

## Helicopter Engineering Capabilities



### General

FB Heliservices (FBH) is an EASA Part 145, Part M Sub parts G and I, Mil Part 145 (MAOS), ISO9001, AS9100 and an approved maintenance organisation by the General Civil Aviation Authority of United Arab Emirates (GCAA). FBH is an owner and operator of over 60 modern single and multi-engine helicopters and has provided engineering support to Military and Government helicopters, at both operational (1<sup>st</sup> Line) and Base (2<sup>nd</sup> Line) maintenance levels and even on deployed operations.

FB Heliservices has the capability and experience to set to work and carryout through life support of a new helicopter capability or embed its own engineers into an existing helicopter capability to enhance operations and provide a fully partnered approach using the procedures and processes we have successfully developed and utilised over a decade of helicopters operations.

### Background

Today FB Heliservices employs some 380 engineers worldwide who operate across the United Kingdom, South America, Asia and the Middle East. FBH provides, maintains and supports over 100 helicopters for Military and Government organisations world-wide and together their operations exceed 500,000 flying hours. In support of this fleet, FBH operates front line Operational and Base maintenance facilities for aircraft, engines, avionics, role and safety equipment, including armaments,



and with the support of its parent companies Bristow Helicopters and Cobham Aviation Services, FBH can also provide depth maintenance support.



### **United Kingdom (UK) Military Helicopter Support**

FB Heliservices has a wide range of helicopter engineering experience with the British Military for aircraft engineering support from Operational units, Base Maintenance Hubs and more Specialist Units. In total we currently provide support to over 9 different operational units and have contracts out to 2029 this has included but is not limited to;

- 7 Regiment Army Air Corp where we were responsible for complete operational engineering support for helicopters used for Homeland security purposes
- 84 Squadron RAF where we are responsible for complete operational engineering support for Search and Rescue helicopter operations in and about Cyprus
- British Army Gazelle Depth Support Hub where we are responsible for all Army Gazelle helicopter base maintenance including overhauls and major modifications



- UK Ministry of Defence Tri-Service Aircraft Maintenance and Storage Unit (AMSU) where we are responsible operating dehumidified hangar facilities which have housed over 25 different aircraft types and nearly a thousand individual aircraft types over time. Here both fixed and rotary wing aircraft are maintained to the correct maintenance schedules.

### FB Heliservices Helicopter Engineering Support



In general terms, each aircraft fleet is supported by an FBH planning engineer who, in conjunction with our Technical Services department, is responsible for the development and maintenance of an aircraft maintenance programme. All base maintenance is the responsibility of an FBH Base maintenance manager, fully supported by our Logistics Department that is responsible for the timely provision of all materiel required for the maintenance activity.

FBH's Technical Support Service consists of a number of integrated departments dedicated to the 24/7 support of the aircraft fleet. The Department acts as a the point for contact between the OEMs and FBH with regard to all technical queries, coordination of repairs, modifications, maintenance programmes and handles all airworthiness related issues.

FBH has considerable experience in the development, planning and embodiment of capability and/or reliability improvements during both the transition and in-service phases of aircraft availability provision contracts. FBH's experience includes design, development and embodiment of modifications and capability enhancements including, but not limited to;

- Modification of 38 AS350 BB Squirrels aircraft and 9 Bell 412 aircraft over 18 months, which included: NVG compatible cockpit fit, full dual instrument panel fit, radio Communication/Navigation modification, and external aircraft lighting.
- Modification of 6 Bell 412s over a period of 12 months, which included: surveillance turret containing both FLIR and Video, a high power search light, a fully integrated 4-axis autopilot, advanced communications fit including SATCOM (with flight following) and HF communications, and a full Search and Rescue fit.



To deliver these modifications, FBH project manages all aspects of concept, development, design, delivery and installation within the regulations outlined by EASA. All modifications are designed by fully approved EASA Part 21 subpart G & J companies.



The high calibre of FBH engineers and our extensive helicopter support experience provides our Customers with a high level of confidence of success at a low risk. FBH offers its Customers workable and achievable solutions, based on our global helicopter operations experience.

**[www.fbheliservices.com](http://www.fbheliservices.com)**