

Hermes™ 900 StarLiner

Next generation multi-role MALE UAS, qualified for civil aviation and adapted for all-weather conditions



The Hermes 900 StarLiner is Elbit Systems' next generation Medium Altitude Long Endurance (MALE) Unmanned Aircraft System (UAS). Qualified for flight in civilian airspace, the StarLiner features over-the-horizon, persistent multi-mission, multi-sensor capabilities with a class-leading payload carrying capacity, significantly expanding the operational envelope of the Hermes 900, enabling it to operate in civil environments and in adverse weather conditions. Hermes 900 StarLiner draws on the strong legacy of the Hermes UAS family and incorporates the most advanced aviation technologies. It is ideal for a wide range of applications, including homeland security, law enforcement, border protection, maritime patrol, and a range of civilian applications, such as agriculture, industrial inspections or post-disaster surveys.

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Qualified for flight in unsegregated airspace:

The StarLiner's design and manufacturing standards are in full compliance with STANAG 4671 UAS certification requirements and it includes a Detect & Avoid (D&A) system, which incorporates an innovative Air-to-Air RADAR sensor, detecting both cooperative and non-cooperative aircraft, as well as a Terrain Awareness and Warning System (TAWS).

All-weather capabilities:

The UAS's adverse weather capabilities encompass an active de-icing system, direct and indirect lightning strike survivability, zero visibility landing capability, and redundant Automatic Take-Off and Landing (ATOL) capability. In addition, the StarLiner can operate effectively under Instrument Flight Rules (IFR).

Improved flight performance

A powerful Heavy Fuel Engine (HFE) provides Hermes 900 StarLiner with improved climb rate, extended endurance and higher ceiling and maximum speed.

A state of the art "Glass Cockpit" Ground Control Station (GCS)

Hermes 900 StarLiner GCS is designed based on the legacy of the Hermes Family of UAS and on commercial Airlines' concept and displays. Each of the identical crew consoles in the GCS can be operated both as pilot and payload operator.

Built on a rich heritage:

Elbit Systems' extensive experience and innovative approach to all aspects of UAS development, production, fielding and support have resulted in outstanding UAS performance and highly-effective operational yields around the world. Over the last three decades, the Hermes family of UAS has accumulated over 600,000 operational flight hours, serving dozens of customers globally.

Payload configurations and capabilities

Hermes 900 StarLiner features over-the-horizon, persistent, multi-mission, multi-sensor capabilities with high bandwidth to stream of multiple sensors in real-time and a class-leading payload carrying capacity.

- Electro Optical: Multi spectral payloads (SPECTRO XR, Wescam MX15/20, SkEye WAPS™, MIST G), Laser designator/marker
- Radar: SAR / GMTI Radar and MPR Maritime Radar
- EW Payloads, ELINT, COMINT



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