ACM AIR CHARTER adds Primus Elite™ DU-875 and FMS 6.1 (Batch 3) to its flagship Global Express XRS

Overview
ACM AIR CHARTER is a European corporate jet operator with a reputation for providing sophisticated yet discrete business and private travel for its international business customers. Its fleet includes the ultra long range Global Express XRS and, to stay ahead of its competition, ACM invested in an upgrade to the Honeywell avionics system in the aircraft. This provides a state of the art flight deck, reducing pilot workload and enabling ACM to take advantage of services that cut flight times and reduce fuel burn.

Business Need
Now one of Europe’s leading corporate jet operators, at any one time ACM can be providing commercial and charter services throughout the world, enabling international business leaders to make the most of their packed schedules. Its clients are provided with the ultimate in business and private travel, bypassing congested airports and scheduled services and flying in style in spacious, comfortable cabins, equipped with the latest business tools and technology. Here they can work or relax before arriving as close as possible to their ultimate destination, rested and ready to go.

ACM has built an international reputation for the quality of its services, its aircraft and its people. Managing director Thomas Minninger is determined that this reputation for excellence is protected and enhanced.

**QUICK FACTS**

**Honeywell solution**
Primus Elite™ DU-875 upgrade

**Customer results**
- The Global Express XRS’s enhanced performance – and reduced flight times – builds ACM’s reputation for excellence and customer focus
- The modern, flexible platform gives ACM a benchmark for further enhancements and upgrades
- Operational costs such as fuel usage have been reduced while the value of the aircraft has been increased

**Why ACM AIR CHARTER chose Honeywell**
- Honeywell is regarded as a world leader in avionics technology and flight deck systems
- Honeywell technology is already an integral part of the ACM fleet
- Honeywell’s global reach and network ensures that the solution is supported by world class service and support.

**Customer**
- Name: ACM AIR CHARTER
- Location: Karlsruhe/Baden-Baden, Germany
- Industry: Business aviation services
- Website: www.acm.aero
Solution
The acquisition in 2011 of the Global Express XRS business jet represented another smart growth landmark for ACM AIR CHARTER.

Offering fast, long range and luxurious business travel, the Global Express can seat up to 14 passengers in a large cabin area, has night and daytime configurations and features a wide range of business tools such as Wi-Fi and satellite telephone connections.

The aircraft is equally comfortable operating from big city airports and short runway airfields in remote locations.

Bombardier’s Global Express already possesses one of the most modern and advanced business jet flight decks available, incorporating a Honeywell Primus 2000 XP avionics system with automatic dual flight control and a fully integrated operational design.

However, ACM AIR CHARTER’s determination to maintain the leadership position so valued by its customers prompted Thomas Minninger to commit to a further upgrade to incorporate Primus Elite DU-875 liquid crystal display technology, replacing the original CRT displays.

Completed in Tucson, Arizona in summer 2013 during routine maintenance, the upgrade was the first carried out on a European-based business jet and provides a range of additional features and functionality.

Benefits
“The installation was done perfectly at the Bombardier/Honeywell service centre in Tucson and it has dramatically reduced pilot workload,” added Minninger.

“The Jeppesen charts are great and now, using FANS and text messaging via satcom, pilots don’t have to work the usually noisy HF radio, which can sometimes be difficult.”

“There are Jeppesen electronic charts and maps, video playback capability and high resolution LCDs which are accessible through a cursor-driven, on-screen interface.

While the aircraft was in Tucson, ACM also took advantage of the latest flight management system software upgrades that provide improvements in temperature compensation and to final approach and navigation database procedures.

Further upgrades produced improvements to the accuracy and integrity of GPS positioning to further assist decision making and to equip the aircraft for Required Navigation Performance (RNP) and WAAS LPV approaches.

The DU-875 upgrade also enables the Global Express to take advantage of the growing Future Air Navigation System (FANS), which allows more aircraft to safely and efficiently utilise a given volume of airspace, reducing fuel burn and flight times.

Enhanced functionalities include new airport maps, approach charts, en route electronic moving maps with geopolitical boundaries, navigational aids, and aircraft position and map links with the flight management system.

Originally introduced for Boeing 747s, accessing FANS enables ACM’s Global Express to take advantage of more efficient routes by opening up more direct routings – reducing fuel burn and flight times.

“The upgrade has added value to our Global Express,” concluded Thomas Minninger.

“But it also delivers value and performance for our customers, which is vital.

“Honeywell technology is great, but its people are great too and they work really hard to get the job done to a really high standard. Honeywell does not disappoint.”

Thomas Minninger, managing director, ACM AIR CHARTER