

A French SpaceTech is looking for research laboratories or scientific partners or academics interested in flying their experiment/payload to Low Earth Orbit.

Summary

Profile type

Business Offer

Company's country

France

POD reference

BOFR20240227015

Profile status

PUBLISHED

Type of partnership

Commercial agreement

Targeted countries

• **World**

Contact Person

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Term of validity

27 Feb 2024

26 Feb 2025

Last update

27 Feb 2024

General Information

Short summary

The Company has developed a universal payload hosting solution enabling simple, reactive and sustainable access to orbit. Based on a "space USB"-like technology, it gives users a universal and modular framework to independently develop and operate in orbit their payload.

This solution is perfectly suited for research, science and academic players looking to launch their experiment without bothering with the space segment (platform & launch procurement, ground segment, low-level operation)

Full description

For science, research and academic purposes, the Company service includes :

-Flight opportunity choice : depending on the size of your experiment and the orbit you're targeting, choose your flight opportunity in our catalog among dedicated smallsats, orbital transfer vehicles, constellations, large satellites...

-'Space Containers' : our payload development frameworks enables you to make your payload ready to orbit without modifying it (our interface translate most of communications protocols and power configurations)

-Integration to the host spacecraft : then your payload is shipped to the host vehicle and integrated onboard and

validation tests are run.

-Launch :the host vehicle is launched to the chosen orbit

-Satellite operations & communication : we take care of operating the spacecraft, setting up the ground segment main link and giving you access to your payload.

-Legal procedures : we take care of most of the legal procedures needed for orbiting your payload (export, frequency licensing,...)

Advantages and innovations

Compared to dedicated satellite missions, this offer is :

- Simpler

It drastically reduces the number of interlocutors (launch provider, broker, satellite manufacturer, ground segment provider, operations provider...) and the size of the team needed to send something to space (focus on payload development).

- Quicker

Our flight opportunities are already ready to fly and can lift-off with payloads in less than 6 months where a traditional satellites need at least 18 months.

- More qualitative

Thanks to platform sharing, high-end subsystems are available to your payload and by booking resources onboard you are even able to benefit from power peaks, telecom peaks, pointing accuracy or computing capacities that would have never been possible onboard a dedicated mission.

- More sustainable

Thanks to sharing, we reduce the mass sent and the number of satellites sent while increasing their reliability and maneuverability therefore actively reducing the creation of orbital debris.

Technical specification or expertise sought

Stage of development

Available for demonstration

IPR Status

Secret know-how

IPR Notes

Sustainable Development goals

• **Goal 9: Industry, Innovation and Infrastructure**

IPR Notes

Partner Sought

Expected role of the partner

The partner will :

- Integrate its payload into the given containers OR Buy an existing payload
- Operate its payload in orbit with a simple Linux interface
- Use its data for scientific purposes (Astrophysics, Earth Science, fundamental science,...)

All other elements of the space mission are included in SpaceLocker hosting service with a pricing depending on the payload size and the host vehicle.

Type of partnership

Commercial agreement

Type and size of the partner

- **SME <=10**
- **University**
- **Big company**
- **SME 11-49**
- **R&D Institution**
- **SME 50 - 249**

Dissemination

Technology keywords

Market keywords

- **01005001 - Satellite services/carriers/operators**

Targeted countries

- **World**

Sector groups involved

- **Electronics**
- **Renewable Energy**
- **Maritime Industries and Services**
- **Aerospace and Defence**