

More mobility for the world

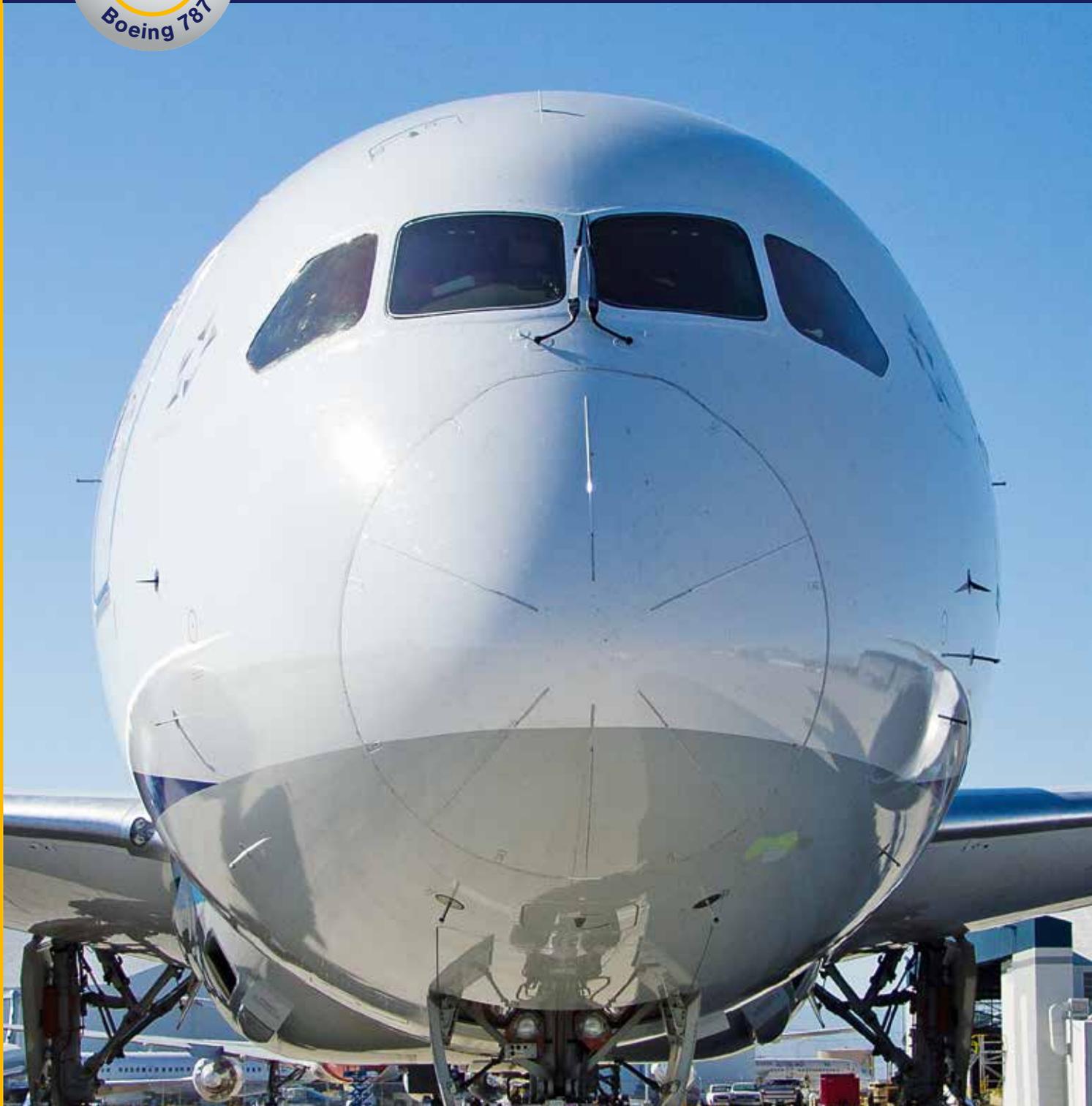


Lufthansa Technik



Services for the Boeing 787

Maintaining the dream





Keeping the future flying

The Dreamliner is not a dream anymore, it's a flying reality. With it, Boeing brought about a new era in commercial aviation, and now airlines all over the world face the daily challenge of maintaining an aircraft that is the first of its kind in many of its core technologies. Support from an experienced MRO provider is essential in order to make the most of the excellent qualities this new jet airliner promises.

Turning a vision into a profitable reality

Lufthansa Technik has played an important role in the success story of many Boeing aircraft, having contributed valuable technical and commercial expertise to the development of successful airliner families such as the 737 and 747. No other MRO provider

can be proud of such a strong history of support for aircraft development. In line with this heritage, engineers from Lufthansa Technik were involved in the development of the Boeing 787 and the maintenance concept for the Dreamliner right from the start. Consequently, Lufthansa Technik is able to ensure worry-free technical operations from the first day of service.

Merging generations for the future

Especially in the initial phase of operating a new type, dedicated technical support is a major success factor for an operator. And when it comes to merging the newest jet generation with existing fleets, Lufthansa Technik is the ideal partner for the smooth technical operation of the Boeing 787 Dreamliner.



A solid footing for success in the air

The Boeing 787 represents another quantum leap in technology, from the large share of composites used in its primary airframe structure to its highly advanced turbofan engines, systems structure, avionics and high-pressure hydraulics. Lufthansa Technik has been investing heavily in preparation for maintaining these new technologies both reliably and cost-efficiently. As proven with the smooth introduction of other newest-generation commercial aircraft, this foresighted approach pays off for our customers today.

Life cycle services from day one

Our component shops understand the 787's technology and have the tools and experience to handle

and repair it. So in addition to an established supply chain and global supplier partnerships, Dreamliner operators will find Lufthansa Technik as a MRO provider with the full competence required to deliver complete coverage of spares support from day one. The same readiness applies to the dedicated diagnostic and repair processes established by our renowned Airframe Related Component (ARC®) services, which draw from decades of experience in operating and repairing commercial aircraft with major composite components.

Lufthansa Technik and the 787 – a perfect match

With its unrivaled airline background, its experience in technologies and a global logistics network, Lufthansa Technik is truly ready to keep the future flying.

Life cycle efficiency for the Dreamliner

Lufthansa Technik's decades of experience in composite structure maintenance, repair and overhaul are now benefiting the newest generation of ultra-efficient Boeing widebody jets. The company has established a portfolio of products and services to provide the very best technical support for all 787 operators for all phases of the Dreamliner's life cycle.

Entry into service (EIS)

- Aircraft Production Inspection (APIP)
- Phase-in support
- Transition

Modification

- Aircraft modification
- Cabin modification

Supplementary services

- Logistics
- Training

eServices

- MRO-related IT integration (incl. manage/m®, m/condition)

Production Inspection

Lufthansa Technik offers 787 operators and owners an in-depth Aircraft Production Inspection Program (APIP). The early detection, documentation and rectification of production defects, enhances reliability in later operation and ultimately adds to the value retention of the aircraft. Lufthansa Technik's highly experienced inspection staff is embedded in the manufacturer's production facilities.

Introduction Support

A reality in today's dynamic aviation industry is the parallel operation of new and existing fleets. This means familiar technology and established processes on the one hand, and new technologies, support processes and training on the other. The introduction of a new aircraft such as the 787 requires that an integrator such as Lufthansa Technik ensure worry-free operation right from the start.

Component Services

Lufthansa Technik offers single-source services that greatly reduce the complexities associated with the provision of spare parts. Overhauls and repairs, including warranty handling, are part of the available package. The combination of in-house repair capabilities, global supplier partnerships and supply chain options, ranging from Single Component Maintenance (SCM) to Total Support Services, means that 787 fleets of any size will enjoy cost benefits normally only achievable by the largest fleets.





Operations

- Line/Base maintenance
- Material management
- Component repair/pooling
- Engine services
- Composite repairs (ARC®)
- Ground support equipment

Engineering

- Aircraft Engineering Services (AES)
- Engineering/Troubleshooting
- Health management

Ad-hoc support

- AOG support
- On-wing services
- Airline Support Team (AST®)

Base Maintenance

Lufthansa Technik and its worldwide base maintenance network is known for leading-edge and specialist services with minimized ground times. Relying on decades of experience in flight and with technically-advanced aircraft, the full range of maintenance services for the Boeing 787 includes modifications, cabin refurbishments, external paint repairs, specialized inspections, airworthiness directives, and compliance checks.

VIP Completion

Completing the VIP version of a Boeing 787 is a special task – and one that Lufthansa Technik can master. We have extensive experience with composites and are involved in a number of research programs that address the prerequisites of this modern aircraft.



For more information:
www.lufthansa-technik.com/787



Competence in composites

With several decades of experience in maintaining commercial aircraft with major composite components, Lufthansa Technik is the operationally proven partner for composite repair and overhaul. Lufthansa Technik has invested substantially in a new large autoclave and in automated processes as well as in research on innovative repair technologies. As a result, the company is ready for the future's demands for repairs of large composite airframe structures.

ARC® network worldwide

Lufthansa Technik offers its composite MRO services – branded as Airframe Related Components (ARC®) – within a network of specialists. In a customer-oriented approach, ARC repair and spare part services are offered directly in the regions: dedicated composite maintenance, repair and overhaul facilities have been established in North America (Sun Valley, California and Fort Lauderdale, Florida), Asia (Shenzhen) and the Middle East (Dubai) in addition to the facility at headquarters in Europe (Hamburg).



Lufthansa Technik's global network for composite repairs.

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