

SuperVision

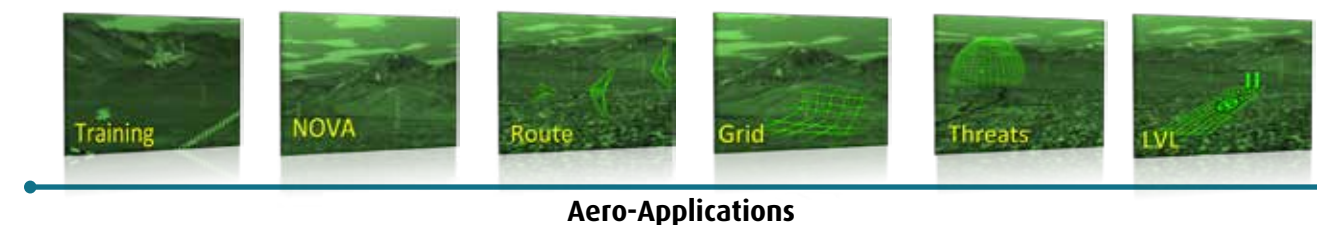
Intuitively Displayed Data

Relevant Today

SuperVision leans on Elbit Systems' advanced capabilities and range of internationally recognized, field tested products and solutions; as well as ongoing intensive investment in R&D and test flights. SuperVision utilizes:



All technologies are adapted to fixed and rotary wing platforms, as well as airlifters, and are supported by a wide range of operationally-proven aero-applications. These applications are the result of the merging of game-changing technologies developed in-house.



Looking Into the Future

With rapidly advancing technologies, the concept of SuperVision will continually transform, always remaining at the peak of innovation.

As it steps into the networking domain SuperVision's unique and advanced capabilities can extend even further; allowing several SuperVision entities, grounded and airborne, to cooperate as an IoT (Internet of Things) network, creating an even wider, clearer picture of the world outside the cockpit.



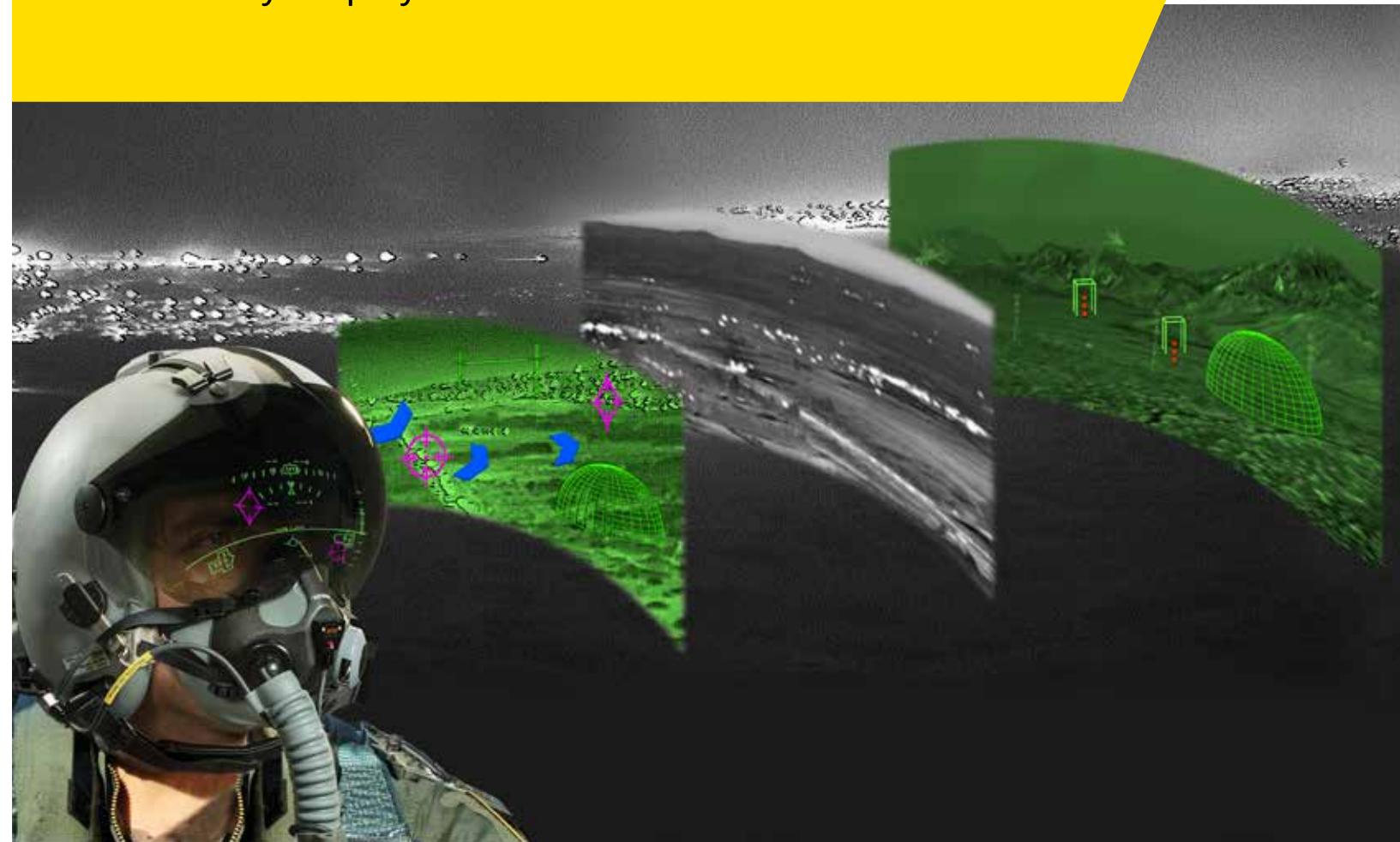
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ELBIT SYSTEMS - AEROSPACE

SuperVision™

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The challenge

The biggest challenge faced by pilots, particularly at night and in harsh environments and weather conditions, is the need to quickly understand and effectively act upon critical information. Our challenge is to extract the critical information out of a wide range of visible and invisible data, and present it to the aircrew in an intuitive manner.

SuperVision meets this challenge

By fusing together the various layers of information SuperVision presents aircrew with an intuitive, conformal image of the world outside the cockpit, enabling "head-out" flight in any terrain and all visibility conditions.

By relieving the aircrew of the mental load of having to interpret the data, SuperVision allows them to utilize their spatial orientation and situational awareness more efficiently, and focus on the successful completion of their mission.

Intuitively

Innovative Aero-Applications

Elbit Systems' wide range of aero-applications translates varied and complex information into intuitively displayed data. These referenced, conformal applications simplify in-flight decision-making processes by providing the aircrew with a clear view of the aircraft systems, flight data, surroundings and threats.



Intuitively Displayed Data

Displayed

Vision System

Data from the sensors and aero-applications can be displayed via a range of "head out" interfaces, including helmet visors and heads-up displays, providing a natural, conformal view of the aircraft surroundings.



Data

Real-Time Sensors

Elbit Systems' world renowned multispectral vision sensors generate an image that allows aircrew to see through dark nights, adverse weather, brownouts, and low visibility conditions.

