



Willis Asset Management Limited
A subsidiary of Willis Lease Finance Corporation



Capabilities Portfolio

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NEW FOR 2021

Willis Aircraft Maintenance & Storage ("WAMS") is the latest division of Willis Lease Finance Corporation specialising in aircraft MRO solutions. WAMS' capabilities support and complement the Willis Platform™ providing operators and asset owners with line maintenance support along with aircraft parking, storage and disassembly services from our approved 145 MRO facility at Teesside International Airport in the UK.

800+ MANAGED ENGINE PORTFOLIO

Willis Asset Management has a managed engine portfolio of 800+ engines and provides ongoing independent expertise on all aspects of maintenance costs, reliability, on-wing performance, maintenance, repair and overhaul options and OEM reliability measures / fleet campaigns. The unique access to our owned and managed fleet data affords insights into actual operations for the management of technical and financial risk.

- PW1000G
- V2500
- PW2000
- PW4000
- CFM56-3
- CFM56-5
- CFM56-7
- LEAP
- CF34
- CF6-50
- CF6-80
- GE90
- GENx
- RB211-535
- Trent-500
- Trent-700
- Trent-800
- APUs



PART 145



Federal Aviation Administration



EASA
European Aviation Safety Agency

Willis Asset Management is a fully approved Part 145 maintenance facility with EASA /FAA dual-release capabilities including lease return transitions, C-Checks, modifications, borescope inspections and engine storage and preservation in a state of the art 100,000 sq. ft facility in the UK.

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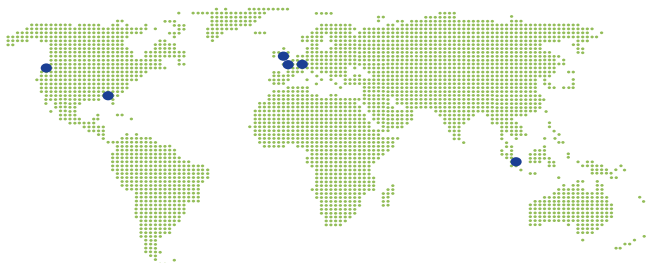
CAMO

Willis Asset Management is a fully approved CAMO organisation (UK.MG.0736). We are able to combine years of extensive transition and maintenance management with technical representation experience into a fully rounded and complete service offering for both lessors and operators.



1600 SHOP VISITS

Willis Asset Management has managed over 1600 shop visits and has proven experience in negotiating technical agreements with commercial considerations (through engine selection, lease, purchase, maintenance agreements and RFQs).



GLOBAL

Willis Asset Management consultancy is underpinned by unrivalled experience and an international presence, allowing us to deliver exceptional service to our global customers. With dedicated teams available to deploy at a moment's notice, Willis Asset Management is ready to provide the support and advice you need, when you need it.

Consultancy Services

ENGINES



		APPLICABLE SERVICES BY CUSTOMER TYPE					
		AIRLINE	LESSOR	FINANCIER	MRO	ASSET / PARTS TRADING	OEM
CUSTOM FLEET & PORTFOLIO PROGRAMS	Airline Fleet Support Programs	•					
	Lessor Portfolio Support Programs		•				
	Fleet ECM / EHM Monitoring Programs				•		
	MRO Support Programs	•			•		
	Technical Publications Support Programs	•	•			•	
	Investor Portfolio Monitoring Programs			•			
CONSULTANCY & ADVISORY	Engine Value Assessments	•	•	•		•	•
	Investor Product Investment Strategy			•			
	Market Sector Analysis	•	•	•	•	•	•
	Maintenance Strategy Analysis	•					
	Engine Option Analysis	•	•	•			
	MRO Selection and Contract Negotiation	•					
	Lease / Purchase Contract Negotiation	•	•	•		•	
	OEM Maintenance Agreement (PBH) Analysis	•	•		•		
	Engine Training	•	•	•	•	•	
	Insurance Claims Support	•	•	•			
	Engine Remarketing Support (Sale or Lease)	•	•				
	End of Life / Exit Strategy Optimisation	•	•			•	
	Fleet Planning Optimisation	•					
Maintenance Cost Forecasting	•	•	•	•		•	
TECHNICAL SERVICES	Pre-Purchase / Lease Delivery Due Diligence	•	•	•		•	•
	Sale / Lease Return Management	•	•	•	•	•	•
	Physical Inspection	•	•	•	•	•	•
	Borescope Inspection Overview	•	•	•		•	•
	Ground Run Representation	•	•	•	•	•	•
	Test Cell Run Representation	•	•	•	•	•	•
	QEC / LRU / Accessory Inventory	•	•	•	•	•	•
	Transportation Check	•	•	•	•	•	•
	Engine Stand Inspection	•	•	•	•	•	•
	Engine Records Audit	•	•	•	•	•	•
	On-wing Troubleshooting Advisory	•	•	•	•	•	
	Engine Performance Data Analysis	•	•	•	•	•	
SHOP VISIT MANAGEMENT	Full Shop Visit Management	•					
	Overview Shop Visit Management		•				
	Workscope Compilation/Review	•	•				
	Dirty Condition Inspection Attendance	•	•				
	Material Sourcing and Review	•	•				
	Test Cell Overview	•	•				
	Post-Shop Visit Documentation Audit	•	•				
	Warranty Management	•	•				
	Invoice Review	•	•		•		
	Maintenance Reserve Claim Analysis		•				
	Scrap Review and Material Value Extraction	•					

Consultancy Services

AIRCRAFT



		AIRCRAFT														
		B737 Classic	B737NG	B737 MAX	B747	B757	B767	B777	B787	A220	A320 Family	A330	A340	A350	A380	Regionals
CONTINUING AIRWORTHINESS SERVICES	Full Continuing Airworthiness Management (for Lessors)		•								•	•				
	Continuing Airworthiness Management Support (for Airlines)	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	Aircraft Phase In, Phase Out and Transition Support	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	Industry Leading Airworthiness Software with full Client Access / Interface Monitoring	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	Review and Management of Airworthiness Directive Compliance	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	Monitoring, Review and Embodiment Management of Service Bulletin Compliance	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	Monitoring Damage Assessment, Repair Certification and Updating of Damage Reports	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	Hard Time, On-Condition Component Management	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	Serialised Component Replacement Management	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	Approved Maintenance Program Production, Development, Amendment and Control	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	Maintenance Planning Long / Short Term	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	Creation of Reliability Programs and Production of Aircraft Reliability Reports	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	Chairing of Periodic Reliability Review Meetings	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	Production, Issue and Management of Line / Base Maintenance Work Packs and Task Cards	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	Control of Out-of-Phase Maintenance Requirements	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	Management, Maintenance, Scanning and Storage of Aircraft Technical Records	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	In-Storage Aircraft Continuing Airworthiness Management	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	Creation, Monitoring of Storage Programs, Issuing and Management of Storage Work Packages	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	ARC / COA Management	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	Full Airworthiness Review Support	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	ETOPS Monitoring and Management	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	Engine Health Monitoring (EHM / ECM), Flight Data Monitoring, Aircraft Condition Monitoring	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	Aircraft Weighing Management	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	Safety / Mandatory Occurrence Reporting	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	Quality Monitoring	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	MEL - Creation and Management	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Modifications Management	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	
Part 21 Design Support Services	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	
Maintenance Event Management (Aircraft Components and Engines)	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	
Defect Monitoring and Management	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	
Technical Logbook Management	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	
Safety Equipment Management	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	
AIRCRAFT CONSULTANCY & ADVISORY SERVICES	Transition Support (Delivery / Redelivery)	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	Aircraft Technical Administration	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	Pre-Purchase Inspections / Due Diligence	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	Mid-Lease Inspections	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	Cargo Conversion Management	•				•	•				•	•				
	EASA AIR OPS Compliance Verification	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	Aircraft Import / Export and Delivery	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	Maintenance Check Management / Oversight	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	Maintenance Check Invoice Review / Cost Sharing Analysis	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	Lease Contract Negotiation Support	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	MRO Contract Negotiation Support	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•

Maintenance Services

ENGINES



● Available ▼ In Development

APPLICABLE SERVICES BY ENGINE MODEL

	CFM56-3	CFM56-5	CFM56-7	LEAP	V2500	PW100/150A	PW2000	PW4000-94"	PW4000-100"	PW4000-112"	PW1000G	RB211	Trent 500	Trent 700	Trent 800	Trent 900	Trent 1000	CF6-50	CF6-80	CF34	GE90	GErx	APU - Various		
BORESCOPE SERVICES	Full Front-to-Back Borescope Inspection	●	●	●	●	●		●	●		●	●	●	●	●	●	●		●	●	●	●	●	●	
	Partial Borescope Inspection	●	●	●	●	●		●	●		●	●	●	●	●	●	●	●		●	●	●	●	●	●
	Special Inspections (Service Bulletins etc.)	●	●	●	●	●		●	●		●	●	●	●	●	●	●	●		●	●	●	●	●	●
	BSI Plugs Removal and Installation	●	●	●	●	●		●	●		●	●	●	●	●	●	●	●		●	●	●	●	●	●
	Boreblending	●	●	●	▼																				
EQUIPMENT STORAGE	Engine Storage	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
	Engine Stand Swaps	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
	Component Storage	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
	Component Receipt / Inventory and Storage	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
	Component Pick / Inventory / Shipment Prep	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
	Engine Shrink Wrapping	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Engine Stand Storage	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
MAINTENANCE	Engine C-Checks	●	●	●	●	●					▼								●	●					
	Engine Lease Return Maintenance Packages	●	●	●	●	●					▼									●	●				
	HPC Top Case Blade Replacement		●	●																					
	Engine Fuel / Oil Systems Preservation (Off-wing)	●	●	●	●	▼														●					●
	QEC Removal / Installation / Exchange	●	●	●	●	●		●	●		▼	●	●	●	●	●	●	●		●	●				
	Thrust Rating Changes	●	●	●	●	●																			
	AD / SB Embodiment	●	●	●	●	●																			
OTHER SERVICES	Equipment / Tooling Loans	●	●	●	●	●		●	●		●	●	●	●	●	●	●	●	●	●	●	●	●	●	
	Logistics and Shipping	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
	Equipment Offloading & Receipt Inspection	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
	Equipment Prep for Shipment and Loading	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
	QEC Inventory Checks	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
	Scrap Material Processing	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
	Other Miscellaneous Part 145 Services	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	

WILLIS ENGINE REPAIR CENTER (WERC US & UK)
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Maintenance Services



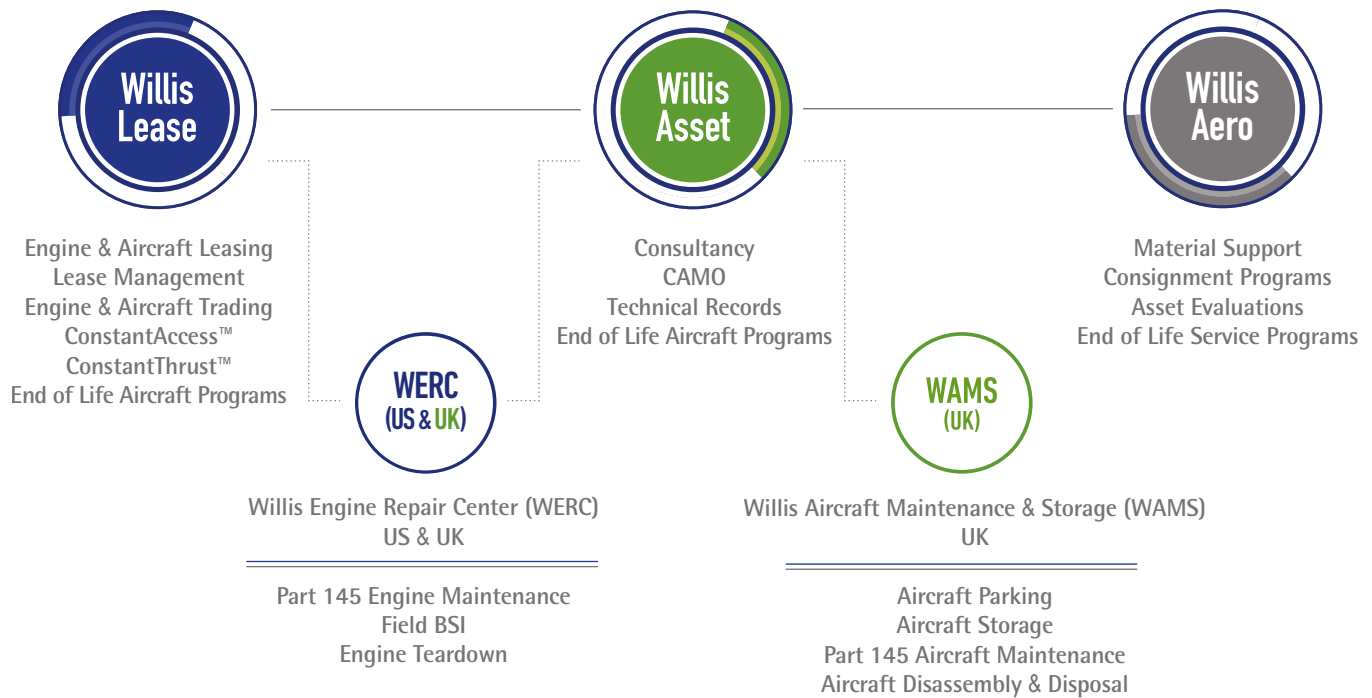
AIRCRAFT

● Available ▼ In Development

		SERVICE DESCRIPTION			
		AIRCRAFT PARKING & STORAGE	AIRCRAFT DISASSEMBLY	AIRCRAFT LINE MAINTENANCE	AIRCRAFT BASE MAINTENANCE
AIRBUS	Airbus A220		●		
	Airbus A310		●		
	Airbus A320ceo Family	●	●	●	▼
	Airbus A320neo Family	▼	●	▼	▼
	Airbus A330ceo	●	●	●	
	Airbus A330neo		●		
	Airbus A340	●	●	●	
	Airbus A350		●		
	Airbus A380		●		
BOEING	Boeing 737C	●	●	●	
	Boeing 737NG	●	●	●	▼
	Boeing 737 MAX	●	●	●	
	Boeing 747	●	●	●	
	Boeing 757	●	●	●	
	Boeing 767	●	●	●	
	Boeing 777	●	●	●	
	Boeing 787	●	●	●	
REGIONAL	ATR 42	●	●	▼	▼
	ATR 72	●	●	▼	▼
	Avro RJ Family / BAE 146	●	●	●	
	Bombardier DHC-8	●	●	●	
	Embraer 135 / 145	●	●	●	▼
	Embraer 170 / 190	●	●	●	▼
	Fokker 70 / 100	●	●	●	

The Willis Platform™

Willis is always poised to provide solutions tailored to customer needs.





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