MOOG | AIRCRAFT | AVIONICS

GENESYS AVIONICS SUITE™

LEONARDO TH-73A "THRASHER" AIRCRAFT
SINGLE ENGINE/SINGLE PILOT IFR FLIGHT DECK SOLUTION

Moog's Genesys Avionics Suite™ designed for the Leonardo TH-73A Thrasher helicopter serves the U.S. DoD to train the next generation of tiltrotor and helicopter pilots. The TH-73A Thrasher is a derivative of the commercial Leonardo TH-119 single-engine Instrument Flight Rules (IFR) approved helicopter. The U.S. Navy selected the Leonardo TH-73A with the modernized glass cockpit to replace its aging fleet of TH-57B/C Sea Rangers.

As part of the Advanced Helicopter Training System (AHTS), the TH-73A serves as the IFR approved single-engine training platform for Navy, Marine Corps, and Coast Guard helicopter training along with allied nations.

FEATURES OF THE GENESYS TH-73A AVIONICS SUITE INCLUDE:

- PFD and MFD EFIS digital cockpit display suite
- Synthetic Vision and Highway-In-The-Sky flight navigation symbology
- Hover Vector
- Enhanced Helicopter Terrain Awareness & Warning Systems (HTAWS)
- Full EICAS display capability
- Integrated Genesys GDR VHF & UHF Nav/Comm radio package
- Integrated FMS
- NVG compatible
- IFR Approved

MOOG

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 flexibilty.

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Provides customizable full engine indication and crew alerting system, replacing outdated gauges and annunciators.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

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.

MOOG | Shaping the way our world moves™

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