

More mobility for the world



Lufthansa Technik



Services for the A350 XWB

Extra-wide support





The new shape of maintenance

With the entry into service of the A350 XWB (extra-wide body), Airbus is ushering in a new era in commercial aviation – ultra-efficient long-range travel in a new aircraft class. Yet support by an experienced MRO provider is essential in order to make the most of the excellent qualities this new twin-jet aircraft promises.

Turning a vision into a profitable reality

Lufthansa Technik has always played an important role in the unprecedented success story of Airbus: our engineers have contributed valuable technical and commercial expertise to the development of new Airbus aircraft. No other MRO provider can be proud of such a strong history of supporting aircraft development. With the newest Airbus twin jet, Lufthansa Technik once again helped to turn the vision of a new aircraft into a working reality. Lufthansa Technik's engineers participated in the A350 Customer Focus Group and are supporting the manufacturer with respect to maintainability and maturation.

Preparation on the ground means success in the air

The Airbus A350 XWB is another quantum leap in technology, from the large share of carbon fiber composites and titanium alloys used in its structure to its highly advanced turbofan engines. Since a number of its system technologies are derivatives of its larger sister, the A380 – such as the solid state power control, variable frequency generators and high-pressure hydraulics – Lufthansa Technik has already gained substantial experience with these new systems and their specific features. As proven with the smooth introduction of the A380, the effort Lufthansa Technik invests in preparation for new aircraft types pays off for its customers.



Life cycle services from day one

Our component shops know the technology and have the tools and experience to handle and repair it. So in addition to an established supply chain, A350 XWB operators find in Lufthansa Technik an MRO provider with the full competence required to provide all-around 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.

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 into one product, Lufthansa Technik is the ideal partner for worry-free operation of the A350 XWB. With its unrivaled airline background, its experience in technologies and a global logistics network, Lufthansa Technik is truly ready for extra-wide support.

Life cycle efficiency for the A350 XWB

Lufthansa Technik's decades of experience in Airbus and composite structure maintenance, repair and overhaul are now benefiting the newest generation of ultra-efficient Airbus long-range aircraft. Our goal: to provide the very best technical support for all A350 operators right from the start.

Entry into service (EIS)

- Aircraft Production Inspection
- Phase-in support
- Transition

Modification

- Aircraft modification
- Cabin modification

Supplementary services

- Logistics
- Training

eServices

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

A350 XWB Production Inspection

Lufthansa Technik offers A350 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.

A350 XWB Component Services

Lufthansa Technik is on track to provide broad A350 component services, offering 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 strong in-house repair capabilities and supply chain options, ranging from Single Component Maintenance (SCM) to Total Material Operations (TMO®), means that A350 fleets of any size will enjoy cost benefits normally only achievable by the largest fleets.

A350 XWB 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 A350 requires that an integrator such as Lufthansa Technik ensure worry-free operation right from the start.





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®)

Trent XWB Engine Services

The new Trent XWB engine family is right at home at Lufthansa Technik. Our engine shop N3, a joint venture with Rolls-Royce, is the established Trent engine service provider. Thus Lufthansa Technik is fully prepared to support the Trent engines selected to power the Airbus A350 XWB.

Supporting the HGT1700 APU

Based on its wide competence, Lufthansa Technik was selected by Honeywell as official warranty station and single source for MRO for the HGT 1700 Auxiliary Power Unit.

A350 XWB VIP Completion

Completing the VIP version of an A350 XWB is a special task that Lufthansa Technik is well prepared for because of its experience with composites and also owing to a number of research programs addressing the prerequisites of this modern aircraft.

Technical Training

Lufthansa Technical Training is preparing to meet the future training demands of the A350 XWB and its technologies through continuous development of its existing course program.



Competence in composites

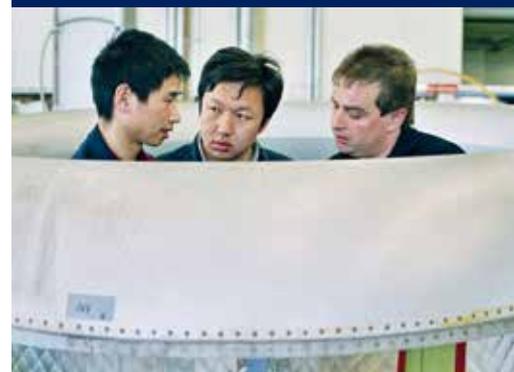
With several decades of experience in maintaining commercial aircraft with major composite components, Lufthansa Technik is the operationally proven partner for composite repair and overhaul. Lufthansa Technik has invested considerably in a new large autoclave and in automated processes as well as in research on innovative repair technologies. The MRO provider 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).



For more information:
www.lufthansa-technik.com/a350



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