



Trident Space & Defense is a Veteran Owned Small Business. Our heritage dates back to the 1970's as a TRW, Inc. wholly owned subsidiary. Our three primary business lines support world-wide aerospace, military, industrial, and commercial markets:

➤ **Ground Systems**

The design, construction, operation and maintenance of Ground and Test Systems for satellite launch, tracking, command and control

➤ **Electronic Components**

The procurement and supply of electronic components, parts and materials for satellite, launch vehicle and avionics applications

➤ **Advance Products Group**

The manufacturing and supply of Advanced Memory Products for Aerospace, Military, Industrial and Commercial Markets



Trident Space & Defense is Built on **TRW** Heritage

- TRW Components International (TRWCI) was formed by TRW in 1976 for the express purpose of serving the needs of the International space community
- In 1999, TRWCI merged with Cubic Memory to form Vertical Circuits (VCI)
- In 2007, we separated from the commercial division of VCI and formed Trident Space & Defense. The formation of Trident will allow us to return to our TRW heritage, allowing us to better serve our space, military, avionic and industrial customers

Trident Information



- Trident is located in Torrance, California
- For the last 20 years we have occupied the same 30,000 square foot building.
- We have been in business as TRW Inc, Vertical Circuits Inc (VCI) and now Trident Space and Defense for over 30 years.
- The company has approximately 50 employees
- The Ground Systems group average years of experience for our engineering staff is over 20 years.



Ground Systems Overview



- Trident has provided ground system services for over 30 years as TRW Space and Defense, TRW Components International, Vertical Circuits Inc (VCI) and now as Trident Space & Defense.
- Trident has designed, developed, integrated, operated and maintained tracking stations in various difficult and remote locations including: Kwajalein, Okinawa, Christmas Island (Kiribati), Republic of Palau, Guam, and Australia (Metro Perth)
- Trident specializes in project management, system engineering, integration and software development.



Ground Systems Overview (cont)



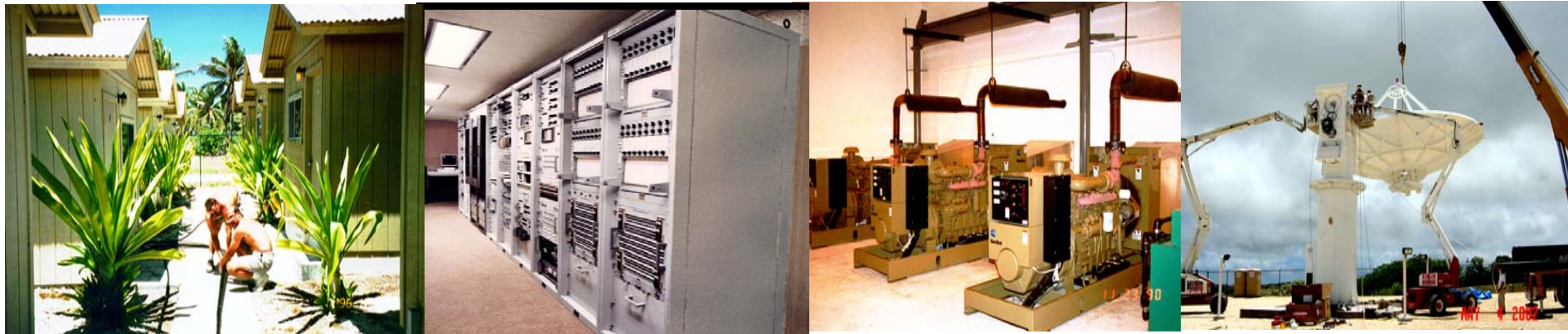
- Trident is not limited to the development of ground stations, we have provided various types of test systems and operating platforms for our customers in support of their space vehicle and ground segment developments.
- All of our systems are custom designed in compliance with specific customer requirements. We pride ourselves on our ability to design and build flexible and innovative solutions incorporating dynamic design concepts to meet our customer's specific requirements.
- Our focus is complete customer satisfaction today and into the future.



Ground Systems Capabilities



- Project Management and Engineering
- System and Software Design and Development
- Civil Engineering and Facility Design and Construction
- Site Operations and Maintenance



GS Capabilities (cont)



Prime Contractor -- Worldwide Turn-key site developer for Tracking / Space Ground Stations and Test Systems

Real Time command and telemetry processing

- Mobile, transportable and fixed sites
- Instrumentation vans and trailers
- Monitor/Control Systems
- Autonomous Operations
- System Fabrication and Integration
- Installations and Field Repairs
- 24/7 Facility Maintenance & Security
- Site Staffing
- Power Generating Facilities
- Logistics and Transportation Solutions / Export Licenses
- Communication Systems – Satellite and Network systems



System Integration/Software Development



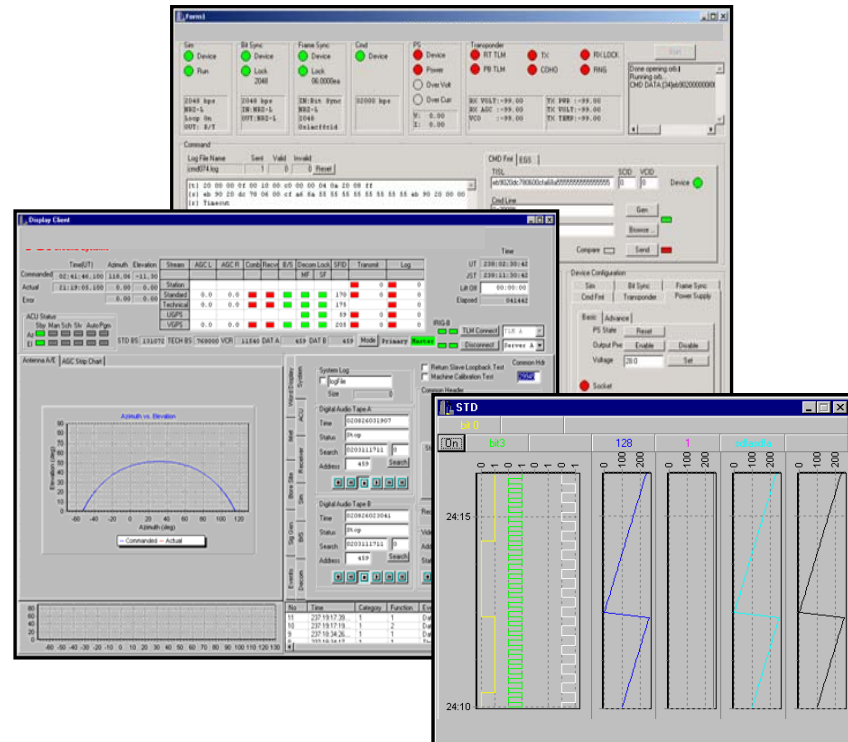
- Systems Engineering and Integration is of prime importance for customer value and success.
- Our integration experience includes a strong software development background in operations and test. This includes experience in various software suites such as:

- ✓ Development Languages:

- Borland C++
- Visual C++
- Java

- ✓ Development Environments:

- Borland
- Visual Studio
- Boa (Python)
- Eclipse
- Netbeans (Java)



✓ Scripting Languages:

- Python
- Ruby
- PHP

✓ Web Development Applications:

- Rails

✓ Array Operations Environments:

- Matlab
- Pylab

✓ Source Versioning Systems:

- RCS
- Visual Source Safe
- CVS
- Subversion

✓ Object Brokers:

- Jacorb
- Visibroker
- TAO/ACE

✓ Operating Systems:

- Mac OSX
- Windows NT, 2000, XP
- Linux (SUSE, Red Hat, Ubuntu)

✓ Realtime Operating Systems:

- VxWorks
- RTAI (Linux)

Quality Management System



➤ Quality Certification

✓ ISO 9001:2000 Certified

- ANSI-ASQ National Accreditation Board (ANAB)
- Original certification December 1994

✓ MIL-Q-9858A, MIL-I-45208 and NHB5300.4(1C)

Compliancy

✓ Fully Documented

- Policy / Procedures
- Work Instructions
- Records maintenance



Contact Information



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