



GENESYS AVIONICS SUITE™

SIKORSKY UH-60 HELICOPTER

FLIGHT DECK UPGRADE SOLUTION

The Genesys Avionics Suite™ provides renewed operational life and increased mission effectiveness through a complete and comprehensive flight deck system upgrade customized to the unique operational needs of existing Sikorsky UH-60 Black Hawk helicopters.

Features of the Genesys UH-60 avionics suite include:

- PFD and MFD EFIS digital cockpit display suite
- Synthetic Vision and Highway-In-The-Sky flight navigation symbology
- TAWS terrain warning & alerting
- Full EICAS display capability
- Integrated Genesys GDR digital Nav/Comm radio package
- Genesys IFR Helicopter Autopilot
- Digital ADAHRS replacement for unreliable legacy gyro attitude source
- Mil-Std qualified
- NVG compatible



Precise Performance.
Proven Experience.
Personalized Attention.

 **GENESYS**
AEROSYSTEMS
a Moog Company

FLIGHT DECK MODERNIZATION FOR TODAY'S & TOMORROW'S MISSIONS

GLASS EFIS UPGRADE - IDU-680 DISPLAYS

Lightest, most comprehensive, integrated Electronic Flight Instrument System (EFIS) 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/COM 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.

AUTOPILOT UPGRADE - GRC™ 3000

Delivers safety and workload reduction benefits with fully coupled IFR approved autopilot and stability augmentation in a compact lightweight package.

Features include:

- Lightweight, weighs less than 30 pounds (14 kg)
- Dramatically reduced pilot workload
- Safer, more confident command, even under demanding conditions
- Autopilot fully-coupled to FMS, GPS, and navigation radios
- GRC 3000 is designed for three-axis (pitch, roll and yaw) autopilot configuration for IFR use. GRC 3000 can work in conjunction with the existing SAS system to add upper mode capability.

NAV/COMM RADIO UPGRADE - 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.

EICAS UPGRADE

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

ADAHRS ONLY UPGRADE

Replaces the legacy attitude source that poses reliability, obsolescence, and cost challenges for operators. An ADAHRS upgrade provides the necessary interface that drives the stability augmentation system and existing panel attitude indicators. This upgrade is a standalone solution for aircraft, replacing and modernizing legacy equipment without the requirement to upgrade to a full avionics suite.



ADAHRS



MSU



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+1.817.215.7600
Genesys-Aerosystems.com

