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

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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

A320 FAMILY | A380 | A330/A340 | A350
---|---|---|---
PAX
Floor Panels | ![Available](image)
Pre-Fab Semi-Finished Floor Panels | ![Soon Available](image)

CARGO
Floor Panels | ![Available](image)
Protection Panels | ![Upon Request](image)
Sidewall Linings | ![Soon Available](image)

CABIN INTERIORS
Partitions | ![Available](image)

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
LAY-UP
Complex Inside. Simple Outside.

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.

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 | DIN EN 9100/DIN EN 9110 | DIN EN 9001 |
| Certification     | 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