ST Engineering

PIONEERING THE PRODUCTION OF COMPLEX AEROSTRUCTURES

ST ENGINEERING MRAS

WELCOME
TO ST ENGINEERING MRAS

ST Engineering MRAS is a world-leading manufacturer of complex aerostructures for the global aerospace industry. With over 96 years of aerospace heritage and as part of the ST Engineering group, MRAS combines deep engineering expertise, industrial scale, and disciplined execution to deliver safety-critical structures for commercial and business aviation, defense, and space applications.

MRAS specializes in advanced composite and multi-material systems where performance, certification, and reliability are paramount. From nacelle systems and thrust reversers to complex airframe structures and advanced assemblies, MRAS supports customers across the full product lifecycle, from early concept development through certified production and long-term in-service support.

ST Engineering believes that creating value for our stakeholders in a sustainable manner is essential to the Group's success.

Part of a Global Engineering Group

As a wholly owned subsidiary of ST Engineering, MRAS operates within a global network of aerospace, defense, and engineering capabilities. This relationship provides long-term stability, investment strength, and access to a global customer base, while preserving MRAS's distinct identity as a specialist aerostructures manufacturer.

The combination of local execution and global reach allows MRAS to support both regional and international programs with confidence.

Engineering a More Sustainable Future

Sustainability at MRAS is achieved through engineering rigor rather than aspiration alone. Lightweight composite structures improve fuel efficiency and reduce emissions. Advanced manufacturing methods minimize material waste, rework, and energy consumption. Digital tools support right-first-time production and shorten development cycles.

By integrating materials, process, automation, and data, MRAS enables customers to meet performance, regulatory, and environmental objectives simultaneously, without compromise.

Heritage Built on Innovation

Located on Maryland's Chesapeake Bay in Baltimore, MRAS and its predecessor organizations have played a defining role in aerospace innovation for nearly 100 years. From early aircraft design and production to pioneering composite technologies, the site has continually evolved to meet the changing demands of aerospace manufacturing.

This heritage underpins today's capabilities, combining proven industrial knowledge with modern digital manufacturing and automation.

Engineering Expertise Across Critical Aerospace Sectors

Business Aviation

MRAS plays a prominent role in the business aviation market, specializing in the design and manufacture of advanced nacelle systems and aerostructures for leading business jet platforms. Products are engineered to optimize aerodynamic efficiency, reduce noise emissions, and enhance overall aircraft performance. Programs such as the Bombardier Global 7500 and 8000 demonstrate MRAS's ability to deliver lightweight, structurally efficient, and acoustically optimized solutions aligned with premium aviation requirements.

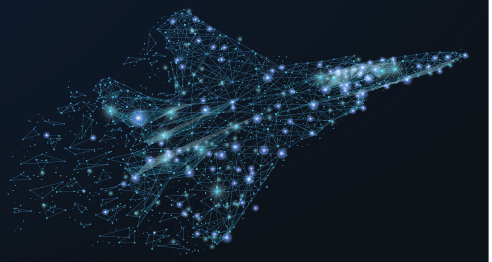
Working closely with business jet OEMs, MRAS ensures products and systems meet stringent certification and performance standards through advanced composite manufacturing, automated fiber placement, and precision assembly techniques. As an authorized FAA and EASA Part 145 Repair Station, the company supports maintenance, repair, and overhaul activities, including the Global 7500, and maintains an exchange pool of major nacelle repairable components to minimize downtime and ensure operational continuity.

Commercial Aviation

MRAS is a leading provider of thrust reversers, nacelle systems, and specialized aerostructures for major global aircraft platforms. With thousands of nacelles in service across Boeing and Airbus families, including the 747, 767, A330, and A320neo, MRAS products are proven in revenue service worldwide. The company integrates structural, acoustic, thermal, and certification requirements to deliver reliable, flight-ready hardware at production scale.

In collaboration with aircraft OEMs, engine manufacturers, and operators, MRAS supports the full product lifecycle through design, production, technical services, spare parts support, and FAA/EASA Part 145 maintenance, repair, and overhaul for major commercial programs such as the A320neo, 787, A320, and 737. This integrated approach ensures continuity from development through sustained operational performance.

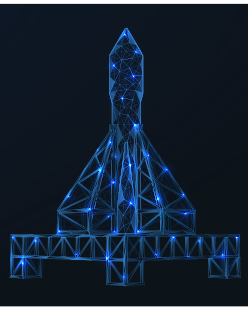
Defense



Within the defense sector, MRAS designs and manufactures complex aerostructures and high-performance composite components engineered to meet the rigorous demands of military operations. Programs supported include platforms such as the C-130 Hercules, C-5 Galaxy, V-22 Osprey, P-3 Orion, CH-47 Chinook, AH-64 Apache, and E-7 Wedgetail, where structural integrity, durability, and mission readiness are critical.

MRAS applies advanced manufacturing technologies, including automated fiber placement and precision assembly systems, to deliver mission-ready structures with repeatable quality and proven performance. The company also provides technical support, spare parts, and authorized repair services to sustain operational availability, ensuring long-term reliability across demanding defense environments.

Space Systems



MRAS maintains a longstanding presence in the space sector, leveraging advanced composite expertise and precision manufacturing capabilities to support spacecraft and launch vehicle structures. Experience includes contributions to early human spaceflight programs and ongoing participation in modern space initiatives requiring lightweight, high-strength composite structures capable of performing in extreme environments.

Building on this heritage, MRAS supports next-generation space applications through disciplined manufacturing controls and aerospace-grade quality standards that ensure reliability in high-consequence launch and orbital missions. The company's composite and large structure assembly capabilities position it to contribute to evolving space missions.

Products and Services

MRAS designs, develops, and manufactures a wide range of complex aerostructures, including:

- Complete nacelle systems and components.
- Exhaust nozzles and engine build-ups (EBUs).
- Complex composite and metallic airframe structures.
- Multi-material assemblies and integrated systems.

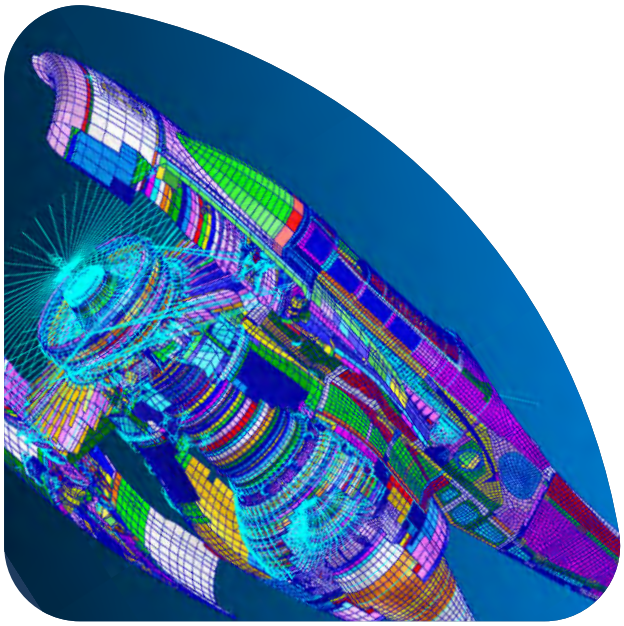
MRAS also supports customers during new product introduction, providing engineering guidance and manufacturing expertise to enable smooth program ramp-up.

Lifecycle Support
MRAS provides lifecycle support to sustain aircraft availability and performance from entry into service through long-term operation. Capabilities include spare parts production, rotable exchange programs, technical services, and aircraft-on-ground responsiveness, supported by OEM engineering knowledge and global inventory visibility.

Maintenance, Repair and Overhaul
MRAS operates an FAA and EASA Part 145 certified repair station supporting nacelle systems and complex aerostructures. Capabilities include maintenance, repair, overhaul, composite and metallic bonding, structural restoration, and Performance Improvement Package work performed to OEM standards.

Facilities
MRAS operates more than 2 million square feet of manufacturing space, including dedicated clean room layup areas, assembly halls, MRO facilities, and future expansion capacity. The site is supported by direct access to road, rail, air, and sea logistics.

Certifications
MRAS operates under a robust aerospace quality and regulatory framework and is certified to AS9100 Rev. D, AS9110C, and ISO 14001. The company maintains FAA Part 145 and EASA Part 145 (EASA.145.6726) approvals and holds Nadcap accreditations for Non-Destructive Testing, Chemical Process, and Composite Manufacturing, supporting certified production and MRO activities across global aerospace programs.



A Trusted Aerospace Partner

ST Engineering MRAS delivers engineering certainty in an increasingly complex aerospace environment. From concept to certified production and aftermarket support, MRAS provides the capability, discipline, and reliability required by the world's most demanding aerospace programs.

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MRAS is certified to AS 9100 Rev.D, FAA 145 and EASA 145-6726

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