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AMAC AEROSPACE

by Victor Chen

REMARKABLE GROWTH

A range of service upgrades and product expansions defines another productive year for AMAC Aerospace



Located in the southwest part of Turkey, in the popular tourist destination of Bodrum-Milas Airport, AMAC Aerospace's hangar is the only MRO facility in the area.

The hangar comprises of 4,626sqm of shop floor and can accommodate a Boeing B777-200 and/or Airbus A330/A340 or two Boeing B737s and/or Airbus A320s wingtip-to-wingtip.

The facility is equipped with the latest and most technologically advanced hardware. Since it opened in 2018, the hangar has been offering services for both line and base maintenance.

AMAC Aerospace holds an EASA Part-145 Approval Certificate from the European Aviation Safety Agency. The certificate allows the company in Milas-Bodrum to perform line maintenance on Airbus A318, A319, A320 and A321;

Boeing B777-200 and B777-300, as well as line and base maintenance on Boeing from B737-300 to B737-900.

In 2021, Bodrum's technicians completed nine heavy checks on the aircrafts of two key customers, Tailwind and Kuwait Airlines, and re-delivered a variety of other commercial airliners on time. The facility continues to be a hub of activities. In the first four months of this year, two A320 aircrafts underwent a six-year inspection in the hangar, while a B737-400 aircraft was being serviced simultaneously.

"In the past two years during the pandemic, we completed all projects as planned and returned them to the customers on time," says Tarek Muhiddin, General Manager, Bodrum/COO AMAC Aerospace. "This coming summer season, we are looking forward to supporting our VIP customers."





Progress in Istanbul

Within the Global Air Charters (GAC) area of the Atatürk International Airport in Turkey is AMAC Aerospace's Istanbul facility. This is well-placed to handle the incoming and outgoing movements of VIPs as the private passenger terminal is located nearby. The said terminal provides full VIP services for any requirements of VIPs visiting Istanbul.

Opened in 2012, AMAC Aerospace's hangar facility has become an authorised Dassault Service Centre as well as an authorised Pilatus Sales and Service Centre. A hangar space of 1,500sqm allows AMAC Aerospace Turkey to position three Dassault Falcons or four Pilatus airplanes.

The well-equipped hangar facility comes with ample office space, crew lounge, multiple storage areas for tools and materials, and a team of highly skilled licensed mechanics and engineers.

AMAC Aerospace Istanbul Turkey has recently completed its sixth 'C' check on a Falcon 2000 series aircraft. Besides the 'C' check, AMAC also performed the full refurbishment of the cockpit and cabin, completed the paint renewals and several avionic upgrades such as Pro Line 21, ADS-B Out, Easy II conversions, and cabin/connectivity improvement solutions.

AMAC Aerospace Istanbul has accumulated a hands-on experience of over 100,000 hours following the successful completion of 2,500 maintenance projects

on Falcon aircraft since it was assigned as an Authorized Service Center by Dassault Aviation.

"We are proud to have completed our sixth 'C' check," according to Fikret Yazicioglu, General Manager, AMAC Aerospace Istanbul. "Our dedicated professional engineers and licensed mechanics were able to complete the workload and overcome several unexpected structural findings. Continued trust from our clients and the experience from our teams allow AMAC Istanbul to further progress and welcome new enquiries and maintenance inputs," he adds.

Avionics Upgrade

The Spring of 2022 saw the completion of one of the most complex avionic modification upgrades on a Falcon 2000 series by the AMAC Aerospace team in Istanbul. This called for the installation of avionics solution Pro Line 21, which uses new capabilities in display, sensor and flight management technology. The installation is aimed at helping operators meet constantly changing operational, regulatory and performance requirements.

This customised cockpit package ensures that 'out of production' models still can benefit from next generation air traffic management technologies that enhance situational awareness and optimise aircraft operational capability.

At the same time, the AMAC Istanbul team announced finishing its first Indian-operated Falcon 2000 heavy check. The project included new livery application along with several upgrades.

Advancing Service

AMAC Aerospace in Basel, Switzerland has developed 13 Supplemental Type Certificates (STC) for the installation of Honeywell's JetWave Ka-Band antenna systems and subsystems A320, A330 and A340 series, and B737, B747 and B777 series.

The Ka-Band System delivers broadband internet service to the business jet market and ensures a seamless connectivity experience. The increased data speed enables business jet users greater access to Internet TV and video streaming across multiple on-board devices. It also supports uninterrupted WiFi enabled email, web-browsing, video conferencing, data file transfers, and voice and text capabilities.

"AMAC Aerospace is well known for its Ka-Band installations," explains Eric Hoegen, Director Completion Sales & Key Account Management of AMAC Aerospace. "We are delighted to provide our customer the best connectivity in the air which is currently available on the market."

The latest STC variant was performed on an Airbus ACJ321 aircraft which extended the existing STC coverage of the A320 series to include the A321. All STC's cover the current engine option (CEO) and new engine option (NEO) types.

Expanding Products, Services

AMAC Aerospace acquired JCB Aero in 2016. A specialist in VIP/Airline aircraft interior completion and refurbishment for the international market, JCB Aero complements the activities of AMAC Aerospace in Basel, Switzerland. The former's skilled team have over 40 years of completing all components of cabin interiors for commercial, VIP and private aviation.

JCB Aero is entrusted with the manufacturing and installation of business composite seats as well as front row monuments on an Airbus A350 aircraft for the Safran Group. It produces serial composite parts for commercial airlines on a regular basis. They manufacture privacy doors for the Boeing B777-900 along with 16 privacy dividers. This project comprises the completion of sliding and half doors, using their composite techniques to provide resistant lightweight doors.

"We are proud to collaborate with leading companies in the aviation industry," declares Eric Cagnat, Chief Operating Officer, JCB Aero. "We are reaching the next level by installing a Manufacturing Execution System in production. Our company will digitalise all orders and increase the productivity," he confirms.

In the fourth quarter of 2021, Gamit merged with AMAC Aerospace Switzerland AG to further enhance services and client support delivered to the international aviation marketplace.

Founded in 1990, Gamit is headquartered at London Stansted Airport. Its goal is to supply professional and technical support to local and international Maintenance, Repair and Organisation (MRO), airlines, private and corporate aircraft owners.

Its range of support services includes consultancy, engineering project management, technical representation, engineering record audits, digitisation and management of aircraft records (ROAM), and stockist of aircraft spare parts (for commercial/business aviation).

"We believe that by listening to our customers and providing a cost-effective service, as well as focussing on quality and attention to detail, we have become a trusted industry partner to be relied on," says Ian Davies, Gamit General Manager.

"These developments will strength our market position and attract further business," Davies adds. "Currently we are in talks with over 10 potential new customers and hope to gain their trust." J