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L-3 TELEMETRY-EAST WINS EDWARDS AF BASE AWARD

BRISTOL, PA. October 15, 2010 – L-3 Telemetry-East has recently been awarded an IDIQ (Indefinite Delivery, Indefinite Quantity) contract from Edwards Air Force Base to supply their next generation crypto products for both airborne and ground applications for the next five years.

The units in the contract include the KGR-135A, SP10-135A and ISM1000. These newly developed products are being installed by the Air Force to modernize their encryption capabilities for flight test.

“We are pleased to be able to support the Air Force in their range modernization efforts,” said Marc Lienard, President of L-3 Telemetry-East.

“The technology we’ve developed provides a vital capability to the telemetry systems being deployed.”



**SP 10-135A
Encryption
Package**

UPCOMING EVENTS

AUSA—ASSOC. OF US ARMY

When: 25-27 October
Where: Washington, DC

INT’L TELEMETERING CONF.

When: 25-28 October
Where: San Diego, CA

NDIA COAST GUARD EXPO

When: 2-4 November
Where: Tampa, FL

FOCUS - OCTOBER 2010

Published for customers of L-3 Telemetry & RF Products Group.

SEND FEEDBACK TO:
Focus.TW@L-3Com.com

L-3 TELEMETRY-WEST WELCOMES LOCAL CONGRESSMAN

SAN DIEGO, CA. September 8, 2010 – California’s 52nd District Congressman Duncan D. Hunter visited L-3 Telemetry-West on his tour of over a dozen San Diego area businesses representing a wide variety of industries, in order to continue hearing directly from local businesses and job creators about the challenges of today’s economy.

With San Diego’s unemployment rate at ten percent and California still losing jobs – 526,000 since the stimulus was signed into law – area job creation remains one of Congressman Hunter’s foremost priorities.

“I always value the opportunity to sit down with local businesses; these visits help shape my perspective on the best course forward,” said Congressman Hunter.

Hunter is a strong proponent of restoring U.S. manufacturing – particularly America’s commercial and defense industrial bases, which have lost millions of jobs in recent years due to America’s imbalanced trade policy with China and other global partners.

“American manufacturing continues to deteriorate, with millions of jobs once held by U.S. workers now overseas and potentially more on the way,” said Congressman Hunter.

“Along with these jobs, we are losing expertise and innovation in defense and commercial manufacturing. We are at a critical point, but if we choose to keep in place the same trade policies that put foreign interests above our own, our nation’s manufacturing base will continue its decline and eventually be incapable of competing on the global stage. American manufacturing is what got us to where we are today, and we must preserve and strengthen production to lead us into the future.”

See Congressman p.5



**Congressman Duncan Hunter
Speaks at L-3 TW**

Ground Telemetry



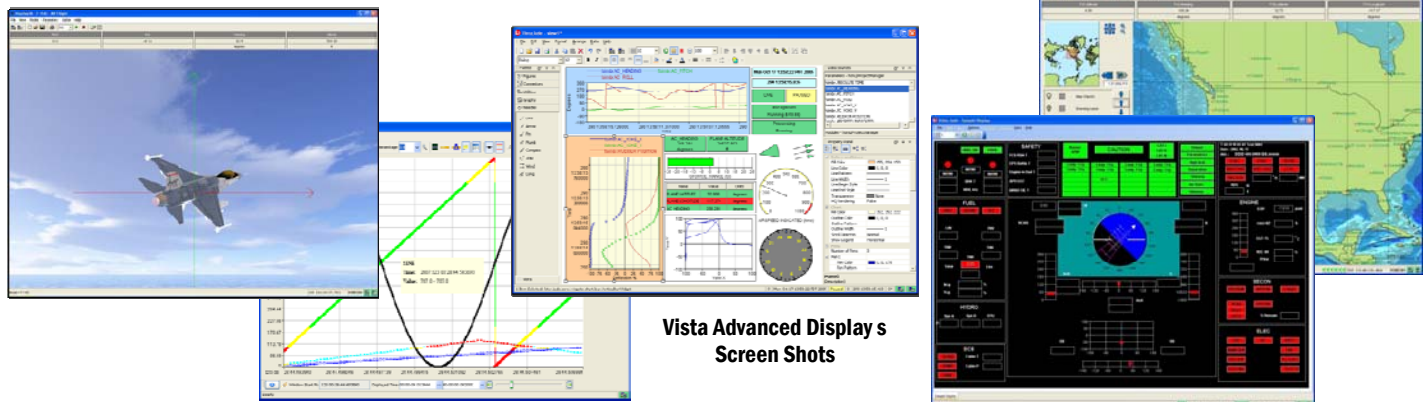
L-3 TELEMETRY-WEST INTRODUCES VISTA ADVANCED DISPLAYS—DATA VISUALIZATION SOFTWARE

SAN DIEGO, CA. October 15, 2010 — L-3 Telemetry-West (L-3 TW) introduces Vista™ Advanced Displays (VISTA-DISP-ADV), an integrated software application allowing display of instrumentation data in a wide variety of formats. Both real-time and post-test archive data can be displayed by the VISTA-DISP-ADV software applications.

VISTA-DISP-ADV is comprised of 4 separate display applications. Developed as Java applications, the product offers true multi-platform support.

1. **VISTA-JADE-EDIT - JADE™** is a unique real-time display application developed by L-3 TW for users needing a flexible method for displaying data in an array of custom display formats. JADE features an intuitive user interface while using a “drag and drop” method to instantly animate displays.
2. **VISTA-MICRO - Microscope** is a post-test display and analysis tool for parameter data allowing plotting of multiple parameters from a data archive file in a single strip chart or a series of stacked strip charts.
3. **VISTA-DISP-3D** - The 3D display application provides visualization of a three-dimensional model where the orientation of the model may be controlled by acquired/processed input data.
4. **VISTA-DISP-MAP** - The map display application provides visualization of parameterized data overlaid on commercially available GIS data.

For more information, go to www.L-3com.com/TW



L-3 TELEMETRY-EAST HOLDS THE WINNING CARD

BRISTOL, PA. October 15, 2010 — With the new DMTS-4001, L-3 Telemetry East (L-3 TE) delivers features and performance which leave the competition behind. The DMTS-4001 packs an abundant amount of functionality into a short PCI card. The DMTS-4001 is a dual multi-band telemetry receiver with tracking capabilities and integrated bit and frame synchronizers on a single PCI short card.

Features include: frame sync, bit sync, dual independent channels with a combiner, built-in instrumentation and a user-friendly interface (GUI) that allows easy installation, calibration, configuration and monitoring of the product.

None of the competition has all this functionality on one card, let alone on a short card. Competitors currently use either two or three cards. Additionally, most competitive receivers are built with data rates of 25 Mbps. The DMTS-4001 was designed for data rates up to 40 Mbps, along with other features that were added with the future of telemetry in mind.

The DMTS-4001 will be displayed at the International Telemetry Conference in San Diego, CA, Oct 26-28. It will be integrated with the latest L-3 TE ST-5000 Transmitter, demonstrating the most advanced performance in a closed-loop system.

Additionally, L-3 TE will present five white papers at the conference describing this and adjacent technology. For more information, go to www.L-3com.com/TE.



DMTS-4001 Receiver

Airborne Telemetry

L-3 TELEMETRY-EAST PACKS MORE POWER AND PERFORMANCE INTO THE ST-5000 TRANSMITTER

BRISTOL, PA. October 15, 2010 – L-3 Telemetry-East (L-3 TE) introduces a new generation of ST-5000 telemetry transmitters with the fully qualified S-Band and the full-band, higher power C-band series. The ST-5000 family of transmitters is designed for operation in environments where size, weight, and power efficiencies are critical. The new ST-5000 series extends battery life and features ultra-high power efficiency, full isolation, and serial-loading programmability.

L-3 TE teamed with L-3 Nova Engineering to bring C- and S-Band capabilities to the telemetry marketplace. The new ST-5000 units continue the success of L-3 TE's ST-800, 3000 and 4000 series of transmitters in a new generation.

The ST-5000 S-band is available in programmable 2, 5, and 10 watt versions, while the C-band version is available in programmable 2, 5, 10 and 15 watt versions. S-band frequencies are adjustable in 0.5 MHz steps from 2200 – 2400 MHz. C-band frequencies are also adjustable in 0.5 MHz steps from 4400 – 4950 MHz and 5050 – 5250 MHz in a single unit.

Center frequency, deviation sensitivity, and other features can be programmed through a serial communications port using a PC. The ST-5000 three internal modules (modulator, regulator, and power amplifier) are housed in separate machined enclosures to maximize RF isolation, while providing a rigid and robust mechanical design that will withstand the harshest of missile, weapons, and aircraft environments.

Demonstrations of the S- and C-band Transmitter will be available at the International Telemetry Conference in San Diego, CA, Oct 26-28.

For more information, go to www.L-3com.com/TE.



ST-5000C Transmitter

L-3 TELEMETRY-WEST OFFERS FLIGHT TERMINATION RECEIVER

SAN DIEGO, CA. October 15, 2010 L-3 Telemetry-West (L-3 TW) is proud to offer the FTC-100, a miniature airborne flight termination receiver that serves as a Mil-Std-1512 compliant interface of the Flight Termination command and power circuits (flight termination receivers and flight termination batteries) to the Flight Termination squib firing lines. The FTC-100 is designed specifically for range safety applications and possesses features that have resulted in approval for use at several different test ranges.

Each FTC-100 module contains two separate squib firing outputs with a qualified output capability of 5 amps each for 50 msec. Once safe separation from the carriage vehicle is attained (Safe Separation = Vehicle Launch + Patience Period), the Flight Termination System firing circuits are enabled and may respond to a termination command.

The FTC-100 Receiver will be on display at the International Telemetry Conference in San Diego, CA, Oct 26-28. For more information, go to www.L-3com.com/TW.



FTC-100 Flight Termination Receiver

L-3 TELEMETRY-EAST DEVELOPS NEW WIRELESS ROTOR DATA ACQUISITION PACKAGE

BRISTOL, PA. October 15, 2010 – L-3 Telemetry-East (L-3 TE) introduces a new wireless rotor data acquisition package, addressing the long-standing problem of passing helicopter rotor data through slip rings. As data rates continue to rise, it is becoming increasingly difficult to move that data from a rotor to the aircraft fuselage reliably across the rotating slip-ring boundary.

L-3 TE's rotor package employs revolutionary Mesh MANET (Mobile Ad Hoc Network) wireless technology, which solves the problems encountered by more traditional wireless technologies when subjected to motion. The rotating package can be battery-powered to eliminate physical wire connections to the aircraft and can include built-in solid-state data storage for situations requiring RF silence.

The package also includes its own GPS time source, allowing precise time synchronization with data collected elsewhere in the aircraft.

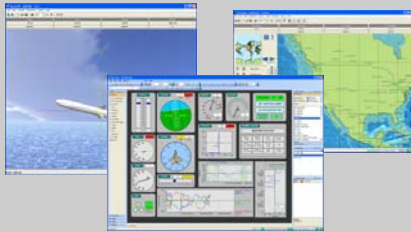
L-3 TE will highlight its wireless technologies at International Telemetry Conference in San Diego, CA, Oct 26-28.

For more information, go to www.L-3com.com/TE.

INT'L TELEMETERING CONFERENCE (ITC) 2010

PRODUCT LAUNCHES

VISTA™ ADVANCED DISPLAYS



ST-5000C TRANSMITTER



When there is no margin for failure.

See the latest from L-3 at ITC/USA 2010
SAN DIEGO, CA | OCTOBER 26-28, 2010
TOWN AND COUNTRY HOTEL & CONVENTION CENTER
IN BOOTH 1402



L-3com.com

PAPERS PRESENTED AT ITC 2010

MULTI-H CPM BY: PAUL DOURBAL, L-3 TELEMETRY-EAST

Describes factors most significantly affecting performance of telemetry receiver for ARTM-CPM signal. Those factors are intersymbol interference and phase noise.

ST-5000C BY: JEFFREY WANG, L-3 TELEMETRY-EAST

Presents architecture and design efforts for L-3's 3rd generation telemetry transmitter ST-5000. A Modulator/Upconverter with a low phase noise PLL synthesizer, a highly efficient and rugged power amplifier module with the multistage GaN HEMT devices and a high power density buck-boost power supply are discussed.

CH-53K HYBRID SOLUTION BY: CHRIS DEHMELT, L-3 TELEMETRY-EAST

Describes the instrumentation requirements for the CH-53K program which includes features, tools and performance of its data acquisition system, which combines the benefits of legacy PCM and modern networked system architectures.

IHAL BY: JOE SULEWSKI, L-3 TELEMETRY-EAST

An approach towards achieving standards-based multi-vendor hardware configuration. This approach uses the Instrumentation Hardware Abstraction Language (IHAL) and a standardized web service Application Programming Interface (API) specification to allow any Instrumentation Support System (ISS) to control instrumentation hardware in a vendor neutral way without requiring non-disclosure agreements or knowledge of proprietary information.

WEB SERVICES IN FUTURE T&E BY: JOE SULEWSKI, L-3 TELEMETRY-EAST

Presents ways in which web services can be used in future T&E scenarios, from the initial hardware setup to making dynamic configuration changes and data requests. We offer a comparison of this approach to other standards such as SNMP, FTP, and RTSP, describing the pros and cons of each.

In the News.....

L-3 TELEMETRY-EAST AWARDED ORDER FOR KEY INET EQUIPMENT

BRISTOL, PA. October 15, 2010 — L-3 Telemetry-East (L-3 TE) won an award from CSC Applied Technologies for five different units to be used in the U.S. Government's integrated Network Enhanced Telemetry (iNET) program. These boxes address key functions in the "next-generation" iNET architecture and reflect L-3's long-term commitment to, and investment in, relevant iNET technologies.

The awarded items include: 1. Latency/Throughput Critical Data Acquisition Unit (LTC DAU) - adds iNET functionality to L-3 TE's existing networked data acquisition unit; 2. Latency/Throughput Critical Recorder (LTC Recorder) - provides iNET capability in an extremely compact and high-capacity networked recorder; 3. Grand Master Clock and Ethernet Switch — which combines IEEE-1588 Grand Master Clock and eight-port gigabit Ethernet switch capabilities together in a small, rugged and lightweight package; 4. Vehicle Network to Serial Streaming Telemetry (vNET to SST) Adapter — converts packetized network data to traditional serial PCM data; 5. Serial Streaming Telemetry to Vehicle Network (SST to vNET) Adapter — which converts traditional serial PCM data to packetized network data.

These devices will employ L-3 TE's versatile new "iNET App" software that allow them to communicate and interact on a network as prescribed in the emergent iNET standards. For more information, go to www.L-3com.com/TE.

L-3 T&RF PRODUCTS REP FOCUS

DELMARVA ENGINEERING - MANUFACTURERS' REPRESENTATIVE SERVING THE EAST COAST

Delmarva Engineering, located in Crownsville, MD started representing L-3 Telemetry & RF Products Group (L-3 T&RF Products) (which includes Telemetry-West, Telemetry-East and Southern California Microwave) in 1990 and has represented them ever since. They currently represent additional L-3 divisions; Narda Microwave-West, ESSCO and Wolf Coach. The company started in 1977 with territories covering Maryland, Virginia, Washington DC and the Carolinas.

Bill Parker, President of Delmarva Engineering says that with the defense industry bracing for significant cut backs over the next 2-5 years, competition will increase and put pressure on prices while companies seek to replenish shrinking backlogs. Major program starts will decrease, while the smaller, more granular opportunities will become the norm. Even while defense budget cuts hover, Mr. Parker remains optimistic about future business for L-3 Telemetry & RF Products Group.

He says, "The outlook for L-3 T&RF Products in the Delmarva territory continues to be strong thanks in large part to the centralization of funding in our nation's capital and the effects of the recent BRAC (Base Realignment & Closure)."

He believes L-3 T&RF Products is poised to take advantage of these changes, including the US Navy's implementation of IP-based architectures for flight test. This will offer opportunities for network based airborne data acquisition systems and next generation ground processors. The smaller satellite platforms for reconnaissance and surveillance supported by many local primes and government labs will gain traction over the larger "Battlestar Galactic" programs of the past.

Additionally he anticipates opportunities for satellite command and control systems (InControl™) as heritage systems become outdated and users look for alternatives.

He states, "These smaller platforms fit with L-3's aggressive product development and technology, and we at Delmarva look forward to continuing our long and successful relationship with L-3 T&RF Products."

For additional information about Delmarva Engineering, go to www.delmarva-eng.com.



DELMARVA
ENGINEERING

CONGRESSMAN - CONTINUED FROM P.1

Soon after our nation was attacked on September 11, 2001, Hunter quit his job and joined the United States Marine Corps. Over the course of his service career, Hunter served three combat tours overseas: two in Iraq and one in Afghanistan.

In 2008, Hunter was elected to his first term in the House of Representatives, succeeding his father, Duncan L. Hunter, who retired after serving 14 consecutive terms in Congress.

Less than two years before Hunter was elected, he was recalled to active duty and deployed to Afghanistan. Hunter returned home after more than six months on the front lines and, with the support of the San Diego community, became the first Marine combat veteran of the wars in Iraq and Afghanistan elected to Congress.

Congressman Hunter represents California's 52nd district consisting of East and North County San Diego, where both L-3 Telemetry-West and Southern California Microwave are located.

For more information on Congressman Duncan D. Hunter go to, www.hunter.house.gov.

RECENT LAUNCHES WITH OUR PRODUCTS ON BOARD

U.S. AIRFORCE LAUNCHES 1ST AEHF SATELLITE



AEHF-1 Launch
Credit: Pat Corkery/ULA

August 14 , 2010 Cape Canaveral Air Force Station, Fla. — The U.S. Air Force successfully launched the first Advanced Extremely High Frequency (AEHF) communications satellite aboard an Atlas 5 rocket.

The AEHF satellites, being built by Lockheed Martin Space Systems of Sunnyvale, Calif., will replace the current generation Milstar satellites for handling the U.S. military's most critical satellite communications traffic, including nuclear command and control.

For more information on the launch, go to: www.spacetoday.com

L-3 Telemetry-West provided multiple encryption units for this program.

RECENT ACTIVITIES

L-3 TELEMETRY HOSTS GMD (GROUND BASED MIDCOURSE DEFENSE) FOD COUNCIL SEMI-ANNUAL CONFERENCE

SAN DIEGO, CA., August 18, 2010 — L-3 Telemetry-West (L-3 TW) hosted the GMD (Ground-based Midcourse Defense) FOD (Foreign Object Debris) Council Conference which included highlighting and honoring recent FOD successes of L-3 TW. The goal of the conference is to share best practices amongst Boeing GMD Program suppliers for FOD prevention. 13 different DoD suppliers sent representatives to the conference in San Diego, CA.

The conference included L-3 TW plant tours, various presentations from L-3 TW executives and the Director of L-3 Communications Corporate Quality Management, John Stine. The event ended with a very informative and engaging panel discussion with members of the L-3 TW "FOD Squad".

The L-3 TW FOD Squad answered questions from the conference participants. Questions ranged from FOD prevention implementation strategies and frustrations to highlighting the successes realized by a focused effort on Foreign Object Elimination.

Terry Poston, FOD Program Lead at Boeing presented Matt Strickland, conference organizer and L-3 TW EH&S/FOD/ESD Manager with a Pride@Boeing "Best In Class" award for his earnest and outstanding dedication in providing the GMD Program with a FOD Prevention program that is being recognized industry wide.

"This is not a one man job. We at L-3 TW are proud of the successes we've accomplished as a whole organization. We understand that FOD must be addressed on a daily basis." said Mr. Strickland.

He continues to say, "Our country and its war fighters are dependent on us to ensure our products function the first time, every time. FOD control needs to become part of the culture, not a task."



Matt Strickland
EH&S/FOD Manager
L-3 Telemetry-West



L-3 TW FOD Squad
Jamey Scheuring, Leticia VanGorden, Nicole' Pantig, Tom Sherman, Kim Quach

Q&A WITH L-3 TELEMETRY-WEST

L-3 TELEMETRY-WEST APPOINTS NEW VICE PRESIDENT OF BUSINESS DEVELOPMENT

SAN DIEGO, CA., August 23, 2010 — L-3 Telemetry-West (L-3 TW) announced today the appointment of James Yates as the Vice President of Business Development. Mr. Yates will also coordinate all Business Development activities for L-3 Telemetry & RF Products Group. James has been with L-3 Communications since March 1997, first in the capacity of Marketing Manager and then promoted to the Director of Business Development at L-3 TW in 2001.

Mr. Yates has been the Acting VP of Business Development for Telemetry-West since April 2010 and brings a wealth of industry experience, as well as enthusiasm to this position. He was previously employed at Northrop Grumman for 11 years.

Mr. Yates succeeds Glenn Flaherty who was recently named General Manager of L-3's RCCS division.

We asked Mr. Yates some pertinent industry and organization questions.

Question: What are the main trends you are seeing in the Telemetry industry today?

Answer: For aeronautical telemetry applications, the biggest change coming is the adoption and/or adaptation of commercially based wireless and networking technologies. This includes borrowing from most (if not all) of the OSI model layers and leveraging advanced single- and multi-carrier modulation techniques, network and transport layers modified for issues such as Doppler and derivatives that impede reliable message flow control, network-based encryption and control, and management protocols such as SNMP. Implementing these technologies will bring reliable bidirectional connectivity to what has exclusively been a one-way communications domain, enabling increased spectral efficiency, but probably even more important, a wide variety of new applications for which we can only begin to imagine the benefits.

For satellite telemetry commanding requirements, the trends are a movement up in frequency bands, higher data rates and more spectrally efficient waveforms where new bands aren't available. On the payload side, we continue to see requests for more complex multi-carrier waveforms and commercial information assurance technologies.

Question: What specific growth areas is T&RF Products pursuing?

Answer: This is kind of a "loaded question" as we continue to put our energies and focus on supplying our customers with improved quality and more reliable products, reducing lead times and competitive costs. We understand that in the markets we serve, our customers have choices, and our continued drive to improve execution is a discriminator that will help drive growth.

Having said that, we continue to research and invest in those enabling technologies that will improve the products we are known for in the markets we support today. Progressive packaging techniques for size, weight and power reductions; advanced waveform development; coding schemes; high-efficiency power amplifiers, new information assurance algorithms; and methods, techniques and components that support higher frequencies and data rates are just a few of the areas we are pursuing.

Question: Are you worried about the decline in defense spending?

Answer: Although U.S. military spending will reach an all-time high next year, the Pentagon budget is very likely to face steady cuts over the long term, mainly as a result of increasing pressure to reduce our ballooning national debt. In light of this, we have been carefully positioning ourselves to enter some lateral commercial market spaces.

Additionally, the defense areas we currently serve are in the few areas of growth for the Department of Defense, including unmanned systems and space and intelligence. So the fair answer is we believe we are well-positioned for growth, even with upcoming budgetary changes.

We plan on remaining a company that provides advanced communication products and solutions to customers facing some of the world's harshest environments and most complex technical requirements, and doing so while continually improving our processes, performance and products.



James Yates
VP of Business Development
L-3 Telemetry & RF Products



Telemetry & RF Products

Today, L-3 Telemetry & RF Products serves commercial, military and civilian customers worldwide with a product offering that includes TT&C satellite transponders, satellite command and control software, high-power amplifiers, high-reliability receivers/transmitters, encryption/decryption units, video compression/decompression units, tactical intelligence UHF/HF and microwave radios, telemetry ground system components and solutions, specialized telemetry and surveillance products, telecommunications products and specialized networks, and advanced technologies in SIGINT, SEI, and Geolocation.

L-3 Telemetry & RF Products Group is made up of the following companies:

ADVANCED TECHNOLOGY & SYSTEMS

SOUTHERN CALIFORNIA MICROWAVE

TELEMETRY-EAST

TELEMETRY-WEST



L-3 Advanced Technology & Systems

355 Ravendale Drive | Mountain View, CA 94043

Phone: 650-961-9400 | Website: www.L-3com.com/ATS

L-3 Advanced Technology & Systems is a provider of SIGINT Systems Engineering, Specific Emitter Identification, Novel Geolocation Techniques, RF Polarimeter Processing, Technical Studies & Analyses, Software Development, and Rapid Prototyping.



L-3 Southern California Microwave

2732 Via Orange Way, Suite E | Spring Valley, CA 91978

Phone: 619-670-3414 | Website: www.L-3com.com/SCM

L-3 Southern California Microwave is a leading manufacturer of microwave transmitters, receivers, power amplifiers, repeaters and antennas for military test ranges, UAVs, RPVs, UGVs, robots and law enforcement agencies. Additionally, L-3 SCM provides standard FM PCM telemetry systems.



L-3 Telemetry-East

1519 Grundy's Lane | Bristol, PA 19007

Phone: 267-545-7000 | Website: www.L-3com.com/TE

L-3 Telemetry-East is a preeminent supplier of airborne telemetry products and systems for the aircraft and missile flight test, airborne telemetry and ground receiver markets. Additionally, L-3 TE is a worldwide supplier and integrator of quality telecommunications products and end-to-end communications solutions.



L-3 Telemetry-West

9020 Balboa Ave | San Diego, CA 92123

Phone: 858-694-7500 | Website: www.L-3com.com/TW

L-3 Telemetry-West is a premier provider of tailored flight hardware and systems solutions for missile, UAV and spacecraft telemetry, tracking and control (TT&C); software & HPAs for satellite command & control; COTS telemetry ground system solutions; tactical intelligence receivers; and terrestrial HF and microwave radios.

How do we measure up? www.L-3Com.com/TW/VOC