

For more information,
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or discover aircraft.airbus.com

AIRBUS

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SERVICES

Structure Training

Let's shape the future
together now

AIRBUS



Safety Quality
 COST-EFFECTIVE SOLUTIONS
 INNOVATION **Proximity**
OEM EXPERTISE Together
 Knowledge, skills and attitude **Active learning**
 Value Creation **Worldwide**



Managing skills in Airlines and MROs are a daily concern for our customers and are being heavily impacted by the introduction of new material and technologies, leading to more complexity in composite repairs. Having breadth of competencies is key to addressing these challenges.

Listening and working with our customers today and for tomorrow is essential to reach new horizons together, by developing a new Structure training offer.

As leading aircraft manufacturer, we are taking a proactive initiative to ensure, through our structure training learning paths, our main common priority: Safety First.

Caroline Bosq,
 Head of Airbus Structure Training



OUR COMMITMENT SAFETY & EFFICIENCY

- Covering the full process from damage-assessment to design and repair execution.
- Highly qualified instructors.
- Safe release of the aircraft after repair, improved dispatch reliability and in-house capability.
- High quality standards with OEM expertise.

OUR TRAINING CONCEPTS

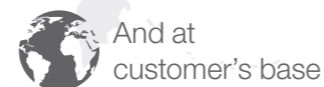
-  Focus on competence management
-  Training to proficiency
-  Operationally oriented
-  Active learning

OUR WORLDWIDE PRESENCE



- 1 ATC* Europe - Toulouse (France)
- 2 ATC* Europe - Hamburg (Germany)
- 3 ATC* Beijing (China)
- 4 ATC* Miami (USA)

*Airbus Training Centre



And at customer's base

EQUIPMENT AND MOBILE KITS

Equipment adapted to each training course

In-house structure course

New composite repair shop facilities in Toulouse (France) and Beijing (China) training centres delivering cutting-edge training including latest safety and environment recommendations from EASA Part 145 Standard.

Flexibility thanks to mobile kits

On-site Structure courses Tool Kit

Structure training is designed to be practical and hands-on, covering notably composite repair, fastener installation and removal, and damage assessment.

Structure repair training kits have been developed to be able to deliver the course at customer's base.

“Your structure training **where, when** and **how** you need it.”





Your benefits

- Structure courses adapted to specialists' profiles and qualifications.
- Tailored modular approach per job profile to reduce training time.
- Regulatory EASA Part 145 compliant for composite repair for technicians.
- Ensured training efficiency with examination.
- Hands-on training.
- Use of real aircraft parts.

COMPETENCE MANAGEMENT ORIENTED

Learning Paths approach

Structure training is now based on learning paths concepts adapted to job profiles.

Composite Repair Staff - Part 145 Compliant

To meet the EASA recommendations in understanding, practicing and assessing the standard practices related to basic composite bonded and bolted repairs.

Line Mechanics

To develop decision-making skills to release an aircraft after structure damage.

Repair Staff

To understand & perform repair instructions on specialised and standard practice for composite & metallic.

Engineers Staff

To design repair for damage out of covered limits by SRM (for metallic & composite).

“ **Covering all aspects of Structure training** ”
From damage assessment to repair operations

GLARE METALLIC COMPOSITE



LEARNING PATHS OVERVIEW

For more details, discover aircraft.airbus.com

Learning paths		Aircraft Type	Courses Duration (days)
CORE COMPETENCIES COURSES	A/C Structure Detailed Description – SA1	A320/A330/A340 A350	5 2
	Basic Structure Repair Manual – SM1	A220 A350	2 5
	Damage Assessment for Line Mechanics – SD1	A320/A330/A340 A350	4 5
	Advanced Repair Manual - SD2	A320/A330/A340 A350	5 5
	Part 145 Composite Core Course for Technicians – XSQ1	Multi programs*	15 incl.11 practicals
	Part 145 Difference Course – XST1	Multi programs*	5 incl. 0.5 practicals

SPECIALISED COURSES	Fasteners & Cold Expansion Course – XSA5	Multi programs*	5 incl. 2.5 practicals
	Basic Composite Repair for Technicians – XSA2	Multi programs* +A220	5 incl. 4 practicals
	Advanced Composite Repair for Technicians – XSA3	Multi programs*	5 incl. 4 practicals
	Specific Composite Repair for Technicians – SA7	A220 A350	3 practicals 7 incl. 6 practicals
	Metallic Structure Repair for Engineers – XSC1	Multi programs*	8
	Composite Repair for Engineers – XSC3	Multi programs*	9 incl. 3 practicals

OTHER COURSES	Corrosion Control – SA6	Multi programs* A220	2 2
	Radome repair for Technicians – SA9	A320/A330/A340 A350	5 incl. 4 practicals
	Drawing – XSC2	Multi programs*	3

*Multi programs: cover A320 + A330 + A340 + A350 aircraft type

STRUCTURE LEARNING PATHS				
TARGETED POPULATION				
Line Mechanics (Recommended course order)	Repair Staff - Full Scope (Recommended course order)	Repair Staff - Shop only (Recommended course order)	Engineering (Recommended course order)	Composite Repair Staff – Part 145 (Recommended course order)
1	1		1	1
	2		2	2
2				
	3		3	
				3
				3'

	Composite	Metallic	Glare	Composite	Metallic	Glare	Composite	Metallic	
		4			1				
	4			1					
	5			2					
	5'			2'					4
								4	
							4		

		x			x			x	
	x			x			x		
	x	x					x	x	



“ We
accompany
you **all**
along
your
aircraft
lifecycle. ”