

SAXONY!

 Saxony
Trade & Invest



AEROSPACE TECHNOLOGY IN SAXONY

HIGHFLIERS

AEROSPACE TECHNOLOGY IN SAXONY...

- 1958 – The first German passenger plane with jet propulsion comes from Dresden
- Largest stakeholder: **Elbe Flugzeugwerke (EFW)** – a company of **ST Engineering** and **Airbus**
- Primarily a mid-sized supplier landscape – reliable partners for major international projects
- Incubator of professional employees with an above average share of engineers – first and foremost at **Dresden University of Technology** with its specific focus on aerospace technology, lightweight construction, and fluid mechanics
- Strong network partner: **Aerospace Technology Competence Center Saxony / Thuringia e. V. (LRT)**



... OFFERS:

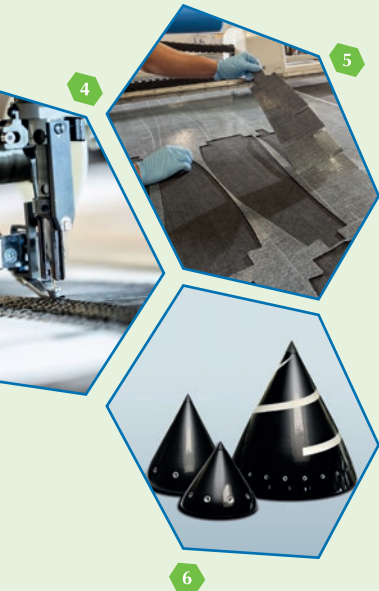
1. *Elbe Flugzeugwerke GmbH (EFW), Dresden;*
2. *herone GmbH, Dresden;*
3. *HUTCHINSON, Seifhennersdorf site*



*Title page: Elbe Flugzeugwerke GmbH (EFW),
Dresden*

- Aircraft conversions and maintenance
- Lightweight construction, materials development
- Electronics, test and sensor technology
- Propulsion systems for space flight and electric aviation
- Solutions for urban air mobility
- Plants for sustainable air fuels (SAF)
- Astrophysics and geodata processing

LIGHT-FOOTED TAKEOFF



Many companies in Saxony, such as **EFW** and **EAST-4D** in Dresden, **COTESA** in Mittweida, or **Hightex** in Klipphausen, possess considerable competences in integrated lightweight solutions based on CFRP, GFRP, and synthetic high-performance fibers. Materials and strength testing combined with superb competence in lightweight construction are available, for example, from the service providers **IMA** and **IABG** in Dresden.

- 4. Hightex Verstärkungsstrukturen GmbH, Klipphausen;*
- 5. COTESA GmbH, Mittweida;*
- 6. EAST-4D® CARBON TECHNOLOGY GMBH, Dresden*

ALL-INCLUSIVE COMPETENCE FOR FLYING

The aerospace industry in Saxony encompasses large sections of the branch's entire value creation chain with its mid-sized suppliers. Just the **Elbe Flugzeugwerke (EFW)** in Dresden alone unite several areas of competence: The development / production of such lightweight components as, for example, floor panels, the conversion of passenger planes into cargo planes, maintenance and repair work as well as engineering services. With Deutsche Aircraft's decision to build the most sustainable turboprop plane in the world, the D328eco™, in Leipzig, Saxony will once again be a location for the construction of complete airplanes.

7. EDL Anlagenbau GmbH, Leipzig;
8. herone GmbH, Dresden



TAKING OFF WITH NEW PROPULSION SYSTEMS

Morpheus Space in Dresden is the leading supplier of highly effective electric propulsion units for small satellites – awarded by NASA and others. When it comes to “green flying,”

Saxony contributes considerable competences – experts from Dresden are developing a lightweight hydrogen fuel tank for the experimental aircraft Apus i-5 “H”. A center for carbon-neutral flying (“**NetZeroLEJ**”) is being built at Leipzig / Halle Airport. And plant construction companies such as **CAC** Chemnitz or **EDL** Leipzig are working on the production of “green” kerosene.



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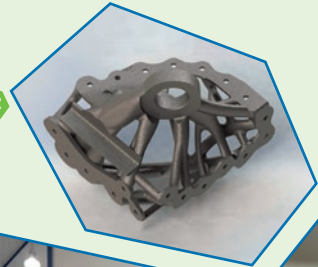
9. CAC ENGINEERING GMBH,
Chemnitz; 10. Deutsche Aircraft
GmbH, future Leipzig site

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FOCUSING ON THE FUTURE

Numerous R&D and educational institutions in Saxony are active in the aerospace sector – including, in particular, **Dresden University of Technology** with its **ILR**, **ILA**, **ILK** and **ISM institutes** as well as the **Smart Mobility Lab (SML)** in Hoyerswerda. Research is also conducted at the **Fraunhofer institutes IKTS**, **IFAM** and **IWS** in Dresden, the lightweight construction cluster **MERGE** in Chemnitz, at the **German Aerospace Center (DLR)** in Dresden, or at the **German Center for Astrophysics (DZA)** in Görlitz.

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11. Dresden University / UTC - Rolls-Royce University Technology Center "Lightweight Structures and Materials and Robust Design";
12. Fraunhofer IFAM, Dresden

SAXONY! – PREFERRED PARTNER FOR THE AEROSPACE INDUSTRY



160

companies and
R&D institutions

More than



7,000

employees

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