

Oil & Gas Services

Helicopter ClearVision™

Clearvision™ Packages

Visionary Avionics

We provide cutting-edge electronic avionics systems and advanced cockpit technologies for commercial aviation platforms of all segments. Building on four decades of experience in the aerospace market, our pilot-centered development team leverages field-proven technologies to produce a specialized range of vision systems for the commercial aviation market.

Our commercial product line of EFVS combines a unique ClearVision™ family of HUDs and HMDs, with SVS, real-time EVS, and Combined Vision Systems (CVS).

Our industry experience, commitment to our partners, and world-class aviation electronics solutions are relied upon by leading aerospace companies around the globe.

Our experience in critical Design Assurance Level A systems includes cockpit displays, processing units, display generation computers, and advanced mission applications.

We have a 30 year legacy in the field of HMDs, with over 10,000 operational systems in service and more than 2 million operational hours logged to date. Our line includes both helmets and visors, each with a head-tracking algorithm.

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Helicopter ClearVision™



THE CLEAREST PATH TO A SAFE ARRIVAL



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Helicopter Clearvision™ – Oil and Gas

Safe Access to Oil and Gas Platforms and Vessels

Transporting personnel and supplies by helicopter to offshore platforms on a daily basis requires a dedication to safety and reliability, especially in limited visibility environments.

Elbit Systems' helicopter ClearVision™ avionics solutions are optimized for long-range, deep-water missions, providing situational awareness even in low-visibility conditions.

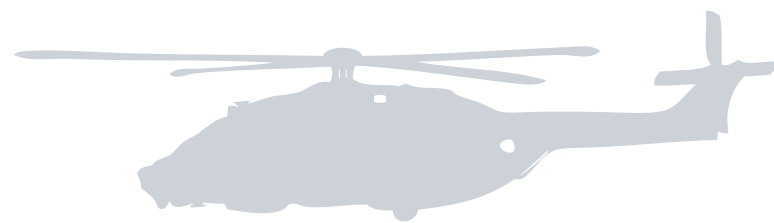
In addition, aircraft using Elbit Systems' helicopter ClearVision™ avionics solutions, benefit from increased safety, higher mission completion rates and reduced operational costs.

ClearVision™ is a complete Enhanced Flight Vision System (EFVS) solution that overcomes extreme weather conditions and low visibility situations – both day and night. ClearVision™ enables oil and gas transport pilots to benefit from intuitive eyes-out flying reducing landing minima, and providing landing flexibility.

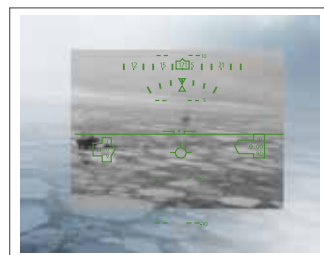
Providing Safe Access to Oil and Gas Platforms

Elbit Systems' multi-spectral enhanced vision system (EVS) detects lights of helipads and runways. The high-quality ClearVision™ display fuses conformal flight guidance symbology with synthetic vision presentation and high-resolution video. The result is displayed onto the SKYLENS/ SkyVis wearable display.

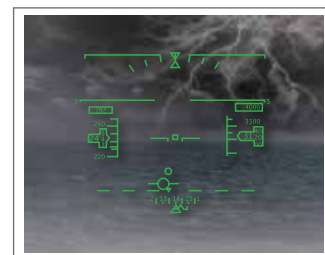
ClearVision™ is designed for certification according to civil standards, and is in line with FAA / EASA current and upcoming regulations.



EVS



EFVS



SKYLENS / SkyVis



Enhanced Awareness Apps.

SkyVis for Use by Day and with NVG

The new SkyVis system combines proven helmet-mounted display (HMD) with commercially certifiable line-of-sight (LOS) technology.

- » Independent conformal symbology displays for each pilot on NVG and daytime HUD
- » Presentation of critical flight data
- » Mounted on the NVG base
- » Designed for Level A assurance



SKYLENS

- » Innovative wearable head-up display (HUD)
- » Lightweight, easy-to-install device
- » Head tracking technology
- » Displays 1280 x 1024 high-resolution information, images and video on a high-transparency visor



ClearVision™ Heli - Enhanced Vision Systems

- » Multi-spectral lightweight helicopter EVS
- » Sophisticated fusion algorithms and a range of bands, including visible light and NIR
- » 35° x 27° FOV
- » Designed for Level B assurance
- » 1280 x 960 high-resolution



Enhanced Awareness Applications

- » Certified Enhanced Awareness suite
- » Software applications hosted on the company's smart displays
- » Contains RTCA DO-257A compliant digital maps (DMAP), RTCA DO-309 compliant helicopter terrain awareness and warning system (HTAWS), and an electronic flight bag (EFB)



Computer Unit

- » ARINC 600 Standard
- » Fully certified building blocks
- » Operational applications
- » Supports SKYLENS display units

