



**We power
your LEAP**



We are ready to support your LEAP-1A and LEAP-1B engine operations, representing the next generation of aircraft engines. As a premier MRO provider, we offer the full spectrum of MRO services, ranging from Mobile Engine Services to Full Performance Restoration Shop Visits up to piece part level for your LEAP engines.

The foundation for developing capabilities for these state of the art engines was laid in February 2018, when Lufthansa Technik became the first premier MRO provider to join the LEAP-1A overhaul network. In January 2022, we continued to expand our product portfolio by adding the LEAP-1B. Thereby making Lufthansa Technik the first premier MRO provider being a partner in both overhaul networks. As of 2024 we have achieved full capability including testing on both engine types, LEAP-1A and LEAP-1B. Our decades of experience, highly skilled mechanics and airline perspective enable us to offer customized services for all phases of your engine's lifecycle. Our tailored solutions and in-house repair capabilities guarantee outstanding quality with short turnaround times. We offer the widest range of services to optimize your total cost of ownership and to support your operations.

Services

Lufthansa Technik offers a comprehensive MRO portfolio to optimize the lifecycle of your engines. This is based on the development of new technologies and processes tailored to your needs and includes multiple individual contract and pricing models.

Benefits

Premier MRO provider for LEAP engines

Flexible engine MRO solutions tailored to your needs

Focus on optimizing your total cost of ownership

Complete engine disassembly and assembly into piece part level

Worldwide support through Mobile Engine Services

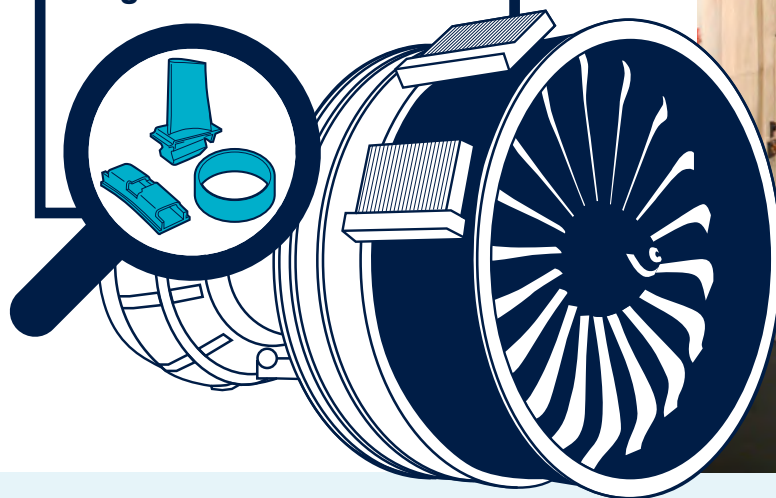
In-house test capabilities in Hamburg, Wrocław and Calgary to follow in the future

Combining long-standing MRO experience and airline know-how

Extensive experience with the introduction of new engine types

Digital support through AVIATAR: transparency and tracking of your MRO events and more

Ranging from Mobile Engine Services to Full Performance Restoration Shop Visits up to piece part level for your LEAP engines.



Lufthansa Technik is the independent MRO Provider for your LEAP-1A and LEAP-1B Engine

Operational support

 **Mobile Engine Services**
InFIELD & InSTATION various services e.g. HPC boro blend, QEC removal and installation, Fuel Nozzle replacement, Reverse Bleed System

 **Cycleclean® Engine Wash**
Present at more than 80 locations worldwide, countless mobile options, up to 80% time and man hour savings compared to AMM procedure, best in class EGT recovery and fuel flow reduction

 **Spare engine support**
Minimizing aircraft downtime and ensuring reliable engine operation through comprehensive spare engine support, including lease-in solutions

 **Engine Health Monitoring**
Proactive approach that uses data and analytics to identify potential problems in aircraft engines before they cause major issues, enhancing safety and reducing operational costs

 **AVIATAR**
Transparency and tracking of your MRO events, predictive maintenance applications and more visualization of data

 **Engineering services**
incl. AD/SB assessment, workscoping, engine maintenance planning, failure-analysis, lease transition, long-term product improvement and Design Organisation EASA Part 21J

 **Wing-to-wing services**
incl. engine removal, transport to shop, repair, replacement engine

Shop support

 **Full performance restoration shop visits**
incl. engine test capability

 **Quick Turns and minor shop visits**
incl. HPT Shroud and Blade replacement

 **Parts and component repair and component handling**
incl. Cleaning and Inspection, Touch-up repairs and LLP/ non-LLP repairs

 **Warranty handling (warranty station)**
incl. Warranty delegation and OEM support programs (e.g. commitment letters, warranty extensions)

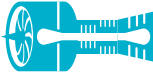
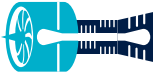
 **Housekeeping services**
incl. Incoming BSI, Engine Preservation, Engine Storage etc.

 **SmartLIFE**
Fully customizable modular approach that includes consulting services, digital solutions and technical fulfilment, tailored to your fleet, to reduce your engine MRO costs

 **Virtual Engine Inspection**
provided via 5G network: virtual table inspection and virtual video boroscoping

 **Engineering Expertise and Customized Workscoping**
With extensive engineering experience in engine maintenance, we continuously develop tailored solutions and customized worksopes designed to reduce your total cost of ownership

Lufthansa Technik capability list up to piece part level

Workscopes		In shop		In FIELD	
		LEAP-1A	LEAP-1B	LEAP-1A	LEAP-1B
Engine 	Receiving inspection	✓	✓	✓	✓
	Shipping Stand inspection	✓	✓		
	Full video BSI incl. virtual BSI	✓	✓	✓	✓
	C-Check	✓	✓	✓	✓
	QEC removal and installation	✓	✓	✓	✓
	Fwd./Aft. Mount removal and installation	✓	✓		
	Engine Acceptance Test	✓	✓		
	Cyclean® - Engine Water Wash	✓	✓	✓	✓
	Engine preservation	✓	✓		
	Lease return and transition	✓	✓	✓	✓
	Engine Thrust rating alteration	✓	✓		
	EEC software updates	✓	✓		
	Fan Blades Set removal and installation	✓	✓	✓	✓
	Fan Blade repair	✓	✓	✓	✓
	AGB removal, repair and installation	✓	✓	✓	✓
	TGB removal, repair and installation	✓	✓	✓	✓
	Reverse Bleed Air System retrofit	✓	✓	✓	✓
Fan Module 	IGB removal and installation (Quick Access Procedure)	✓	✓		
	IGB Removal, Repair and installation	✓	✓		
	Fan and Booster Module disassembly & assembly	✓	✓		
	Fan and Booster balancing	✓	✓		
	No. 1 & No. 2 Bearing Support Module disassembly & assembly	✓	✓		
	Fan Case Module disassembly & assembly	✓	✓		
	Fan Frame Module disassembly & assembly	✓	✓		
Core Module 	HPT Stage 1 Shroud replacement	✓	✓		
	HPT Stage 1 Blade replacement	✓	✓		
	HPC Combustor + fuel nozzle	✓	✓		
	HPC TCF	✓	✓		
	HPC Rotor Module disassembly & assembly	✓	✓		
	HPC Stator Module disassembly & assembly	✓	✓		
	HPC Rotor balancing & grinding	✓	✓		
	HPC Blisk & Blade boro blending	✓	✓	✓	✓
	Combustor Diffuser Module Nozzle disassembly & assembly	✓	✓		
	Fuel Nozzle Replacement	✓	✓	✓	✓
	Combustion Chamber Module disassembly & assembly	✓	✓		
	HPT Rotor Module disassembly & assembly	✓	✓		
	HPT Stage 1 Nozzle Module disassembly & assembly	✓	✓		
	HPT Stage 2 Nozzle Module disassembly & assembly	✓	✓		
	HPT Rotor balancing	✓	✓		
	HPT Rotor & Stator grinding	✓	✓		
	TCF Module disassembly & assembly	✓	✓		
LPT Module 	LPT Stage 1 Nozzle Module disassembly & assembly	✓	✓		
	LPT Stage 1 Blade Retainer Ring replacement	✓	✓		
	LPT Shaft Module disassembly & assembly	✓	✓		
	LPT Rotor and Stator Module disassembly & assembly	✓	✓		
	LPT Rotor balancing	✓	✓		
	Turbine Rear Frame Module disassembly & assembly	✓	✓		✓

Quick Turn procedures

✓ ready

✓ available 2026

Contact

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