



GENESYS AVIONICS SUITE™

LEONARDO TH-119 TRAINING HELICOPTER

SINGLE ENGINE/SINGLE PILOT IFR FLIGHT DECK SOLUTION



The Leonardo TH-119 advanced training helicopter is equipped with a complete modernized avionics suite, a single-engine, single-pilot approved platform first to meet IFR certifications in decades. The TH-119 provides operators with a cost-effective, full spectrum training platform. The TH-119 seamlessly transitions helicopter pilots from training flights to combat missions. Forgiving enough for initial training flights and capable enough for advanced training flights, the TH-119 provides all the capabilities in one helicopter with room to grow into future training.

The Genesys Avionics Suite features increased aircraft capabilities while keeping costs to a minimum. Meanwhile, the IFR certification allows pilots to fly safely in low-visibility and challenging weather conditions.

FEATURES OF THE GENESYS TH-119 AVIONICS SUITE INCLUDE:

- PFD and MFD EFIS digital cockpit display suite
- Synthetic Vision and Highway-In-The-Sky flight navigation symbology
- Hover Vector
- Enhanced HTAWS Terrain Warning & Alerting
- Full EICAS display capacity
- Integrated Genesys GDR digital Nav/Comm radio package
- Integrated FMS
- MIL-STD qualified
- NVG compatible
- IFR Approved

TRAINING THE NEXT GENERATION OF PILOTS



GLASS EFIS: IDU-680 DISPLAYS

Lightest, most comprehensive, integrated Electronic Flight Instrument System enhances safety, reduces pilot workload, and increases mission flexibility.

Features include:

- Redundant ADAHRS attitude source (replaces legacy attitude sensors)
- Redundant GPS/SBAS receivers
- Dual NAV/COMM radios
- Integrated radio/audio management
- Mode S ADS-B compliant transponder
- Weather radar control and display
- Built-in support/interfaces for FLIR, Satcom, DF, HF, UHF, TACAN, Datalink, SELCAL, tactical radios, etc.



EICAS

Provides customizable full engine indication and crew alerting system, replacing outdated gauges and annunciators.

Features include:

- Color graphical presentation, reducing cockpit workload
- Enhances safety
- Warning and Caution messages are tailored to eliminate incorrect interpretation
- Exceedence log recording.



NAV/COMM RADIO - GDR

The Genesys Digital Radio (GDR™) is a family of remote-mount, software-definable radios combining VOR/localizer/glideslope and marker beacon navigation and VHF communication with a UHF communication option in a single box.

GDR lowers weight, increases reliability, reduces cost, and increases mission readiness.



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+1.817.215.7600
Genesys-Aerosystems.com



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