PRESS RELEASE

This project was funded by the Government as part of France 2030.

The PADA1 project, led by HyPrSpace, with CT Engineering Group & Telespazio France, successfully validated two consecutive Preliminary Design Reviews for it suborbital and orbital launch systems.

December 04, 2024

Last month, PADA1 consortium hosted two Preliminary Design Reviews (PDR), one for the micro launcher Orbital Baguette One, the other for the suborbital launcher Baguette One, and their respective launch systems. These milestones represent critical steps for the PADA1 project: it is the achievement of months of work for HyPrSpace, together with Telespazio France, CT Engineering Group and SpaceDreamS as a major supplier.

The Agile Space Access Development Project #1 – PADA1, is a consortium led by HyPrSpace as the pilot, in collaboration with CT Engineering Group and Telespazio France. This project aims to complete the detailed design of its OB-1 rocket and to carry out the first flight of Baguette One, its suborbital demonstration rocket showcasing the innovative hybrid propulsion technology developed by HyPrSpace.

The validation by the review members is a great success and allows PADA1 consortium to enter in the Critical Design Phase, which will lead to the Critical Design Review for Baguette One, and later Orbital Baguette One.

About HyPrSpace:

Founded in 2019 by a team of space-passionate engineers, HyPrSpace stands out with a patented, revolutionary hybrid propulsion method, combining the advantages of solid and liquid propellants. This major innovation breaks a technological barrier of over 50 years, providing a propulsion solution that is simple, reliable, and efficient, while reducing the environmental footprint and cost of space launches. The credibility and effectiveness of this technology have been validated by DGA and ONERA. Strongly supported by institutions such as CNES, ESA, DGA, the Nouvelle-Aquitaine region, and the France 2030 program since the

first micro-launcher call in 2022, HyPrSpace is positioning itself as a major player in space innovation in France and Europe.

About Telespazio France:

Based in Toulouse, Bordeaux, Paris, and Kourou, Telespazio France is a subsidiary of the Telespazio group, a joint venture comprising Leonardo (67%) and Thales (33%). It is a key player in operations related to space infrastructure and value-added satellite space services. With over 30 years of experience and nearly 500 employees, this French subsidiary of the international group covers all essential areas of space, including telecommunications, Earth observation, and navigation. With more than 150 people at the Guiana Space Center, Telespazio France is also the primary industrial partner of the Kourou base and ensures daily maintenance and operation of ground infrastructure facilities.

About CT Engineering Group:

CT Engineering Group is a leading technological company that provides innovation and engineering services in the aeronautical, space, naval, automotive, rail, energy and industrial plants sectors. CT pushes the boundaries of technology through innovation, raising performance to new levels throughout the entire life cycle of products, from design, manufacturing to post-sales support. With over 35 years of experience, today CT's success is driven by more than 1,800 talented employees based in nine countries, spanning three continents.

About SpaceDreamS:

SpaceDreamS, a CNES spin-off founded in 2021, specialises in the architecture of ground facilities for space launches. In particular, it is developing the NuPad, a new-generation launch pad solution that is interoperable, mobile, compatible with multiple launchers and multiple sites. Comprising standardised 'boxes' and its digital twin, this system meets the sector's requirements in terms of availability, speed of implementation and cost optimisation, all with a reduced environmental impact. As 'everything that flies starts on the ground', SpaceDreamS works alongside institutions, launchers and spaceports to facilitate access to space.

Contact press HyPrSpace :
Sylvain Bataillard – sb@hypr-space.com
Clément Fillot – clement.fillot@hypr-space.com

Contact press TELESPAZIO :
Catalina Bouchu: +33 (0)6 29 66 16 07 – catalina.bouchu@telespazio.com

Contact press CT :

Alejandro Espinosa: + 34 638 420 618 – alejandro.espinosa@ctingenieros.es
Denisa Iancu: + 34 676 835 571 – dmiancu@ctingenieros.es