



**EVE-100**

## Degraded Visual Environment Solutions

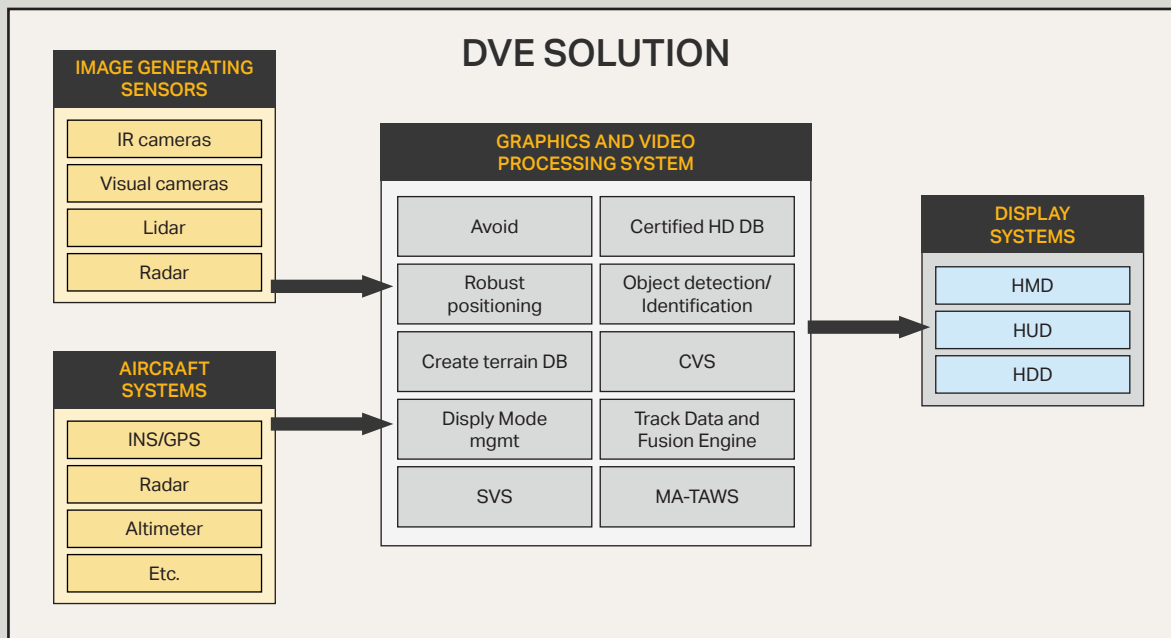
Saab is a world-leading supplier of sensor solutions for airborne platforms. The sensor and integration heritage are one of the foundations of Saab's Degraded Visual Environment Solutions. Saab's DVE solution provides superior situational awareness during special mission operations in demanding environments, low-level altitude, low visibility and complex terrain.



**SAAB**

## This is EVE-100

Saab's DVE solution provides enhanced situational awareness, increased safety, reduced pilot workload and increased mission success rate. The DVE solution may consist of various sensors, pilot interfaces and a computer platform including software applications. Sensor configuration differs, depending on user needs and requirements. It may include Radar, Lidar, IR and visual sensors and can be supplied either through Saab, from sub-suppliers, or supplied from the aircraft OEM. It has a modular architecture which makes it adaptable to customer needs enables future growth and updates.



The DVE solution may be displayed on Head Down Display (HDD), Head Up Display (HUD) or Head Mounted Display (HMD). The system has the capability to detect and warn for obstacles and other objects. It includes Saab's Synthetic Vision System (SiA-100) using available terrain and obstacle database to depict the surrounding 3D scene, including terrain, obstacles and other air traffic. Saab's Mission Adaptive Terrain Awareness and Warning System (MA-TAWS-100) provides warning for the crew when a terrain or obstacle collision is imminent with a low rate of nuisance warning, even in mountainous areas. Imaging sensors are stitched together to provide a seamless image for the presentation. The sensor image can also be used as an overlay for the terrain scene from SVS. A robust positioning system (RPS) is included to maintain positioning data continuity and accuracy through all anticipated operational conditions.

## Key Features

- Increase the probability of effective mission completion
- Obtain enhanced situational awareness
- Increase safety during night/day and in all weather
- Reduce pilot workload
- Modular architecture in order to be tailored for end users needs
- Multiple products to harness the full potential of reliable and safe aviation