C-SERIES
Naval Command & Control Systems
The C-Series product line provides a complete range of key functionality for naval forces to perform surveillance, counterterrorism, drug interdiction, and peace keeping missions, among others. This includes functions for maritime picture compilation, battle management, helicopter landings, and Search & Rescue operations.

The C-Series include:
- C-Flex: Fully integrated Combat Management System
- C-Link: Data link solutions for sharing Common Operational Picture
- C-Guard: Intelligent decoy launcher system for 130 mm ammunition
- C-Fire: Electro-optical and radar fire control system
- C-Search: A range of radars and sensors characterized by superior performance to detect small targets in all weather conditions
- C-Raid: Compact Command & Control system for RHIB and IPV

Terma has more than 30 years of experience in design, production and delivery of C2/C3/C4I systems as Lead System Integrator for navies and coast guards around the world.
C-Flex is a truly scalable state-of-the-art naval Command & Control system. The system is proven configurable from a single user system on a mobile platform to a full blown 25 operator frigate OPS room. C-Flex provides the operator with full Situational Awareness and platform control based on sensors, effectors and data links.

C-Flex covers the entire modern navy fleet requirement from single user systems as e.g. small patrol vessels and maritime helicopters to multiple user systems of frigates and destroyers, and every configuration in between, ensuring interoperability both nationally and internationally.

C-Flex is based on a modern open architecture on top of COTS software and hardware, greatly lowering maintenance and training costs.

C-Link provides Tactical Data Link by use of the ships own radio (HF, VHF, UHF or optionally SATCOM) and expands the user’s operating picture to offer greater interoperability in international operations. Through the link system, the operator can share and receive local pictures with other units using own sensors.

C-Link offers Link-11, Link-16, link-22 or a proprietary Terma Data Link system in accordance with customer requirements. Solutions are scaled to fit any maritime or airborne platform at a competitive price.
C-Guard is Terma’s field proven Soft Kill Weapon System (SKWS) for naval vessels protecting against Anti Ship Missile and torpedo threats. SKWS has been deployed at nearly 100 installations worldwide.

The success has been ensured by a combination of fixed launchers and reliable hardware controlled by high tech software allowing customer programmed algorithms.

Installation and maintenance costs are low adding to an overall affordable and competitive Life Cycle Cost.

Future 130 mm decoys have options for variable range and velocity giving increased coverage and protection compared to other existing systems.

C-Guard can be scaled in different configurations depending on the ship design, type and size.

The C-Fire system is capable of generating ballistic solutions and driving multiple gun mountings to enable simultaneous engagements with any in-service naval gun.

C-Fire EO (Electro-Optical) is a precision electro-optical fire control system that provides engagement of air, surface and Navel Gun Support (NGS) targets with any in-service naval gun. The system employs a light-weight, direct drive platform fitted with mid-wave thermal imager, colour TV camera and eye-safe laser rangefinder.

C-Fire AW (All Weather) is a combined electro-optical and radar fire control system that provides extended range engagement of air, surface and NGS targets in all weather conditions.

The radar is of the Continuous Wave Doppler type and offers all weather detection and tracking against both air and surface targets. This radar is operational in a range of applications world-wide.

The C-Fire AW can track two targets simultaneously using the electro-optical and radar independently.
C-Raid is a scalable, downsized, situational awareness and command & control system designed for Rigid-Hulled Inflatable Boats and Inshore Patrol Vessels used in the following mission scenarios:

- Direct Action & Special Reconnaissance
- Maritime Insertion & Extraction and Boarding Operation
- Search & Rescue
- Coastal Patrolling

C-Raid is enabling greater interoperability between large and small units involved in a joint operation. This is achieved by connecting these units together via radio-based communication links exchanging track data and messages. Compared to traditional voice communication, C-Raid widely expands the operational potential and mission effectiveness by integrating even the smallest networked units in the situational overview.

The C-Search product family is a range of sensors characterized by superior performance to detect small targets in all weather conditions. The sensors are using a series of very advanced processing techniques and embedded trackers, which enables high resolution detection of small targets from the radar horizon to the ship’s side.

The Naval Surveillance Radars are used by navies and coast guards around the world for protection against asymmetric threats, Search & Rescue operations and policing tasks e.g. control of illegal immigration, smugglers, and piracy, and as such is a major contributor to the Situational Awareness picture for all ships from patrol vessels to frigates.
Terma develops and markets high-tech solutions, systems, and products for defense and non-defense applications. Our products are developed and designed for use in extreme mission-critical environments and situations, where human lives and valuable material assets are at stake.

Terma’s Business Areas cover:

- Aerostructures: Development and production of advanced structures and engine components for defense and non-defense aircraft and helicopters
- Airborne Systems: Self-protection equipment for fighter aircraft, transport aircraft, and helicopters
- Integrated Systems: Command and control systems for defense and non-defense applications
- Radar Systems: Advanced radar systems for coastal surveillance and surveillance of airports
- Space: Mission-critical products, software, and services for space applications
- Electronic Manufacturing: Production of electronics utilizing advanced manufacturing technologies.

Terma A/S was established in 1949, headquartered in Denmark and international subsidiaries in a number of European countries, United States and Singapore.

For many years, Terma has worked closely with the Defense, public authorities, and international organizations around the world. Through these relationships, Terma has gained in-depth knowledge of and insight into our customers’ working environment and an equally deep understanding of their situations and needs.