

Orbital systems  
Launchers  
Satellites  
Transversal competencies



Hybrogines is a young, innovative French aerospace company, founded in 2020 and based in Paris-Saclay, which aims to facilitate access to space for small satellites (weighing less than 50kg), by offering operators the services of Hyscab®, an orbital transfer vehicle for putting them into orbit, compatible with all heavy launchers, and optimized in terms of cost, speed, precision and mission flexibility. From reception to orbit, Hyscab®, which can be seen as a space cab for small satellites, offers operators a turnkey "last mile" solution.

## COMPETENCIES & CAPABILITIES

Hybrogines' main areas of expertise, core businesses and technologies are:

- the design of rocket engines, particularly hybrid propellant rocket engines,
- spacecraft design, particularly orbital transfer vehicles,
- mission analysis (satellite orbiting),
- programming, algorithms and software design,
- modeling and simulation,
- complex systems engineering,
- test engineering,
- materials science,
- design/manufacturing engineering (drawings, standards, methods, routings, etc.),
- embedded systems engineering.



# HYBROGINES

## PRODUCTS & SERVICES

Hybrogines' main products and services are:

- Hyscab®, an orbital transfer vehicle dedicated to optimal orbiting of small satellites
- Hythrust®, an innovative next-gen hybrid propellant rocket engine designed as the main propulsion system for Hyscab®
- Hymission®, the mission analysis, optimization and simulation software for Hyscab®
- Hytest®, a test bench service designed for Hythrust®

Hythrust® technology and Hytest® service are available to companies, institutions, universities and clubs.

## MAJOR SPACE PROJECTS & REFERENCES

## POINT OF CONTACT

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**TURNOVER**

**WORK FORCE** 3 employees

**SPACE TURNOVER**

**SPACE WORK FORCE** 3 employees