

## Hill Helicopters Adopts GL Studio for Avionics Suite Development

*The British-based aircraft maker is using the HMI Software Tool for next-generation helicopters.*

**Orlando, FL (May 9, 2023)** – The DiSTI Corporation, the world's leading graphical user interface software provider, is pleased to announce that Hill Helicopters, a British company, has adopted GL Studio, as the company's HMI Software development tool, in the production of their avionics suite for luxury private helicopter models HX50 and HC50.

"GL Studio is the perfect tool for delivering the high-performance graphics and user experience that our customers demand," stated John Hayward, CEO of DiSTI. "We are proud to have our software be part of Hill Helicopter's journey as they continue to push the boundaries of innovation in the aviation industry."



GL Studio provides an advanced toolset that has equipped Hill Helicopters to build an elegant user experience for the Visual Flight Rules (VFR) helicopter. The software is being leveraged to develop a certifiable software stack which is tested using piloted trials on an engineering simulator. The solution has enabled Hill Helicopters to link third-party systems such as the radio, intercom, GPS, and transponder with the User Interface application.

"Unlike any other aircraft user interface, which brings with it the complexities of instrument flying, the HX50 and HC50 pilot cockpit experience is directly tailored for visual flight conditions. The digital cockpit is designed for intuitive simplicity of use, merging the clarity of automotive displays with an adaptation of the traditional primary flight display will maximize the pilot "eyes out" of the window time and will

require minimal training to use," explained Jason Hill, Founder, and CEO at Hill Helicopters. "GL Studio continues to enable us to quickly prototype and simulate the user experience and adjust the design using in-simulation flight scenarios all in-house. We are looking forward to taking the prototype software forward into flight test and certification using the "SC" version of GL Studio in the very near future."

The identical cockpits of the HX50 and HC50 include three touchscreen displays: two larger panels for primary flight and engine instrumentation and a smaller display called the Integrated Pilot Interface (IPI) in the center console. The IPI and attached rotary puck gives the pilot quick access and tactile control over settings such as radio frequencies, barometric pressure setting, transponder, autopilot, infotainment, and climate control. The ground-up design and development of the system in GL Studio has enabled the Hill Helicopters team to build an avionics suite with unprecedented ease of use and situational awareness for the pilot. By introducing a user experience similar to what many have become accustomed to in mobile devices and automobiles, the Hill engineering team aims to make flying easier and safer.

Additionally, the ability to iterate designs quickly in GL Studio has made it possible for Hill Helicopter's engineers to take ideas from concept to reality on a running test-bench in as little as a few hours.

To learn more about DiSTI's GL Studio HMI software development tool and avionics solutions provided by The DiSTI Corporation, contact us at [sales@disti.com](mailto:sales@disti.com).

### **About The DiSTI Corporation**

The DiSTI Corporation is the world's leading graphical user interface software provider. The company's flagship product, GL Studio, delivers advanced high-performance 3D user interfaces to the aerospace, automotive, and defense industries. Leading global manufacturers like Jaguar Land Rover, Hyundai MOBIS, Garmin, Boeing, NASA, and Lockheed Martin choose GL Studio for its performance, fidelity, and reliability in interface development and deployment.

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