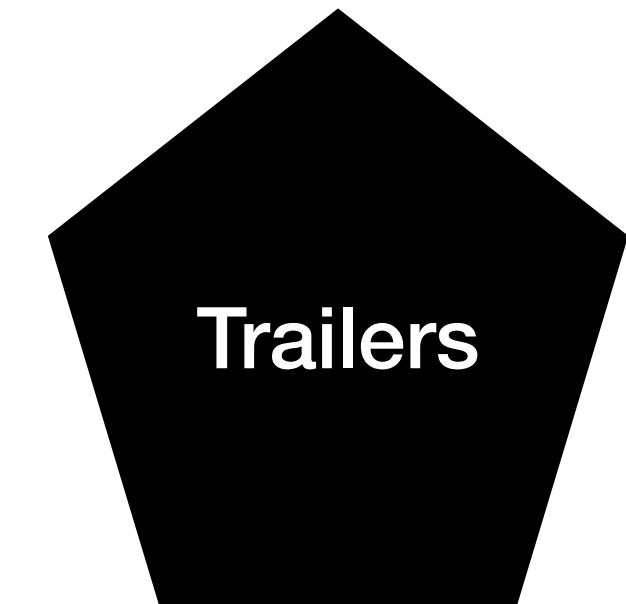
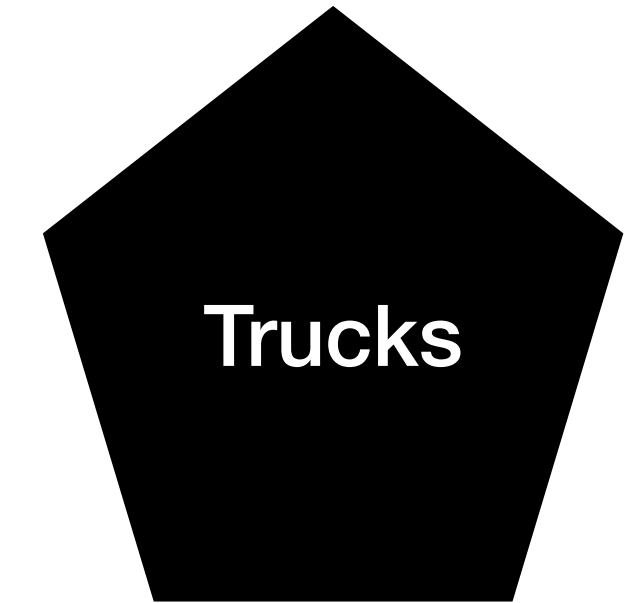
Processing

Encryption

Ampex Product	Speed	Max Storage	Network Protocols	Network Interface Options*	Size / Weight	Open Architecture (non-proprietary)	Security
 TuffServ 640	1,900 MB/sec	80 TB	NFSv4, NFSv3, CIFS/SMB, PCAP, FTP, TCP, UDP, IP	10 Gig-E 1 Gig-E sFPDP 1553B	470 in ³ 7.63"H x 4.88"W x 12.63"D 30 lbs	✓ Red Hat Linux 7	✓ AES, 256 bit, FIPS 197
 TuffServ 540	900 MB/sec	16 TB	NFSv4, NFSv3, CIFS/SMB, FTP, TCP, UDP	10 Gig-E 1 Gig-E sFPDP 1553B	105 in ³ 2.9"H x 4.25"W x 8.5"D 10lbs	✓ Red Hat Linux 7	✓ AES, 256 bit, FIPS 197
 TuffServ 480v2	800 MB/sec	16 TB	NFSv4, NFSv3, CIFS/SMB, FTP, TCP, UDP, IP	10 Gig-E 1 Gig-E sFPDP 1553B	381 in ³ 5.25"H x 7.25" W x 10"D 17.5 lbs	✓ Red Hat Linux 7	✓ AES, 256 bit, FIPS 197, FIPS 140-2
 TuffServ 282	300 MB/sec	4 TB + 512 GB (2 modules)	NFSv4, NFSv3, CIFS/SMB, FTP, TCP	1 Gig-E Fibre Channel IP 1553B	475 in ³ 9"H x 4.8"W x 11.0"D 14.6 lbs	✓ Red Hat Linux 6	✓ AES, 256 bit, FIPS 197
 TuffCORD	250 MB/sec	4 TB	NFSv4, NFSv3, CIFS/SMB, FTP, TCP, UDP	1 Gig-E Video 1553B	109 in ³ 3.6"H x 4.8" W x 6.3"D 5.5 lbs	✓ Red Hat Linux 7	✓ AES, 256 bit, FIPS 197 FIPS 140-2
 miniRv2	1 Gb/sec	1 TB	HD/SD Video, 1553B, Analog, Ethernet, etc.	1 Gig-E 100/10 Base-E	82 in ³ 4.25"H x 4.12"W x 4.66" D 43 oz	✓ Red Hat Linux 7	✓ AES, 256 bit, FIPS 197
 AMux 1000	1 Gb/sec	N/A	HD/SD Video, 1553B, Analog, Ethernet, etc.	1 Gig-E 100/10 Base-E	105 in ³ 2.9"H x 4.25"W x 8.5"D 39 oz	✓ Red Hat Linux 7	✓ AES, 256 bit, FIPS 197
 CAR	200 MB/s	2 TB	INET, IENA, DAR, NFSv4, NFSv3, CIFS/SMB, FTP, TCP, UDP, IP	Video, 1553B Additional Ethernet and others	62 in ³ 4.8"H x 1.7"W x 7.5"D 5 lbs	✓ Centos Linux 7	✓ AES, 256 bit, FIPS 197

Command Center & Communication Vehicles. Ensuring Successful Mobile Operations. Safe & Efficient. Custom Solutions. Built To Your Needs. Scalable Designs. Types: Light Duty Vehicles, Medium Duty Vehicles, Heavy Duty Vehicles, Light Duty Trailers.

Full Comms in under 6 minutes!



AIT provides avionics bus and network solutions that work everywhere- from the system integration lab, to ground support, to fully ruggedized flight environments.



Interfaces & Test Instruments

Available in a wide range of form factors including PXI Express, PCI Express, XMC, USB, VME, & VXI, and for multiple avionics bus & network technologies.



Integrated Avionics System Solutions

Combining our Engineering Expertise, Avionics Interface Instruments, and Software Solutions to offer integrated systems for a variety of applications.



Data Loader Tools

PDLs for line maintenance, Bench & Shop Loaders for the lab and maintenance shop, and ARINC 615A Target and Loader Software stacks and development kits. We also provide solutions for managing Loadable Software Parts. This includes ARINC 665 Media Builders and Aircraft Fleet Management software.



Avionics Network Solutions

High speed avionics Network Interface Controllers (NIC), Switching Systems, and Flight Test Network solutions. We are experts in the latest technologies.

MIL-STD-1553

ARINC - 429

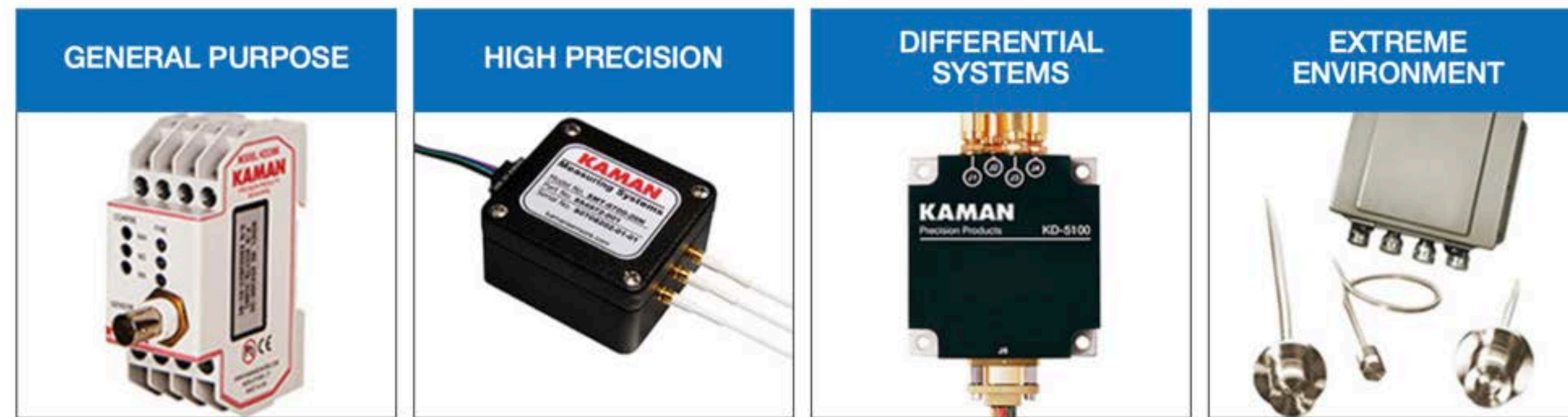
GigE & 10G

ARINC 664/AFDX

HS1760



Kaman Precision Products – Measurement Division is a worldwide leader in the design and production of high-performance, precision non-contact position measuring systems using inductive, eddy current technology. Our solutions can be configured, custom engineered, and manufactured to meet the needs of any application. A staff of experienced applications engineers helps customers select the appropriate solution.



AVCOM of Virginia is a vertically integrated technology company with 30 years of experience in the design and manufacture of commercial high quality, spectrum analyzers and signal monitoring products, in the USA.

Spectrum Analyzers

Portable

Low Cost

Simple Software

Modules

Rack Mounted

NEW!...EVO GUI Software
Graphical User Interface

- Remote Control Over IP
- No License-No Keys-No Fees
- Signal Recording
- Shape Alarm
- Up To 8 Markers
- Windows OS
- Up To 16 Analyzer Windows
- Supports EVO Series & Legacy Analyzer Models

And Coming Soon!...DVB Demodulation
for EVO-RSA-6070A Analyzer

AVCOM Of Virginia Inc.
www.avcomofva.com - salesrfq@avcomofva.com
Sales Tel: +1 407-574-2450 - Main Tel: +1 804-794-2500



Delta Digital Video's highly reliable Rugged Video Encoders are designed for airborne, ground-mobile, and shipboard environments. Our Rugged Video Encoders compress and multiplex sensor video, audio, and metadata for real-time, low latency transmission to remote ground stations and downstream processing, exploitation, and dissemination (PED) systems.

- Rugged Video Encoders
- Commercial Video Encoders
- Commercial Video Decoders
- Video Codecs
- Video Distribution Systems
- Video-to-Video Scan Conversion
- Stroke-to-Raster Scan Conversion



Dynamic Solutions for a Testing World. From ultra-portable to rack mounted data acquisition systems, through targeted simple-to-use monitoring and analysis software, to high-performance low cost of ownership data management systems; **HGL Dynamics** provides truly integrated solutions for your measurement needs.

Data Acquisition

Low to High Channel Count

Analysis

Gig E Connectivity

Archiving

24-bit ADC, >114dB

Integrated Signal Conditioning



Summation Research, Inc. (SRI) is an engineering and manufacturing company providing high performance data acquisition, satellite telemetry, and communication products and systems to defense, government and commercial markets worldwide.

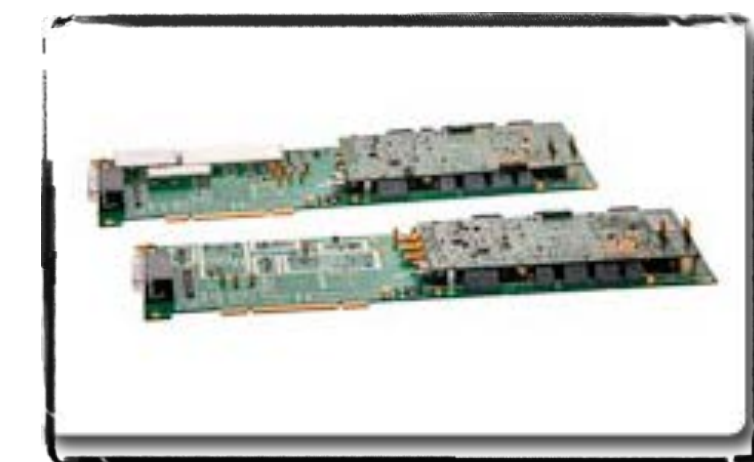
SRI's Satellite Telemetry and Range Telemetry Equipment operates in common Commercial and Defense frequency bands, supporting flight control, data networking, ranging, image data, and TT&C requirements. Our Land Mobile Radio products support data acquisition and communications in transportation, Supervisory Control.

Demodulation, Bit Synchronization and Decoding of Main and/or Subcarriers

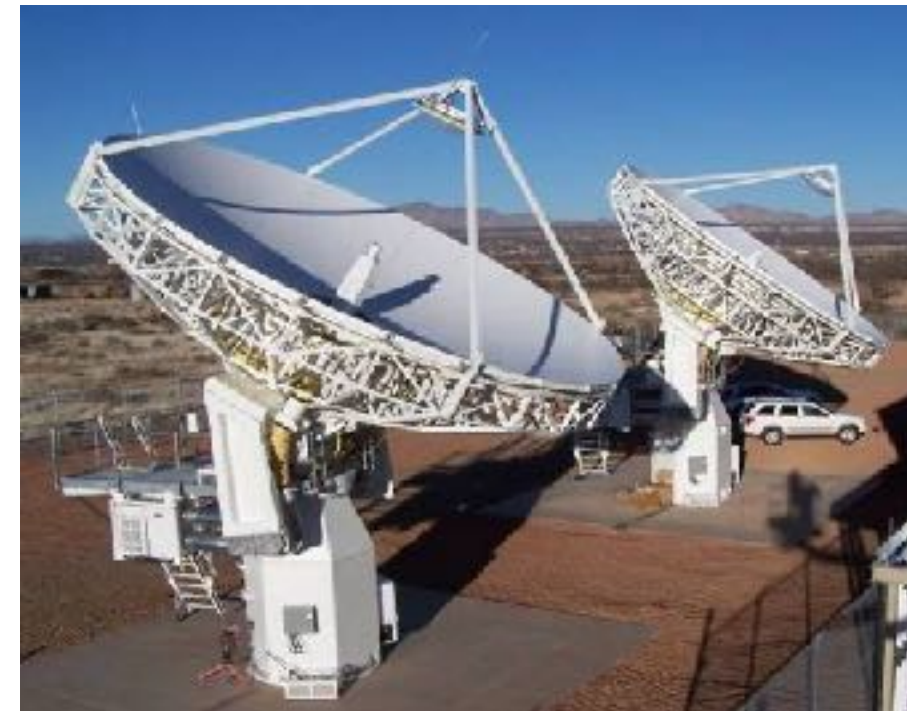
Integrated Programmable Waveform Generator, Modulator, Noise Generator, Up-converter and BER Test System

Rf Exciter and Test Transmitter

Multi Mission Demodulator/Bit Sync/Decoder



Viasat designs and manufactures antenna systems that lead several satellite communication markets. Worldwide installations include over 100 gateway systems for the most advanced satellite communication networks in the world. These gateways tie broadband satellite networks into high-speed fiber that forms the internet backbone.



Multiple Frequency Bands
L, S, C, X, Ka, Q, V

Antenna
Controllers

Fixed

Turn Key

High Rate
Modems &
Processors

>6 Gbps
downlink
w/ 10Ge

Shipboard

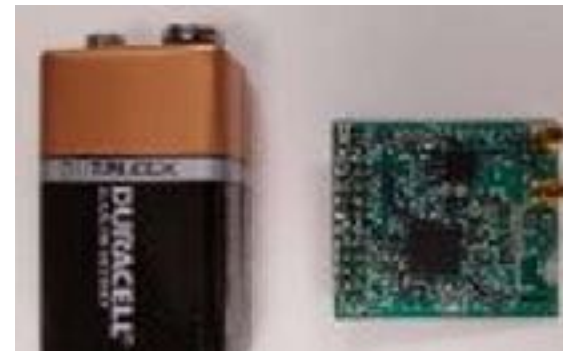
Transportable

Antenna
Systems

2.4M - 22M
Reflectors

Vanteon is a complete electronic systems design and engineering solutions company with technical emphasis on Wireless Solutions. We are based near Rochester, New York. Advanced Custom Embedded Electronics and Software Solutions

Mission: Be the quiet extension of our Client's Product Development Team



**Software Defined
Radios & Signal
Processing**

**Architecture, Design,
Development**

Customers Own IP

**Prototype & Test
Services**



Thank You

Please contact us with any questions: rob@yawpitch.com 616.879.5990