



GENESYS AVIONICS SUITE™

SIKORSKY UH-60 HELICOPTER FLIGHT DECK UPGRADE SOLUTION

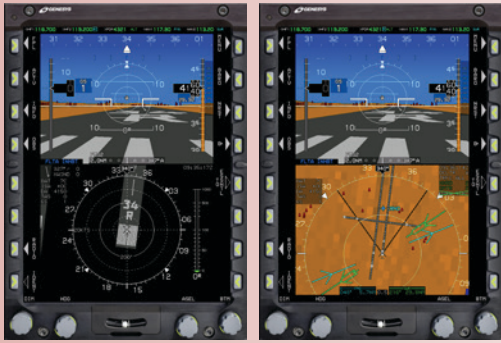


Moog's Genesys Avionics Suite™ provides renewed operational life and increased mission effectiveness through a complete and comprehensive flight deck system upgrade customized to the unique operational needs of existing Sikorsky UH-60 Black Hawk helicopters.

FEATURES INCLUDE

- PFD and MFD EFIS digital cockpit display suite
- Synthetic Vision and Highway-In-The-Sky flight navigation symbology
- HTAWS Helicopter Terrain Alerting & Warning System
- Full EICAS display capability
- Integrated Genesys GDR digital Nav/Comm radio package
- IFR approved Genesys GRC Rotorcraft Autopilot
- Digital ADAHRS replacement for unreliable legacy gyro attitude source
- MIL-STD qualified
- NVG compatible

FLIGHT DECK MODERNIZATION FOR TODAY'S AND 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/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.



AUTOPILOT UPGRADE - GRC™ 3000 / GRC™ 4000

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

Features include:

- 3-Axis and 4-Axis
- Dramatically reduced pilot workload
- Safer, more confident command, even under demanding conditions
- Autopilot fully-coupled to FMS, GPS, and navigation radios
- Autopilot is designed for three-axis (pitch, roll and yaw) or 4-axis (includes hover hold with collective control) for IFR use. Autopilot 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.



LEGACY GYRO REPLACEMENT UPGRADE

Replacement of Unreliable Legacy Gyros with Modern, Highly Reliable, All-Digital Gyros – Genesys ADAHRS (Air Data/Attitude Heading Reference System)

Benefits:

- Reduces inoperative time
- Reduces routine maintenance costs
- Reduces total system lifecycle cost

Legacy gyros are unreliable and expensive to maintain:

- Sikorsky electro-mechanical gyros
- Northrop Grumman Fiber Optic Gyros (FOGS)



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