

Customer Reference Story – SATCOM Support for Navy NMT Program

→ Situation/Sponsor

A FiberPlex Integrator and reseller handles integration requirements for several large programs under SPAWAR involving multiple DOD Agencies and their Shore and Ship facilities. This non-disclosed agency has sites in Major ports and ships around the world.

→ Critical Issue

The Navy Multiband Terminal (NMT) provides secure, protected, command, control and communications capabilities and will support the exchange of tactical data, imagery, real-time video, battlefield maps and targeting information.

→ Problem

The NMT needs to provide physical and electromagnetic survivability, resistance to jamming and Electromagnetic Interference (EMI), and Low Probability of Intercept (LPI)/Low Probability of Detection (LPD) capabilities against current and projected threats. NMT is an advanced software architecture that will allow the U.S. Navy to substantially increase bandwidth and data throughput of its satellite communications systems, and serve as a bridge to the next generation capabilities.

→ FiberPlex Provided

- FOM-1090 and FOM-1091 convert the serial downlink data up to 20Mbps over fiber
- RMC-5000 16 slot FOM chassis with redundant power supplies.
- FOI-4451 and FOI-4541 convert the serial downlink data up to 6Mbps over fiber with enhanced EMI and LPD support
- RMC-3101 8 slot FOI chassis with redundant power supplies

→ Result

By utilizing a proven combination of FiberPlex products from numerous NMT projects over many years in Ramstein, Germany, Naples, Italy and in Japan this program allows the agencies to move ahead securely and know their solution was rock-solid. These programs were able to improve their Surveillance Coverage over vast distances and in some less than ideal and very challenging conditions.

→ End User Contact Information

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→ **Period of Performance**

NMT began production and roll out in 2010. The program is expected to field more than 350 AEHF NMT terminals to the U.S. and international partners under the production contract. Full roll out of the system continues.

The success of the NMT platform is currently being expanded through technology transfer to other interested agencies.

→ **Support Documentation**

<http://www.secnav.navy.mil/rda/Pages/Programs/NMT.aspx>

<http://www.raytheon.com/capabilities/products/nmt/>