

Press Release

Venture Orbital Systems wins a €50,000 R&D contract from the French Space Agency (CNES).

Venture Orbital Systems will be able to accelerate the development of its fully 3D printed rocket engine thanks to the financial and technical support from CNES, following the R&D Pitch Day Challenge on June 24, 2020.

The Centre National d'Etudes Spatiales awarded 10 R&D contracts to laboratories, start-ups and SMEs on June 24, 2020, during a pitching session at the CNES offices in Paris and live on Youtube, on the theme: "Tomorrow's Launch Systems".

Venture Orbital Systems, represented by its VP Propulsion, Robin Piebac, presented its liquid propulsion technology for orbital launchers, fully 3D printed.

After deliberation by the jury, composed of ArianeGroup, ESA, the French Ministry of Higher Education and Research, ONERA and CNES, VOS won an R&D contract worth €50,000 over 18 months.

This contract will allow the company to print, control and test a full-scale version of the Navier Mk1 rocket engine, and 5 variations of an injection part for hot-fire tests.

An engine entirely printed in 3D.

The Navier Mk1 rocket engine, under development, is a 12kN (SL) and 16kN (Vac) rocket engine. It is propelled by LOX-RP1, and is only composed of 3 parts, all 3D printed.

6 Navier Mk1 engines will power the first stage of the Zephyr nano-launcher, and 1 Navier Mk1-Vac. engine will power the second stage.

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