

INTEGRATED AUTOMATED NAVAL/MARITIME COMMUNICATION SYSTEMS

Thales Communications is a world leader in tactical communication systems and solutions where size, weight, and power are key factors. We provide critical communication capabilities in the Naval/Maritime, Tactical, and Homeland Security/Public Safety domains throughout the globe.

Thales Communications offers integrated, automated maritime communication systems and solutions that have been successfully delivered into the US Navy and US Coast Guard. Our capabilities include HF radio communication systems, software-defined radio technologies, radio room automation, and Fully Integrated Communications Systems (communications control and management, networks, and terminals) for all classes of naval/maritime systems and fixed station platforms. With multiple locations and two manufacturing facilities, we have broadened our product offerings and are achieving even greater production efficiencies, increasing production capacity, providing more responsive and comprehensive customer support, and, in general, strengthening our ability to meet customer requirements.



A pioneer and leader in meeting the challenges and requirements of size- weight- and power-constrained environments, Thales Communications is a key participant in the Joint Tactical Radio System (JTRS) initiative. We are the prime contractor for Cluster 2 and a key member of the JTRS HMS (Handheld, Manpack, and Small Form Fit) team (formerly Cluster 5). Additionally, Thales is on the JTRS AMF (Airborne, Maritime, and Fixed Station) team supporting Lockheed Martin in the design, development, and delivery of a JTRS-compliant solution which will provide the warfighter an expanded communications capability—software enabled, fully-networked, with an open, modular, scalable systems solution.



We understand unique platform requirements, and our solutions respond to critical weight and space issues while optimizing workload reduction.

SYSTEM OFFERINGS

Series 5000

- Economical, state-of-the-art, maritime and infrastructure communications
- Dual radio variants and ISB capable
- JITC Certified for MIL-STD-188-141B (App. A)

Products

- PC6000 PC Based Radio Control Software
- TMR1090 1 kW HF Power Amplifier
- TMR1096/1097 125 W HF Power Amplifier
- TMR3301 (Single ALE) and TMR3302 (Dual ALE) Automatic Link Establishment Controller
- TMR4090 1 kW Digital Antenna Coupler
- TMR4095 125 W Digital Antenna Coupler
- TMR4096 125 W Digital NVIS Antenna Coupler
- TMR5090/5091 Single/Dual Channel HF Receiver
- TMR6490/CU6000 Radio Control Unit
- TMR6790/6791 Single/Dual HF Exciter
- TMR8090/8091/8092 Single/Full Duplex/Dual HF Transceiver

Series 6000

- High grade, naval application, broadband systems
- Nomenclature: AN/URC-143
- Robust EMC and naval environmental design (MIL-STD-901D)

Products

- ACU50 Series HF Transmit Antenna Coupler
- CA6400/6500/6800 Common Aerial Working Broadband System
- MCU6402/6403/6412 and AS200 HF Multicouplers and Active Receive Antenna
- PC6000 PC Based Radio Control Software
- TMR3301 (Single ALE) and TMR3302 (Dual ALE) Automatic Link Establishment Controller
- TMR6100 HF Naval Digital Receivers
- TMR6200 HF Naval Digital Transceivers
- TMR6300 HF Naval Digital Transmitters
- TMR6490/CU6000 Radio Control Unit
- TRC1760 Modem/ALE Controller

Series 8000

- Software Defined Radio, latest technologies, suited to both fixed and naval applications
- Supporting full complement of MIL-STD and STANAG waveforms as software loads
- Multi-mode, multi-channel

Products

- MSN8100-H HF Naval Software-Defined Radio (SDR)
- LCT8100 SDR Local Control Terminal
- PA8100 1 kW Power Amplifier

FICS (Fully Integrated Communications System)

- Full integration of all internal and external communication assets
- Single, multi-service backbone and integrated communication control and monitoring system
- Scalable to any naval platform

Products

- FICS Fully Integrated Communications System
- SPEEDER/NGIN Network Systems
- PARTNER Generic Communication Management System
- TOMA Multifunctional Voice Terminal