

Press Release

Paris, the 10 February 2020

Venture Orbital Systems is financially supporting the Aurora Liquid Engine project to build the propellant tanks needed to fire the first one-piece 3D-printed student engine in Vernon.

Venture Orbital Systems, the first French NewSpace start-up to develop a reactive launcher dedicated to placing nano-satellites into orbit, is sponsoring the firing tests of the Aurora Liquid Engine.

This engine, the first one-piece 3D printed engine with liquid propellants developed by students in Europe, will be tested at ArianeGroup's Vernon site. The Aurora Liquid Engine project, which is part of the ESTACA Space Odyssey, needed suitable liquid propellant tanks (RP-1 and Liquid Oxygen) to conduct their test campaign. Venture Orbital Systems has undertaken to finance the construction of these reservoirs.

Space innovators are joining forces to make French NewSpace shine in Europe and around the world.

Venture Orbital s'intéresse particulièrement aux réalisations de l'équipe du moteur Aurora, car l'entreprise développe également des systèmes de propulsion innovants, efficaces, et peu coûteux pour propulser son petit lanceur.

Thus, part of the Aurora Liquid Engine team joined the company to put their unique skills in propulsion, thermodynamics and 3D printing at the service of the development of an engine adapted to the start-up's launcher.

Venture Orbital Systems is heading towards a fund raising, assisted by Stéphanie Wismer Cassin, founder of Next Foundation. The funds raised will be used to develop and test the start-up's engine.