

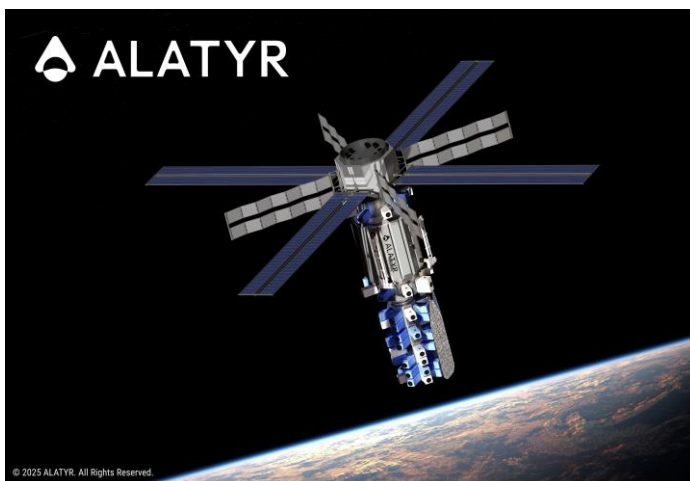
Orbital systems
Transversal competencies
Ground segments
Satellites



ALATYR is a French company specializing in robotic space stations providing a sovereign research and production capability in microgravity featuring full automation, versatility and modularity for experiments, significantly accelerating research and innovation cycles. Our automated platforms enable the exploration and maturation of high-value industrial and pharmaceutical applications, while laying the groundwork for critical robotic infrastructures essential for space exploration and defense operations in orbit.

COMPETENCIES & CAPABILITIES

ALATYR core competencies lie in the field of systems engineering, development, qualification and operation of large and complex space programs, laboratory automation, as well as bioresearch and bioproduction applications. Further specialized domains include mechanical, thermal, robotics, microfluidics, microgravity payload and instrumentation. ALATYR is actively partnering with both biotech & research institutes as well as space transportation providers to adapt existing systems, or those currently in development, to fit the ALATYR overall architecture needs.



ALATYR

PRODUCTS & SERVICES

By designing smaller, more frugal, and ecological systems, we create a new generation of space platforms optimized for biotech.

Our goal is to develop fully robotic space stations that reimagine traditional space infrastructures. These stations will integrate automated, self-sustaining bio-facilities and optimize end-to-end logistics using intermodal space containers, from launch to payload recovery.

By harnessing experimental data to drive AI-powered microgravity simulations, we aim to refine microgravity protocols and identify new applications.

Our services include hosting third party experiments, remote access to our automated laboratory as well as therapeutic and production services.

Ultimately, our goal is to develop scalable solutions that meet the growing demand for advanced user-driven biotech services and products.

MAJOR SPACE PROJECTS & REFERENCES

ALATYR benefits of the large amount of experience of its key personnel in the field of Space Transportation as well as biotech applications. Our team brings together extensive experience from leadership positions in complex space systems development and commercialization (ATV programme in the field of GNC and rendezvous development, test and operation, as well as Ariane 6 development from the first sketch as an advanced project to the full development, qualification and the launcher system maiden flight), as well as PhDs in biotechnologies and automated laboratories. This unique interdisciplinary foundation allows ALATYR to develop pioneering solutions at the intersection of space, biotechnology and robotics, while developing commercial applications with biopharma users.

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SPACE TURNOVER

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