



DIAMOND AIRCRAFT SPECIAL MISSION AIRCRAFT DIVISION ANNOUNCES MAJOR 2025 ADVANCEMENTS AND UNVEILS 2026 DEVELOPMENT ROADMAP FOR THE DA62 MPP

News / Manufacturer



Diamond Aircraft Special Mission Aircraft Division announced a series of significant technical developments completed in 2025 for the DA62 MPP, the company's flagship multi-purpose platform. These advancements reflect Diamond's ongoing commitment to enhancing mission capability, operational safety, and global interoperability. In parallel, Diamond is pleased to release its forward-looking roadmap for 2026, outlining a new wave of innovations designed to further expand the DA62 MPP's role as one of the world's most versatile and efficient special mission aircraft.

2025 Achievements

In a year of certified enhancements and operational breakthroughs, Diamond Aircraft executed major upgrades across connectivity, certification, and avionics integration in 2025. These strengthened the DA62 MPP's performance for ISR, law enforcement, environmental monitoring, and maritime surveillance operators worldwide.

- Starlink Mini connectivity demonstrated through extensive flight trials: Over a six-month period, Diamond conducted Starlink Mini test flights across Europe and parts of North Africa.

The trials validated stable, high-bandwidth airborne connectivity. These results confirm the DA62 MPP's ability to support real-time sensor data streaming, VOIP communication, mission system synchronization, and cloud-based workflows, laying the groundwork for next-generation beyond-line-of-sight (BLOS) capabilities at a much lower cost compared to conventional BLOS systems.

- Maximum Take-Off Mass (MTOM) increase certified: Diamond successfully certified an MTOM increase from 2,300 kg to 2,360 kg, enabling operators to carry additional mission equipment, sensors, or fuel without compromising performance or safety.
- FIKI certification for dedicated MPP configurations: In 2025, the DA62 MPP received certification for Flight Into Known Icing (FIKI) for specific MPP configurations, significantly expanding operational dispatch reliability in challenging weather environments.
- Diversity transponder integration and certification: The DA62 MPP is now certified with an integrated diversity transponder, improving visibility and communication robustness with ground-based and space-based ADS-B receivers. This upgrade enhances tracking continuity in remote regions and during low-altitude mission profiles.

2026 roadmap

Diamond Aircraft has defined an ambitious development roadmap for 2026, focusing on aerodynamic efficiency, crew situational awareness, sensor versatility, and mission-equipment integration. Looking ahead, this will advance mission flexibility and operational capability.

- Improved BLOS Radome: A newly developed radome with reduced aerodynamic drag will enhance BLOS system performance on the DA62 MPP.
- Tail Camera Integration: A dedicated tail-mounted camera, fully integrated into the Garmin G1000 MFD, will provide improved situational awareness in complex mission environments.
- Dedicated Supplemental Type Certificate for non-eye-safe laser installations: Diamond will introduce a dedicated STC enabling safe and globally compliant integration of non-eye-safe lasers, supporting advanced mapping systems.
- New Universal Mounting Frame: The new I-Frame is a belly structure that will provide a universal interface for carrying payloads such as RIEGL VQX-2 LiDAR systems or droppable life rafts for maritime SAR applications. This modular pod expands the DA62 MPP's ability to serve multi-role missions.
- New BR800 Radar Pod: A newly developed BR800 pod will allow the integration of multi-mission surveillance radars, further extending the platform's maritime, border surveillance, and reconnaissance capabilities.

Driving continuous innovation

The achievements in 2025 and the roadmap for 2026 underscore Diamond Aircraft's commitment to delivering cutting-edge solutions that enhance mission effectiveness, reduce operator workload, and ensure full compliance with global certification standards.

Diamond Aircraft looks forward to continuing its investment in advanced mission systems, aerostructures, and certification programs, ensuring that the DA62 MPP remains one of the most capable, efficient, and future-ready special mission platforms in its class.

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