

Orbital systems  
 Launchers  
 Satellites  
 Transversal competencies



**AD Industries** is a group of 1500 employees with 4 centres of expertise:

- Mechanics
- Composites
- Sheet metalwork
- Hydraulics

**ADI Composites, ADI Mechanical assemblies & ADI Tubes** are involved in Space activities since more than 15 years with qualified processes.

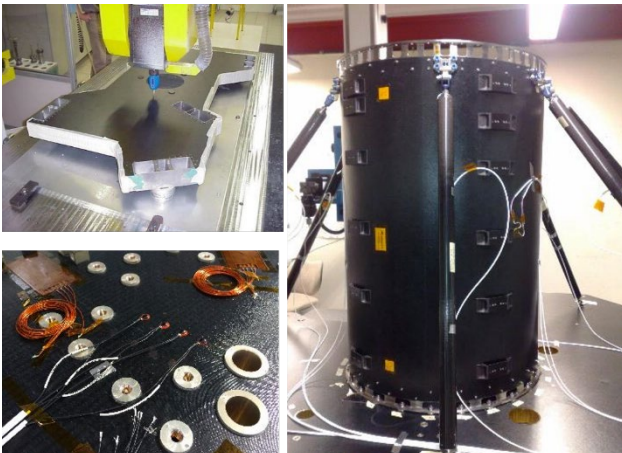
## COMPETENCIES & CAPABILITIES

Lightness and stabilities are major properties required from materials used in space structures. High performance composites material successfully meets these standards providing the best technical and economical trade-off.

High Modules carbon fibre material is used combined with epoxy or cyanate ester type resins with certified processes. Assembly and bonding processes are developed by our engineering teams and are subject to a qualification with the final customers.

### Our main means

- 8 autoclaves, ovens, presses
- Large CNC machining equipment for composite and metallic materials
- Tube bending equipments



# AD INDUSTRIES

## PRODUCTS & SERVICES

### High Performance Composite / ADI composites

- Carbon antenna support structures
- Carbon tubes & beams for antennas
- Carbon rods with titanium and fittings
- Instrument support panels
- Battery structure with metallic heat pipes (Aluminium or composite sandwich)
- Launch vehicle structural parts

### Mechanical assemblies / ADI Mechanical assemblies

- Medium to large machining capabilities up to 6000 mm (Aluminium & Titanium)

### Tubes / ADI Tubes

- Range of processed tubes Ø 1 mm to Ø 150 mm

## MAJOR SPACE PROJECTS & REFERENCES

Non exhaustive list for applications for Airbus Defence & Space, Thales Alenia Space, Air Liquide, Ruag Space, Sonaca, EHP, Ariane Group.

Yahsat  
AM22  
Rascom  
Goci  
CSO  
Iridium  
Ariane 5 et 6  
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**TURNOVER** 210 M€

**WORK FORCE** 1500 employees

**SPACE TURNOVER** 2M€