

# MILESTONE AVIATION GROUP: S-76C++ MISSION COMPLETION



## ABOUT

Heli-One worked closely with Milestone Aviation Group for modification and completion of four new Sikorsky S-76C++. The completions were designed to optimize the aircraft for specialized offshore oil and gas missions for operator Pelita Air Service. Heli-One's experience with offshore customers enabled added-value input to the initial scope. The complex and demanding requirement was delivered on time and within budget, and post-delivery customer service ensured total satisfaction for all stakeholders.

## TESTIMONIAL

"We gave Heli-One a challenging requirement – not just in terms of the range and complexity of completions, but also in terms of timescale and cost. Heli-One were proactive and tenacious when necessary, identifying and resolving potential issues before they could have an impact on the delivery schedule, with the end result that they delivered on time and on budget. We are very pleased with the quality of the end result and with the service we received."

Milestone Aviation Group

**Heli-One**  
Excellence in Helicopter  
Maintenance Services

**CASE STUDY**

SIKORSKY C++ MISSION COMPLETION

# CUSTOMER BENEFITS

- Unique insight to oil and gas mission requirements
- End-to-end solution ensured total satisfaction from all stakeholders
- Specialist proprietary STCs for the S-76 and oil and gas missions
- Program turnaround efficiency through Heli-One's in-house STC approval capability
- Agile program workarounds and hands-on supply chain management

## HELI-ONE'S APPROACH

The Milestone Aviation Group purchased four Sikorsky S-76C++ in baseline (green) factory configuration. The assets were destined to be operated in offshore Oil and Gas operations in Indonesia. The aircraft required mission-specific modifications and completions – with a specification which prioritised the utmost standards of passenger safety and capability. Milestone issued a schedule whereby the assets would enter operational services within a set timescale.

Heli-One had supported one of the biggest S-76 fleets in the world and through that experience, gained a unique level of insight. Heli-One knows the specifics of oil and gas missions inside out, and what operators need. As part of a consultative process Heli-One collaborated with Milestone to define an optimal scope of work to deliver their capability profile.

Modifications included proprietary STCs unique to Heli-One developed for S-76 aircraft performing oil and gas missions; such as the 12-passenger utility interior configuration and the external raft deployment system. Two of the four aircraft were required to be modified for SAR provision – which included the installation of sliding doors. The four aircraft were managed via a staggered induction to aid turnaround efficiency. Heli-One's proactive project management ensured total customer awareness on progress – and the work program was managed in an agile way to work around problems. The aircraft were delivered on time and within budget.

## TECHNICAL DELIVERY

Some of the key modifications and completions delivered by Heli-One:

- Cabin sliding doors
- Offshore 12-person seating configuration
- Automatic Deployable Emergency Locator Transmitter
- Emergency floatation systems
- Vibration monitoring system HUMS
- Radio Altimeters and Altitude Warning Systems
- Penny and Giles MPFR (Multi-Purpose Flight Recorder)
- Combined Cockpit Voice Recorder and Flight Data Recorder (CVR/FDR)
- VHF Communication radio transceivers
- Traffic Advisory System displayed on Garmin GNS530W
- GNSS (Global Network Satellite System) TSO 145a integrated with auto-pilot
- External life deployment system (Aero-seats ASI-500) externally mounted with compact life raft pods'
- Color Weather Radar
- Exis Lighting (HEELS): light strips installed around windows/doors to indicate egress path