

# SpaceData

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## **SpaceData's SeismicStar transfers 422 gigabytes of seismic data in one day directly from the Western Patriot off the coast of Brazil to WesternGeco's facility in Houston.**

*World's fastest seismic data transfer record by satellite*

**McLEAN, Va., February 1, 2001 /PRNewswire/** – SpaceData International announced today a world record seismic data transfer by satellite during successful sea-trials with the newly formed Baker Hughes (NYSE:BHI) and Schlumberger (NYSE: SLB) business unit WesternGeco on the seismic exploration vessel the Western Patriot equipped with SpaceData's SeismicStar system. SpaceData's SeismicStar is the fastest commercial satellite transmission system in the world. WesternGeco is the largest seismic services company in the world.

SpaceData's SeismicStar has transferred over 7.9 Terabytes of marine seismic data to date directly from the Western Patriot seismic vessel operating off the coast of Brazil back to WesternGeco offices in Houston. Averaging over 91 Gigabytes per day, and a one-day transfer record of 422 Gigabytes, SeismicStar transferred WesternGeco's marine seismic data in world record time.

SpaceData's SeismicStar is a new service for the marine seismic exploration segment of the Exploration & Production (E&P) sector of the gas & oil industry. Designed to transmit data at 311 Mbps directly from operational seismic exploration vessels worldwide, SpaceData's SeismicStar provides a complete end-to-end seismic data transfer service for the gas and oil industry mapping the sub-ocean floors to locate and manage drilling sites for new and existing oil and gas reservoirs.

Under a SpaceData contract General Dynamics Worldwide Telecommunications System (GD-WTS), a business unit of General Dynamics (NYSE: GD), SeismicStar is assembled, integrated, tested, installed, and remotely operated onboard the Western Patriot. General Dynamics is also responsible for operating SeismicStar network's terrestrial earth stations and high-speed fiber connectivity to terrestrial supercomputers for seismic exploration data processing. The SpaceData Control Center (Las Cruces, NM), built and operated by GD-WTS, is providing operational control and maintenance for the entire end-to-end worldwide SeismicStar system.

SpaceData's SeismicStar terminals are installed on ocean-going seismic exploration vessels and designed to automatically transfer daily seismic data files by a high-speed 'broadband-on-command' service through the worldwide geostationary fleet of NASA Tracking and Data Relay Satellite System (TDRS), under a SpaceData contract with Lockheed Martin's CSOC, to ground station facilities in the United States and then by dedicated fiber to customer's supercomputers for data processing. Today these seismic vessels gather and store very large data files on tape on a daily basis. These tapes are physically transferred on the occasions when supply vessels or helicopters can reach the vessels and remove the data tapes for later shipment or hand-carry to terrestrial sites for eventual processing and evaluation.

### **About SpaceData International**

SpaceData International LLC was established in 1998, based in McLean, Virginia, to provide very high-speed 'broadband-on-command' satellite transmission of gigabyte-size data files utilizing a constellation of NASA geostationary satellites. Through a series of alliances with other service providers, SpaceData will own or operate satellite communications facilities worldwide. Additional information illustrating SpaceData is available by contacting Jay Gnowles a [jknowles@spacedata-int.com](mailto:jknowles@spacedata-int.com).

### **About General Dynamics Worldwide Telecommunications Systems**

General Dynamics Worldwide Telecommunications Systems, a business unit of General Dynamics (NYSE: GD), engineers, furnished, installs, maintains and supports a full range of communications systems and information networks, including asynchronous transfer mode (ATM) and Gigabit Ethernet (Gig-E) networks, large digital switches, satellite communications systems, campus distribution systems and wireless networks. Major customers include the U.S. Department of Defense, civilian Federal agencies and commercial telecommunications service providers. More information about General Dynamics Worldwide Telecommunications Systems is available on the Internet at [www.gd-wts.com](http://www.gd-wts.com).

General Dynamics, headquartered in Fall Church, Virginia, employs approximately 43,000 people worldwide and has annualized sales of approximately \$10 billion. The company has leading market positions in shipbuilding and marine systems, land and amphibious combat systems, information systems and business aviation. More information about the company can be found on the World Wide Web at [www.generaldynamics.com](http://www.generaldynamics.com).

SOURCE: SpaceData International LLC

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