



SAAB



GIRAFFE 1X

Air superiority from the ground

In situations where every second counts, time is your most valuable asset. With time on your side, you can be prepared, in control, and gain the initiative. This is where Saab comes in. With our capable, leading-edge sensor systems you can create time to act and protect your assets with solutions built on actual real-time control.

When agility and rapid reactions are crucial, the Giraffe family of 3D radars provides high mobility, short deployment times, fast track initiation, and high target update rates – all enabling command and control in real time.

Giraffe 1X is a compact, lightweight, high performing 3D radar for fixed, mobile or deployable applications with a small footprint, easily integrated in any type of mobile platform, fixed structure, or command and control system.

The compact concept makes Giraffe 1X the perfect choice when continuous air surveillance is desired as part of short-range surveillance and ground based air defence. It provides swift understanding of the air situation, enabling immediate and effective response to changing threats, new tactics and shifting operational conditions. Giraffe 1X covers the entire search volume every second and will detect any air threat, including small, slow, high and low targets. By creating time to act, you protect your assets with solutions built on actual real-time control – from the ground.

Giraffe ELSS – small target capability



Drone detection and classification

Both civilian and military use of UAVs is increasing. Along with these systems' improved endurance and ability to carry payloads, they pose an evolving threat to operations and key infrastructure. In order to secure freedom of movement and safety of own troops it is vital to be able to detect these threats.

Conventional radar systems usually have problems with detecting and tracking small UAVs operating at slow speeds and, even if detected, distinguishing them from birds and other elements in the surrounding environment.

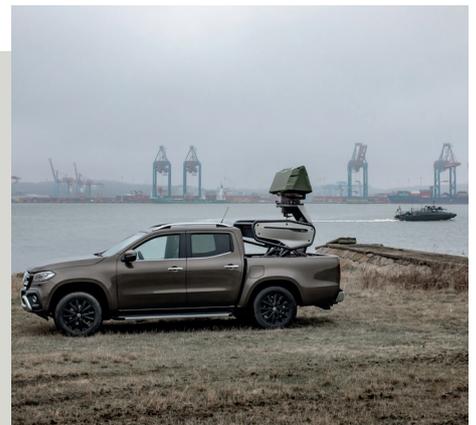
The Giraffe ELSS (Enhanced Low, Slow and Small) function is capable of coping with the challenges of the UAV threat. It detects and tracks even small/mini UAVs, with a false alarm rate reduced to an absolute minimum.

It can be used for a wide range of applications: monitoring airport flight zones, local protection of own forces while on the move, protection of sea operations, camp protection, and UAV surveillance of larger areas.

ELSS is available in both land-based and sea-based surface surveillance radar systems through the land and sea versions of Giraffe 1X, Giraffe AMB, or Giraffe 4A. It can also be included in already deployed Giraffe fleet through a software upgrade.

Key capabilities

- Compact, lightweight, high performing 3D radar
- Fixed, mobile or deployable with small footprint
- Easily integrated in any type of platform
- Superior 360° detection
- Multi-mission with multipurpose
- Small target capability



With over 60 years of experience in air surveillance, Saab is a world class sensor provider. We provide complete in-house systems including sensors and command and control capabilities – directly to customers or in co-operation with other system houses.