



Lufthansa Technik

World of services

Mobile Engine Services in EMEA

Mobile Engine Services by Lufthansa Technik offers a broad spectrum of customized repair and maintenance solutions within Europe, Middle East and Africa. These specialized solutions keep your engines flying while avoiding costly shop visits. They range from individual borescope inspections to comprehensive engine fleet programs, from scheduled maintenance events at your site to emergency repairs.

Customer advantages

Minimized impact on aircraft operation through short turnaround times

Sustainable reduction of total MRO cost

No shipping cost if event is performed on-wing/on-site

Surgical repair solutions with minimum workscopes

Fast SB and AD implementation

Mobile Engine Services is Lufthansa Technik's fast track to avoid major shop visits. Depending on the requirements of the individual repair solution, the available options range from InFIELD services provided by our Airline Support Team (AST® Engines) to a number of quickturn events performed at our local repair stations in Dublin, Ireland and Frankfurt, Germany. A Cycleclean® Engine Wash* at one of the locations of our continuously growing regional Cycleclean® station network is also part of our InOPERATION offering for customers in EMEA.

An exemplary case for the InFIELD® Engines solutions

In standard operation on CFM56-7B engines, the Fan Containment Case and the Fan Frame Shroud are sensitive engine parts where unacceptable findings like scratches, corrosion or erosion can occur. If a repair is not possible anymore a replacement becomes necessary.














































































To avoid a shop visit, Lufthansa Technik's Mobile Engine Services has developed a procedure to replace the Fan Containment Case and/or the Fan Frame Shroud at the removed engine InFIELD at the aircraft's location. This procedure takes five days for the Fan Containment Case and nine days for the Fan Frame Shroud at most and can be carried out during a suitable layover, for example a C-Check. A serviceable Fan Case or Fan Frame Shroud gives the customer the chance to use the engine for its entire potential life.

* For more information about Cycleclean® Engine Wash, please refer to a separate data sheet or visit our website www.lufthansa-technik.com/Cycleclean

Mobile Engine Services: Your solution-oriented approach



Lufthansa Technik capability list

	CFM56-5B/-7B		V2500		LEAP-1A	
Engine 	Engine C-Check (Lufthansa Standard)		Engine C-Check (Lufthansa Standard)		Engine C-Check (Lufthansa Standard)	
	Engine Preservation		Engine Preservation		QEC Removal and Inspection	
	QEC Installation		QEC Installation		QEC Installation	
	QEC Removal and Inspection		QEC Removal and Inspection		Video Borescope Inspection (w/ 360 degree inspection of HPT Shrouds and HPT Nozzles)	
	Video Borescope Inspection and Report		Video Borescope Inspection and Report			
Fan Module 	Accessory Gearbox Replacement (AGB)		Angle Gearbox Replacement (AGB)		Fan Blade Replacement (incl. Fan Blade Mapping)	
	Brg. No. 3 Front Seal (270°) Replacement		External Gearbox Carbon Seals Replacement			
	Brg. No. 3 Stationary Air Oil Seal Replacement		Fan Blade Replacement			
	Fan Abradable Liner Replacement		Fan Case Attrition, Anti-Ice or Acoustic Panel Replacement			
	Fan Blade Replacement		Fan Case Replacement			
	Fan Containment Case Replacement		Fan Exit Guide Vane Replacement			
	Fan Disk Replacement		Fan Hub Replacement			
	Fan Frame Bearing Unit Replacement (2BU)		Fan Trim Balance			
	Fan Frame Shroud Replacement		LPC Module Replacement			
	Inlet Gearbox Replacement (IGB)		LPC Stg. 1.5 Blade Replacement			
	LPC Blade Replacement		LPC 2.5 Bleed System Repair/Replacement			
	LPC Module Replacement		Main Gearbox Replacement (MGB)			
	Transfer Gearbox Replacement (TGB)		N1 Probe/Harness/Vibration Sensor Replacement			
			No.3 Bearing Replacement			
Core Module 	Combustion Chamber Replacement		Combustor Module Replacement		Fuel Nozzle Replacement	
	Fuel Nozzle Replacement		Combustor Panel Replacement		HPC Boro Blend Repair	
	HPC Boro Blend Repair		Fuel Nozzle Replacement			
	HPC VSV Bushing Repair		HPC Module Replacement			
	HPT Blade Replacement		HPC Stg. 3.-8. Drum Replacement			
	HPT Module Replacement		HPC Top Case Repair (Front Split Cases)			
	HPT Front Rotating Air Seal Replacement		HPT Blade Replacement			
	HPT NGV Module Replacement		HPT Module Replacement			
	HPT Stg. 1 NGV Replacement		HPT T1/T2 Hub Replacement & USI			
	IGV Actuation Ring Replacement		HPT Single Nozzle Guide Vane (NGV) Replacement			
	LPT Stg. 1 NGV Replacement		M-Flange Diff-NGV-HPT Case Replacement			
	Top Case Repair					
LPT Module 	Brg. No. 5 Replacement		Brg. No. 5 and Carbon Seal Replacement			
	LPT Module Replacement		Brg. No. 5 Blind Cap Seal Replacement			
	TRF Replacement		Brg. No. 5 Oil Coking			



InFIELD (on-wing)

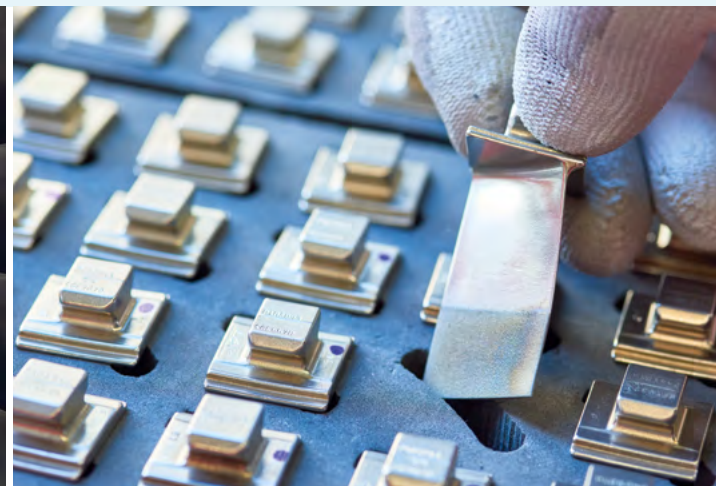


InFIELD (on-site)



InSTATION

Mobile Engine Services in EMEA



Lufthansa Technik

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