Located between Nantes and Saint Nazaire, at the heart of Pays de la Loire space and aeronautical industries. AFC-STAB is an expert in manufacturing tools for forming or molding and the production of complex composite parts and sets.

With years of experience, AFC-STAB carries out all your project and brings you new solutions with all its innovative products

«Customer satisfaction and proactivity are our key features»

COMPETENCIES & CAPABILITIES

- Molds conception and design from CAO part
- Production of 2m in diameter molds with a RMS less than 50 microns for composite part.
- Production of heating molds for the curing of thick composites parts.
- Machining of several materials (composite, aluminum, epoxy board, …)
- 3 manufacturing devices with 5 axes machining up to 6m in length, 4m wind, Z: 2000mm
- Production of composite parts up to 180°C
AFC-STAB offer a wild range of services:

- **Expertise:** Our Engineering and Technical Department advises you, studies the feasibility of your project and proposes technical solutions.

- **Project management:**
  - We assist you from the prototype to the final product and we adapt to your request.
  - Our experience allows us to respond to your request by being driving force in your project.

- **Implementation:**
  - Respect of your specifications and controlled lead time

And numerous innovative products with our STAB patented material:

- **Aéro-STAB:** Low density, low CTE and high temperature resistance for forming tools and prototyping
- **Usi-STAB:** Aero-STAB with carbon coating for series production
- **Auto-STAB:** Self-heating mold up to 200°C

**MAJOR SPACE PROJECTS & REFERENCES**

- Patent filed in collaboration with CNES for our Auto-STAB product
- Manufacturing of a several satellite dish molds for Thales Alenia Space including:
  - 4m in diameter self-heating molds for backing parts
  - 2.2m in diameter self-heating molds with a RMS of 42 microns for satellite dish
  - Several non-heating molds ranging from 0.7m to 2m in diameter
- Manufacturing of land-based reflector mold for Ineo