

Orbital systems  
 Launchers  
 Satellites  
 Transversal competencies



ATMOSTAT provides the design, manufacturing and justification of critical mechanisms and electro-mechanisms in the fields of defense, aeronautics, space and scientific instrumentation with high levels of safety and reliability.

This equipment are parts of safety functions, propulsion, fluid flow management, measurement sensors, vibration and shock absorption, vacuum management, precision movements, structure, etc.

## COMPETENCIES & CAPABILITIES

- Engineering: design, development, justification
- Support engineering: demonstration of reliability and lifespan, development and qualification of industrial processes, etc.
- Manufacturing: CNC, spark-erosion, laser welding, electron beam welding, brazing, HIP (Hot Isostatic Pressing), thermal and surface treatment and extensive control means (classical and three-dimensional metrology, metallography, radiography and Tomography).
- Test & Qualification: dedicated test benches.
- Cleanliness management: clean rooms, laser assembly and welding, dust-free ("grey") rooms, electron beam assembly and welding.



# ATMOSTAT

## PRODUCTS & SERVICES

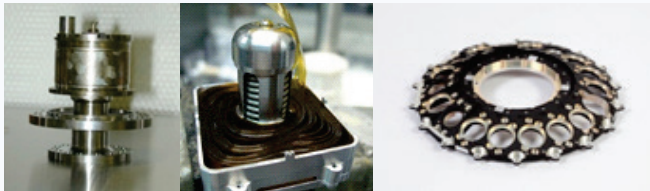
Design and manufacturing

- Valves and propulsion elements.
- Thermal components for cooling systems
- Tanks
- Cryostat
- Structures for different components
- Poppets
- Small electro-mechanisms

## MAJOR SPACE PROJECTS & REFERENCES

Space projects:

- ExoMars Trace Gas Orbiter (400N valves for thruster)
- Communication satellites (1N / EVV valves for thruster and evacuation systems)
- LSO compatible tank (French Law on Spatial Operations)
- SVOM - ECLAIRs (coded-mask)
- Euclid (Titanium Baffle)
- PHARAO (caesium tank and caesium filling bench)
- ExoMars (deployable lightweight ribbon antenna : EISS)
- James Webb Space Telescope (Filter Wheel and box)



Customers:

- CNES, ARIANE, CNRS, CEA, THALES, AIRBUS, ...

## POINT OF CONTACT

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**TURNOVER** 12,5 (in M€)

**WORK FORCE** 107 employees

**SPACE TURNOVER** 700 k€

**SPACE WORK FORCE** 15