Sierra Nevada Corporation’s (SNC) Sierra Force™ rotary-wing aircraft is a fully modernized UH-60 with a state-of-the-art Genesys digital avionics suite and autopilot with options for an overhauled unlimited lifecycle airframe and near-zero time dynamic components.

Sierra Force is customizable for a wide variety of missions including personnel transport, cargo (internal & external) or special purpose missions. Its ultramodern cockpit and flight management technology exceed all requirements today, while its open-architecture design enables future growth at the lowest cost and best value.
Sierra Force™
Modernized UH-60 Black Hawk

Upgraded UH-60 Features

- Affordable to acquire & maintain
- Robust & proven in demanding environments world-wide
- Human Machine Interface (HMI) lowers pilot’s workload
- Ability to interface with legacy & mission equipment
- Highly capable, state-of-the-art functionality
- Fewer LRUs offer lower weight, reduced failures rates & improved aircraft dispatch rate
- Compliant FAA NexGen Area Navigation (RNAV), Required Navigation Performance (RNP) standards & LPV approaches
- Night Vision (NVD) compatible
- FAA-certified & in production
- Ideally suited for the special-mission environment
- Open architecture to facilitate growth

Autopilot Upgrade – HeliSAS®

The fully coupled autopilot and stability augmentation delivers increased safety and workload reduction benefits in a compact, lightweight package:

- Weight – less than 25 lbs (this is based on the redundancy of the servos required, anticipate this weight to reduce)
- Dramatically reduced pilot workload
- Safer, more confident command in demanding conditions
- Autopilot fully-coupled with FMS & navigation radios
- Auto-recover to a neutral attitude in situations where pilot may lose visual reference
- HeliSAS equipped aircraft provide reduced pilot workloads, allowing for rapid learning during flight & hover

Modernized Avionics Suite

An avionics modernization program to provide state-of-the-art digital avionics for primary flight, navigation and engine/systems displays, solid-state sensors and area navigation capability meeting FAA NextGen 2020 standard requirements:

- Large-format 6” x 8” (viewable area) portrait EFIS/MFD displays
- PFD/MFD pair for both pilot & copilot (4 or 5 displays)
- Each display includes built-in FMS, HTAWS & digital flight recorder (no separate LRUs)
- Up to four EICAS pages are customizable for customer requirements
- 2x GPS/SBAS receivers with antennas
- 2x ADAHRS provide attitude source to cockpit system & AFCS allowing removal of heavy, expensive & failure prone gyros
- 2x dual-channel Data Acquisition Units (DAU)
- 3x serial analog/digital converters (SAND) for airframe discrete inputs/outputs
- Radio tuning will be accomplished through the PFD/MFD display to minimize weight, complexity, cost & failure probability