

CRITICAL INFRASTRUCTURE PROTECTION - FOR AIRPORTS AND PORTS

INTEGRATING SENSORS. ACCELERATING DECISIONS.
PROTECTING OPERATIONS



TERMA[®]
ALLIES IN INNOVATION



Transport Hubs Have Become National Targets

The threats facing airports and ports have changed. The defenses mostly have not.

A drone overflies a runway and the airport closes. Hours pass before anyone can confirm whether the object was hostile, civilian, or a reflection of Venus. Tens of thousands of passengers stand still. The financial cost runs into millions but the reputational cost runs longer.

Or a similar scene:

A vessel deviates from the shipping lane near a major port. A small craft loiters too long at the seaward edge of the dry docks. A drone descends low across the quay and disappears between containers.

Each event, in isolation, looks routine. Together, they are a coordinated operation. Most security setups will display them as three separate, low-priority alerts on three separate screens.

New directives such as the European Critical Entities Resilience Directive (CER) now classifies major airports and major ports as critical entities. Operators are obligated to identify, prevent, and respond to the full spectrum of threats targeting their facility, not only the ones their fence was designed for.

The question is no longer whether to upgrade. It is what to upgrade to.

Airspace Is Now Part of the Perimeter

The modern airport perimeter extends far beyond the fence line. Drones can approach critical airspace from kilometers away, creating operational disruption and safety risks within seconds.

Whether malicious, negligent, or unidentified, drone activity near runways and approach corridors demands immediate situational awareness and coordinated response.

Effective airport protection requires continuous monitoring, drone detection and classification, and a shared operational picture connecting security teams and air traffic control.



Supply Chains Depend on Port Security

Ports are critical infrastructure where operational continuity and security are tightly connected. A single disruption can impact logistics networks, trade flow, and national resilience.

At the same time, the threat landscape is evolving. Drones, unauthorized vessels, and sub-surface activity allow bad actors to exploit the scale and complexity of modern harbor operations.

Effective port protection requires integrated situational awareness across land, sea surface, airspace, and underwater domains - enabling operators to detect anomalies early, coordinate response, and maintain secure operations without slowing commercial activity.

One Operational Picture. Every Domain.

T.react CIP is Terma's integrated protection solution for critical infrastructure and other high-risk environments. It fuses data from radars, electro-optical and infrared cameras, transponder feeds, perimeter sensors, hydrophones, and access control into a single operational picture for the security operator.



Cooperative targets are identified automatically. A commercial aircraft transmitting Automatic Dependent Surveillance-Broadcast (ADS-B) is labelled and tracked as such. A registered drone with a transponder is recognized as registered. A vessel with an active Automatic Identification System (AIS) signal is whitelisted. Anything without an identifying signal is flagged, classified, and prioritized against the rules in force at that moment.

The platform is sensor agnostic. It integrates cameras, radars, and access systems already deployed at the facility, regardless of manufacturer. No vendor lock-in. No forced rip-and-replace.

Through the acquisition of OSL, now part of the Terma Group, the platform draws on field-tested Counter-Unmanned Aircraft Systems (C-UAS) deployments at major international airports, including Heathrow, where layered counter-drone protection has delivered measurable reductions in false alarms in live operational service.



T.react CIP is in operation across multiple critical infrastructure sites worldwide.

T.react CIP Unique Capabilities

Security teams at airports and ports operate in environments where threats rarely appear in isolation. A drone approaching restricted airspace, an unidentified vessel entering a security zone, or suspicious activity near critical assets may each seem routine when viewed separately. The challenge is understanding when they are connected.

Advanced Data Fusion

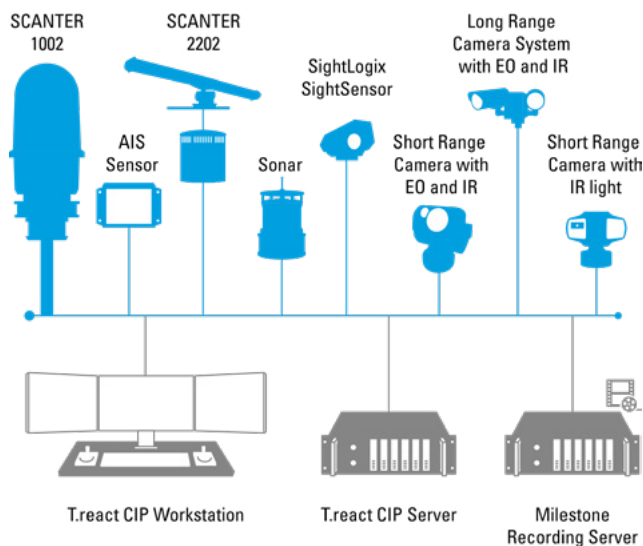
Security personnel cannot afford to make decisions based on fragmented information. T.react CIP correlates data from radar, AIS, ADS-B, cameras, sonar, drone detection systems, and other surveillance sources into one unified operational picture. Built on more than 20 years of multi-sensor fusion expertise, the platform presents a single validated track for each detected object, reducing uncertainty, improving situational awareness, and helping operators identify coordinated threats faster.

Enhanced Video Tracker

When an unidentified drone, vessel, or vehicle approaches a protected area, operators need visual confirmation quickly. T.react CIP automatically directs available long-range cameras to search, detect, classify, and track potential threats based on information received from radar and other sensors. By combining intelligent camera tasking with advanced video analytics, operators gain visual identification faster, providing valuable time to assess, escalate, and respond according to established security procedures.

Threat Level Engine

Security operations must adapt as the threat environment changes. T.react CIP allows organizations to define multiple threat levels, each with its own set of detection rules, alarms, and escalation procedures. When a threat level is activated, the system automatically applies the appropriate security posture, ensuring that operators work with the right level of surveillance and response without manual reconfiguration of the platform.



Features

Integrates with Your Existing Infrastructure

T.react CIP integrates seamlessly with existing radars, cameras, AIS, ADS-B, access control systems, and third-party technologies. Its open, sensor-agnostic architecture protects previous investments, minimizes deployment costs, and eliminates vendor lock-in.

One Operational Picture

T.react CIP combines data from multiple sensors into a single operational picture across air, surface, perimeter, and sub-surface domains. Operators gain a unified view of activity, enabling faster threat assessment and more informed decision-making.

Operational Continuity Through Fewer False Alarms

By combining intelligent sensor fusion, cooperative target identification, and advanced analytics, T.react CIP reduces nuisance alarms and unnecessary interventions. Security teams can focus on genuine threats while minimizing operational disruptions and maintaining continuity.



Key Benefits

- Multi-domain sensor fusion across air, surface, perimeter, and sub-surface
- Sensor-agnostic open architecture with no vendor lock-in
- ADS-B and W-AIS integration for cooperative target identification and ultra-low false alarm rates
- Adaptive rule engine that distinguishes normal from suspicious in busy environments
- Forensic-grade scenario recording and replay for incident investigation and regulatory reporting
- Modular, scalable deployment across single sites or distributed networks

Proven Terma Expertise

Terma's Command and Control solution leverages the operational experience and counter-drone expertise of both Terma and OSL, now part of the Terma Group, strengthening the combined platform's ability to detect, track, classify, and manage emerging threats also leveraging different effectors. Additionally Terma has been protecting critical infrastructure for more than 30 years. We know how a critical infrastructure protection system should be designed, integrated, and maintained, because we have already done it at scale, across continents and threat environments.

- 50+ critical infrastructure installations worldwide
- 30+ years of military-grade surveillance solutions
- 3,500+ Terma radar installations globally





Operating in the aerospace, defense, and security sector, Terma supports customers and partners all over the world. Our dedicated and talented global workforce develops and manufactures mission-critical products and solutions that meet rigorous customer requirements.

At Terma, we believe in the premise that creating customer value is not just about strong engineering and manufacturing skills. It is also about being able to apply these skills in the context of our customers' specific needs. Only through close collaboration and dialog can we deliver a level of partnership and integration unmatched in the industry.

Our business activities, products, and systems include: command and control systems; radar systems; self-protection systems for ships and aircraft; space technology; and advanced aerostructures for the aircraft industry.

Terma has decades of hands-on know-how in supporting and maintaining mission-critical systems in some of the world's most hostile areas. Terma Support & Services offers through-life support of all our products to maximize operational availability, enhance platform lifetime, and ensure the best possible cost of ownership.

Headquartered in Aarhus, Denmark, Terma has subsidiaries and operations across Europe, in the Middle East, in Asia Pacific as well as a wholly-owned U.S. subsidiary, Terma Inc., with offices in Washington D.C., Georgia, and Texas.

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