



Thales Communications, Inc. Company Overview

Thales Communications, Inc., a pioneer of software-defined radio (SDR) technology, is a global leader in the development, manufacture, and support of innovative communications systems for warfighters and first responders. The company serves the ground, naval, airborne, and homeland security domains with tactical electronic equipment and information systems that address the technological and environmental challenges presented in real-world situations—especially those with size, weight, and power constraints. Thales Communications serves the U.S. Department of Defense (DoD), U.S. Department of Homeland Security, U.S. civilian agencies, and allied and coalition forces globally.



Thales Communications is part of Thales, a global technology leader for the defense and security, aerospace, and transportation markets. Thales employs 68,000 people throughout the world and generated revenues of \$17.3 billion in 2010. Thales Communications is a U.S. proxy company, considered 100% American by the U.S. Government. As a gateway for international technologies, Thales Communications facilitates the introduction of broader Thales technologies into the U.S. market.

Headquartered in Clarksburg, Maryland, Thales Communications has four Maryland locations as well as in-theater maintenance and repair depots supporting troops in Kuwait, Iraq, and Afghanistan. The company's products are developed and manufactured at its Maryland facilities.

Ground Tactical

Thales Communications changed the way special forces throughout the world do their job by reducing their combat load of radio equipment from 60 pounds to 2 pounds with the software-defined AN/PRC-148 Multiband Inter/Intra Team Radio (MBITR). The unparalleled performance of the AN/PRC-148 MBITR led to Thales' selection by the U.S. Government to develop the AN/PRC-148 JTRS Enhanced MBITR, or JEM. With over 200,000 units deployed, the AN/PRC-148 is the smallest, lightest, and most power-efficient multiband, tactical, handheld radio in use today.

The AN/PRC-148 JEM's Software Communications Architecture (SCA)-compliant platform hosts all of today's core waveforms and enables the integration of program enhancements, future waveforms, and additional modes of operation, all via simple software upgrades. These include HAVEQUICK I/II, ANDVT, MELP, enhanced SINCGARS Frequency Hopping, 56 kbps High Throughput Waveform, Project 25, Over-the-Air Cloning, and SATCOM IW. Waveforms can be loaded onto the JEM's SCA platform based on mission requirements, allowing the radio to be used for a wider variety of applications and providing maximum user flexibility.



The AN/PRC-148 radio is the cornerstone of a complete communications system for warfighters for both mounted and dismounted operations. Vehicular installations, all with cable-free, 2-second radio dismount, include 50 Watt and 20 Watt dual channel and single channel configurations. Other ancillaries include a 20 Watt Man Portable System, 20 Watt and 50 Watt Base Stations, 20 Watt Tactical Repeater, Remote Control Unit with GPS, Mounted Soldier Cordless Communications System, and Universal Battery Charger.

JTRS Leadership



Thales Communications was an early participant in the JTRS initiative, helping to shape the development of the SCA, which is the backbone for the future's network-centric force. An integral player in developing JTRS technology where size, weight, and power are key challenges, Thales was the first company to receive JTRS certification of a product and the first company to deliver JTRS radios to warfighters (AN/PRC-148 JEM). Thales also participates on the Airborne, Maritime, and Fixed Station (AMF), Multifunctional Information Distribution System (MIDS), and Handheld, Manpack, and Small Form Fits (HMS) JTRS programs. Under HMS JTRS, Thales is collaborating with General Dynamics on the development of the AN/PRC-154 Rifleman Radio, which is now in Low Rate Initial Production. The Rifleman Radio is a low-cost, soldier radio with embedded encryption and GPS that extends the network to the individual dismounted warfighter.

Homeland Security

Communications interoperability for Federal, State, Local, and DoD agencies is a national priority. Existing solutions didn't work at events like the Oklahoma City bombing, Hurricane Katrina, and 9/11. Radios were operating on different frequency bands, and first responders had to carry multiple radios to communicate with each other. Thales Communications has leveraged more than 12 years of Project 25 public safety experience with an unequalled SDR technology base in DoD and, in 2008, introduced the Liberty™ Multiband Land Mobile Radio (LMR) to the market. The Liberty radio is a software-defined, portable LMR that enables emergency responders to communicate with partner agencies, regardless of radio frequency band.



Naval/Maritime



Leveraging decades of shipborne high frequency experience, state-of-the-art radio technology, fully integrated communications systems, and automated radio room design, Thales Communications is serving the naval and maritime domains, delivering Thales' automated, integrated shipboard HF communication systems into the U.S. Navy and U.S. Coast Guard. These solutions improve performance, reduce weight, provide more capability in less space, and optimize workload reduction.

Airborne Systems

Thales Communications provides communications solutions across a myriad of operational environments, including airborne systems. The company has leveraged the core technology of the AN/PRC-148 family of Multiband Inter/Intra Team Radios into solutions for unattended airborne vehicles (UAV) and unmanned airborne systems (UAS), like the Multichannel, Multiband Airborne Radio (MMAR), which is currently fielded on more than a dozen platforms and payloads that include aerostats, high altitude airships, and fixed wing tactical UAVs.



Thales Communications is committed to helping warfighters and first responders execute their missions successfully and return home safely.