



# CABIN SOLUTIONS AND AEROSTRUCTURES

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

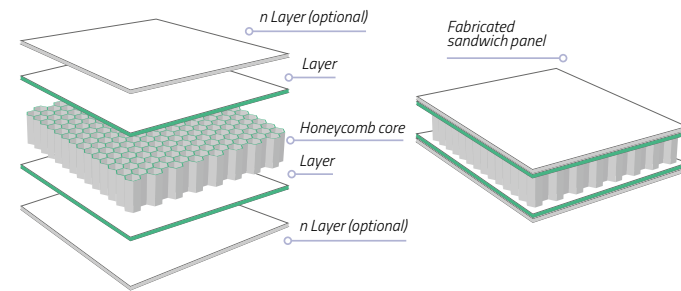
DIFFERENT PARTS



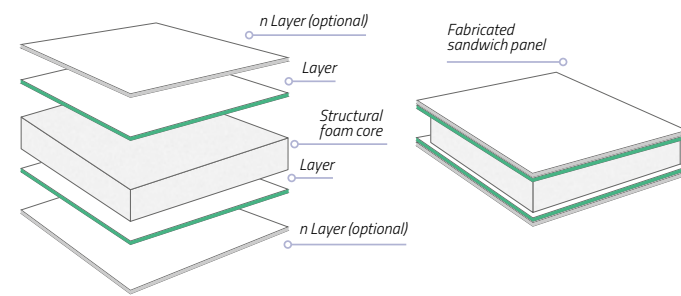
2 PRODUCTION SITES IN GERMANY

## LAY-UP

Complex Inside. Simple Outside.



Classic Lay-Up



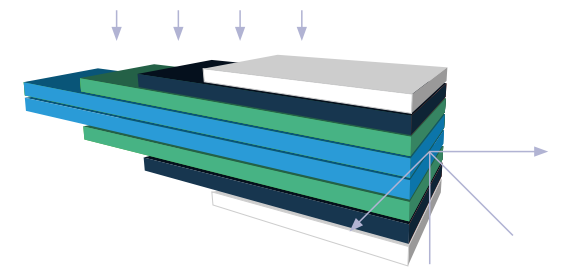
Smart Lay-Up

## 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, décor 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



EASA.21J.054  
Development



DE.21G.0005  
Manufacturing



DE.145.0040  
Maintenance

# PRODUCT PORTFOLIO

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

In addition to serial production, EFW offers various aftermarket solutions in the form of replacement panels and customized solutions according to your needs.

## AIRCRAFT COMPONENTS

From flat cabin and cargo floor panels and linings to cabin interiors, offering high durability with low weight and a high degree of functional integration of components.



### PAX FLOOR SYSTEMS

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



### CABIN INTERIORS

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



### CARGO COMPARTMENTS

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

## TRAMWAY COMPONENTS

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



### APPLICATION AREA

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



weight



strength



stiffness



fire & smoke



reliability



non-toxicity



environment



acoustics

# EFW AT A GLANCE



## CABIN SOLUTIONS AND AEROSTRUCTURES

Certified Production Organization DE.21G.0005



## ENGINEERING SERVICES

Certified Design Organization EASA.21J.054



## FREIGHTER CONVERSION

Certified Maintenance Organization DE.145.0040



## MAINTENANCE REPAIR AND OVERHAUL


Certified Maintenance Organization DE.145.0040


# 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**

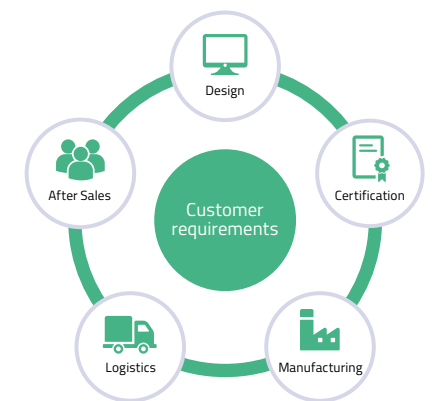
 **Over 30 years of experience** in composite manufacturing

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

 **High strength and stiffness** combined with **minimized weight**

 High level of **functional integration**

 Delivery **just-in time, ready to install**, with all **needed functions**





## CONTACT US

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