

FOSSA Systems and Momentus Announce Launch of Nine PocketQube Satellites

September 2nd, 2020 – Santa Clara, CA and Madrid – FOSSA Systems (www.fossa.systems), Picosatellite manufacturer, and Momentus (www.momentus.space), provider of in-space transportation services for satellites, announced today that they have signed a service agreement. Two FOSSA PocketPod deployers carrying a total of nine PocketQube spacecraft (16P Total) will be launched in February 2021 on the second Vigoride demo mission onboard a SpaceX Falcon 9 rocket.

CSHARKPILOT-1 (FOSSASAT-2E) is a 2P satellite manufactured by FOSSA to house an Internet of things (IoT) payload by Italian technological provider CSark. This satellite aims to experiment with LoRa nodes processed through their turnkey Pongo user interface for visualizations and big data analysis.

LAIKA (FOSSASAT-2B) is a 2P satellite manufactured by FOSSA and carrying an innovative new propulsion system. In partnership with Stockholm start-up porkchop, LAIKA will be using their structurally-embedded electric propulsion system.

Challenger is a 3P Earth Observation and Communications satellite made using Windform, a carbon based material from CRP Technology. Challenger is designed by US based Mini-Cubes Space Development.

SanoSat-1 is a 1P amateur satellite developed by ORIONSpace in Nepal to experiment with Radiation monitoring and a HAM digipeater.

TRS13 is a 1P amateur satellite developed to test an experimental SSTV imaging downlink and amateur downlink beacon.

Canary Hatchling is a 1P satellite developed by Care Weather Technologies, located in Utah, USA. Hatchling is an early pathfinder mission for Care Weather's future cubesat constellation, which will map global oceanic vector winds on an hourly basis. The Hatchling mission provides in-orbit testing for Care Weather's vertically integrated satellite bus.

Three dedicated FOSSA satellites (FOSSASAT-2C, FOSSASAT-2D and FOSSASAT-2F) will be the first of a constellation to provide LoRa-based IoT communications. These are second generation 2P satellites aimed at providing a high performance PocketQube platform for dedicated constellations and low-cost in-orbit demonstration. This new platform has 1P of payload space, can provide up to 9 watts of solar power, has full ADCS pointing capability and multiple storage/processing options.

“FOSSA is very pleased to be partnering with Momentus in these initial steps, we are looking forward to working with Momentus to establish a stable low-cost orbital access service for the long-run,” said Julian Fernandez, CEO of FOSSA Systems.

“Momentus welcomes FOSSA Systems into our growing family of customers. This new partnership demonstrates the versatility of the Vigoride shuttle service to deploy the widest range of spacecraft, from PocketQubes to smallsats,” said Mikhail Kokorich, CEO of Momentus.

In May 2020, Momentus announced a launch service agreement with [another Picosatellite specialist, Alba Orbital](#). Subsequent Vigoride missions are planned to carry Picosatellites from specialized partners who, together with Momentus, will pave the way for affordable constellations of Picosatellites in the near future.

About FOSSA Systems

FOSSA Systems is an aerospace company developing Picosatellites as a vertically integrated service (satellites <1kg) for LEO. The company offers complete in-house solutions, from design to launch and operations. FOSSA Systems provides satellite systems, launch services, satellite services and offers consulting for their respective development. FOSSA is working on a global IoT and satellite service constellation, after the company's first demonstrator was successfully tested in 2019. Their aim is to reduce the cost barrier to space and space-based services through miniaturization.

For more information visit <http://Fossa.Systems>

About Momentus

Momentus is a Space Transportation and Space Logistics company and a graduate of the prestigious Y Combinator program based in Silicon Valley. Momentus is the first company providing in-space transportation services for satellites. The company was founded in 2017 in Santa Clara, CA. Momentus designs and builds transfer vehicles propelled by proprietary water plasma thrusters. The vehicles ferry satellites to custom orbits after they are delivered by conventional rockets to their initial orbit. Momentus is a 70 person team growing rapidly.

For more information visit <http://www.momentus.space>