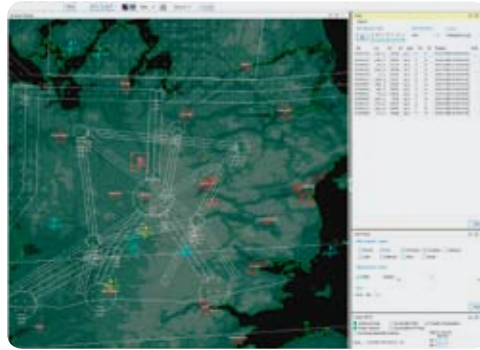


# Ground Based Air Defence



## The Terma GBAD system

Terma's Ground Based Air Defence (GBAD) system is based on an open and flexible system architecture that allows for integration of multiple sensor and weapon systems which makes it able to counter any aircraft threat. The GBAD system supports customer-specified solutions with a high degree of freedom in the selection of weapons and sensors.



Terma's GBAD system offers situational awareness in real-time



## GBAD features

- Capable of delivering customized situational awareness allowing for informed and timely decision-making.
- Fully prepared for joint and combined operations using international standardized data links and protocols, such as Link 11, Link 16, ADat-P3, NFFI, LLAPI and MIP-DEM.
- Simultaneous, coordinated control of multiple types of sensors and weapons.
- Advanced Air Space Management capabilities.
- Allows distributed deployment.
- Operational on the move.
- Real-time Situational Awareness; total air picture throughout the system.

## Flexibility Off-The-Shelf

The Terma GBAD system can easily be adapted to individual customer needs in relation to sensor and weapon interfaces, Human Machine Interface (HMI), localizations etc.

## Fielded Air Defence Components

Based on T-Core, the Terma GBAD system allows re-use of multiple proven software components from fielded solutions. This assures a low-risk system development and implementation process as well as cost-effective utilization of previous investments.



## Air Space Management

With in-depth experience in the air space management field, Terma provides means to divide the airspace into customized safe areas and engagement zones for the GBAD system. The system is also able to utilize these areas to conduct automated identification of air and ground tracks for threat evaluation or de-confliction purposes.

## Threat Evaluation and Weapon Allocation (TEWA)

A built-in TEWA process can automatically evaluate tracks to determine the threat level of each track. Tracks can automatically be assigned for either automatic or manual engagement based upon the identified threat level. The TEWA process is able to automatically assign tracks to the weapon with the highest probability of successful engagement.

## Rule Engine

The system also comes with a sophisticated Rule Engine, where rules and rule sets can be designed and activated by the operators on the fly while still operating the system. The Rule Engine can be set to analyze specific system input and based on user defined actions the system can automatically alert operators, engage targets, send messages etc.

## Ground Systems

Ground Systems develops and builds C4IS systems for ground-based applications. We supply complete turnkey platform systems to end-users, sub-systems for partner projects, and licensed software packages for third party development. We also provide life-time support and maintenance of all kinds of C4IS systems.

Our key business concept is building new Command & Control Systems by integrating our customers' existing sensors and effectors with new equipment, thus providing new automated functionalities and improving efficiency – while maintaining a familiar user environment.

This concept ensures short development time, highly competitive prices, and reduces risk as well as the need for elaborate re-training of personnel.

Ground Systems has been delivering C4IS systems for more than 30 years. With a product portfolio of proven success stories, we offer to design and implement command and control systems of any scale – from simple Battle Management Systems to advanced, multi-level C4IS systems.

# TERMA<sup>®</sup>

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