



## GENESYS AVIONICS SUITE™

### SIKORSKY S-61T 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 S-61T helicopters.

#### FEATURES OF THE GENESYS S-61T AVIONICS SUITE 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
- Optional Integrated Genesys GDR digital Nav/Comm radio package
- Optional Genesys IFR Helicopter Autopilot
- 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 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\*

Optionally, an autopilot upgrade can be included. The 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

\*this option would require an STC completion before installation



## NAV/COMM RADIO UPGRADE - GDR\*

Optionally, a Nav/Comm radio can be included. 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. GDR command input and control can be provided either through the IDU displays or by adding a Genesys Control Panel (GCP™) to the installation.

\*this option would require an STC completion before installation



## 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



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