



LIGHTWEIGHT COMPONENTS

Flat Panels. Deep Knowledge.

DID YOU KNOW...

THAT WHENEVER YOU FLY
WITH AN AIRBUS, YOU STEP
ON FLOOR MADE BY EFW



More than

35,000

COMPONENTS PER MONTH

FROM FLAT
PANEL UP TO
FULLY EQUIPPED
MONUMENT

more than

55,000

DIFFERENT
PARTS

For PAX and Cargo Panels EFW is

FIRST TIER SUPPLIER

FOR THE ENTIRE AIRBUS FAMILY

EFW holds the

EASA PART 145, 21J, 21G

– APPROVAL

EFW AT A GLANCE



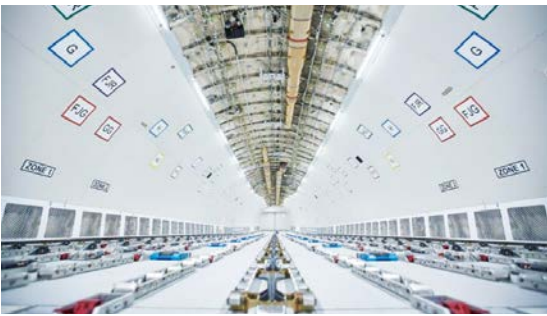
LIGHTWEIGHT STRUCTURES

Certified Production Organization DE.21G.0005



MAINTENANCE REPAIR AND OVERHAUL

Certified Maintenance Organization DE.145.0040



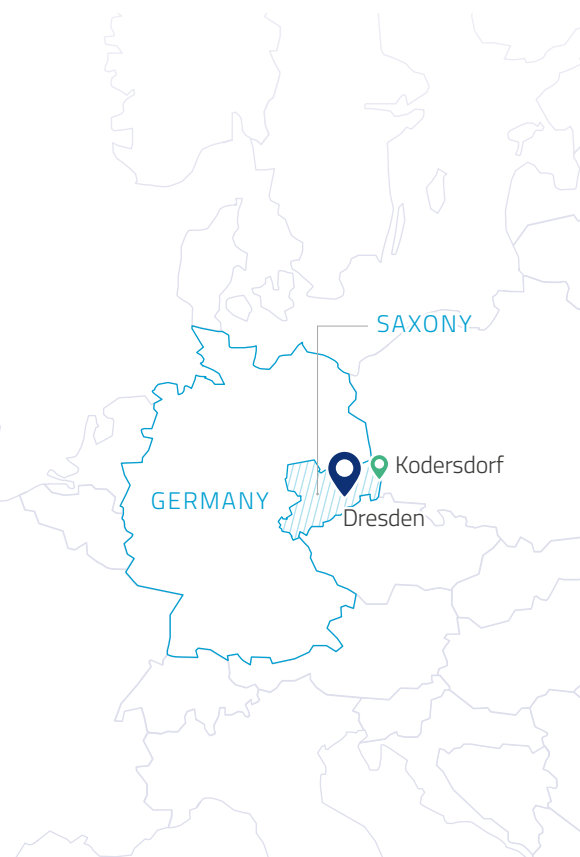
FREIGHTER CONVERSION

Certified Maintenance Organization DE.145.0040



ENGINEERING SERVICES

Certified Design Organization EASA.21J.054



- > Based in Dresden, Germany
- > 1,700 employees
- > Revenues of € 300 million
- > A company of ST Engineering (55%) and Airbus (45%)
- > Experience in aviation industry in Dresden since 1955
- > 2 additional production sites in Kodersdorf, Germany: acosa and CCI-A



weight



strength



stiffness



fire & smoke



reliability



non-toxicity



environment



acoustics

PRODUCT PORTFOLIO

EFW provides a wide variety of lightweight solutions for aviation as well as tramway industry.

AIRCRAFT COMPONENTS



PAX FLOOR SYSTEMS

- > Floor Panels
- > Heated Floor Panels
- > Semi-Finished Floor Panels



CABIN INTERIORS

- > Bullet-Proof Cockpit Doors
- > Lavatory Walls
- > Partitions
- > Housings
- > Monuments
- > Courier Modules
- > Overhead Compartments

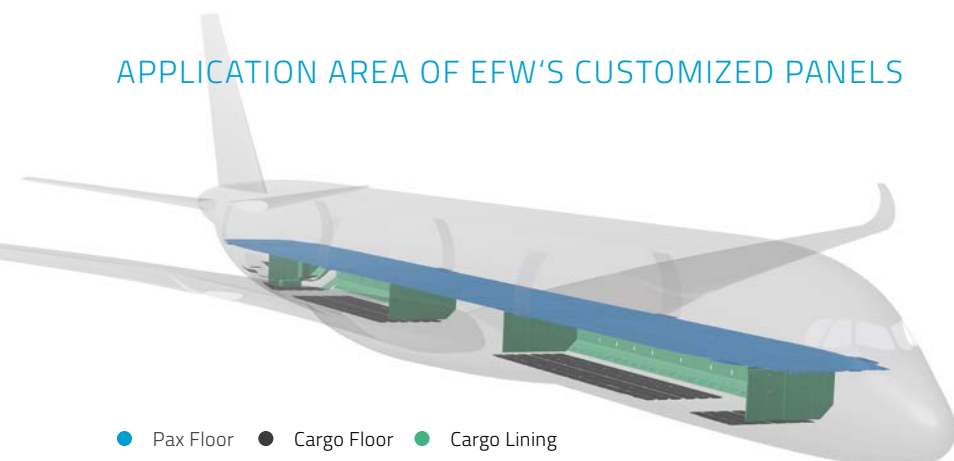


CARGO COMPARTMENTS

- > Floor Panels
- > Ceiling Panels
- > Sidewall Linings
- > Protection Panels
- > Decompression Panels

AIRCRAFT SPARE PARTS

APPLICATION AREA OF EFW'S CUSTOMIZED PANELS



● Pax Floor ● Cargo Floor ● Cargo Lining

AVAILABILITY

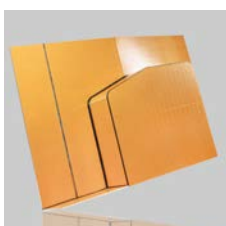
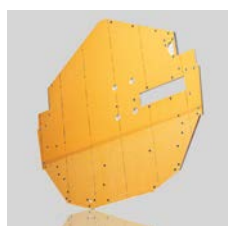
		A320 FAMILY	A380	A330 / A340	A350
PAX	Floor Panels	●	●	○	○
	Pre-Fab Semi-Finished Floor Panels	●	●	○	○
CARGO	Floor Panels	●	○	○	○
	Protection Panels	●	○	○	○
	Sidewall Linings	●	○	○	○
CABIN INTERIORS	Partitions	●	○	○	○

● Available ○ Soon available ○ Upon request

Didn't find what you need? EFW also designs and produces customized lightweight components according to your requirements.

COMPONENTS FOR TRAMWAY INDUSTRY

Drop-in panels optimized for stiffness, dynamic load, peel resistance and thermal insulation.



APPLICATION AREAS OF LIGHTWEIGHT SOLUTIONS

- > Linings
- > Floor Panels
- > Partition Walls
- > Walls in Sanitary Facilities
- > Heated Sandwich Panels
- > 3D Components



weight



strength



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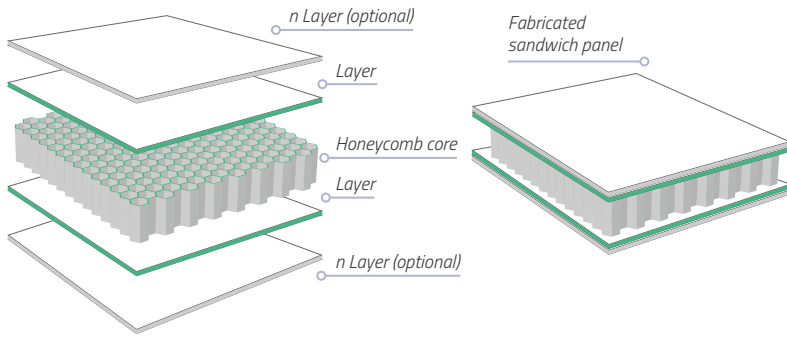
environment



acoustics

LAY-UP

Complex Inside. Simple Outside.



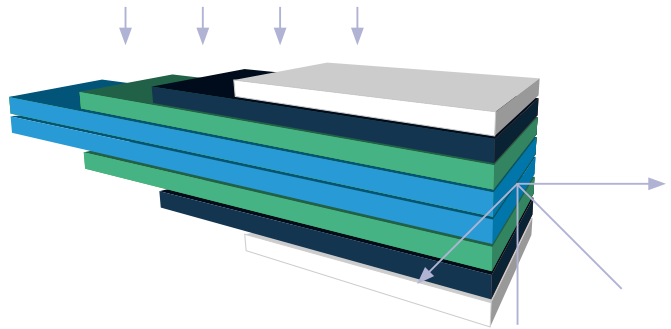
Honeycomb sandwich panel

SANDWICH PANELS

are made from glass and carbon fibre layers or metallic sheets as skin. As core we use different materials, e.g. honeycomb, foam or glass.

CFRP/GFRP LAMINATES

are made from combinations of woven or uni-directional oriented glass or carbon fibres in a duroplastic matrix. Laminates are manufactured under cleanroom conditions.



CFRP/GFRP laminate lay-up

GENERAL CHARACTERISTICS

- > Lay-ups & core arranged in a modular system for optimal sandwich lay-up design
- > Various decors depending on application: tedlar, decor foils, gloss and texture coatings
- > Flexible geometries and in-sandwich design features
- > Deliveries just in sequence ready for assembly
- > Design of integrated systems including attachment parts
- > From semi-finished panels up to drop-in panels

CERTIFIED DESIGN, PRODUCTION AND MAINTENANCE


Development	EASA.21J.054		IMO MSC.307 (88), Annex 1, Part 3 IMO MSC/Circ. 1120
Manufacturing	DE.21G.0005	Covered by DE.21G.0005	MED 96/98EC Modul D
Maintenance	DE.145.0040		
Management System Certification	DIN EN 9100/DIN EN 9110	DIN EN 9001	DIN EN 9001


CUSTOMER BENEFITS


EFW covers the entire value-added chain in composite manufacturing.





6 MAIN REASONS WHY YOU SHOULD BUY OUR PRODUCTS


 Product optimization according to **your specifications**

 **25 years of experience** in composite manufacturing

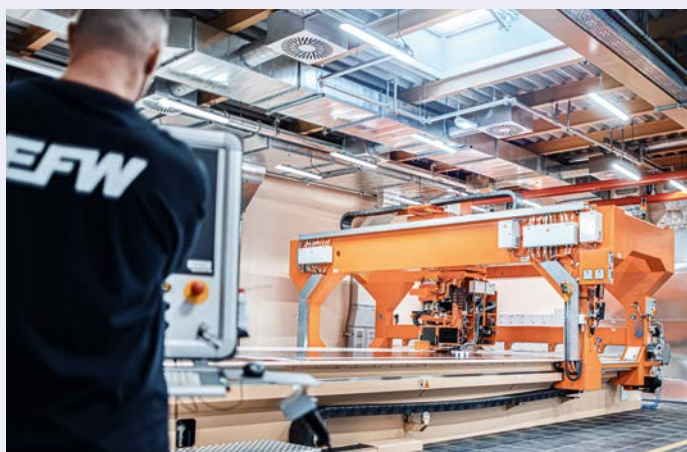
 Services from **R&D over production to installation**

 **Wealth of knowledge and deep expertise**

 **High product quality and delivery reliability**

 High level of **functional integration**

GET AN IMPRESSION OF OUR CAPABILITIES





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