

- Orbital systems
- Launchers
- Satellites
- Ground segments
- Balloons
- Transversal competencies



Located between Nantes and Saint Nazaire, at the heart of Pays de la Loire 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

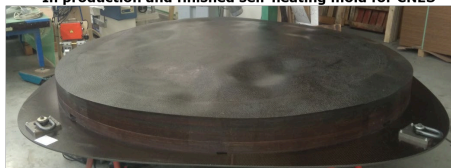
«Customer satisfaction and proactivity are our key features»

## 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 / Z: 1200mm
- Production of composite parts up to 180°C



In production and finished self-heating mold for CNES



# AFC-STAB

## PRODUCTS & SERVICES

AFC-STAB offer a wide 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:

- Aero-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:
  - 3.3m 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 Engie-Ineo

## POINT OF CONTACT

**ADDRESS** 10 rue Louis Bréguet – P.A. du Pont Béranger  
44680 Saint-Hilaire-de-Chaléons - France

**WEBSITE** [www.afc-stab.com](http://www.afc-stab.com)

**PHONE** +33 (0)6 25 28 09 27

**POINT-OF-CONTACT** : NAYLOR, Robin, R&D Manager

[robin.naylor@afc-stab.com](mailto:robin.naylor@afc-stab.com), +33(0)2 28 25 91 53

**TURNOVER** 0.7 M€

**WORK FORCE** 6 employees

**SPACE TURNOVER** 0.2 M€

**SPACE WORK FORCE** 6 employees