



AAC Hyperion in consortium selected to deliver laser system to TNO

2023-03-22 AAC Clyde Space AB (publ)

A consortium including AAC Clyde Space subsidiary Hyperion, has been selected by TNO of the Netherlands to deliver a new direct-to-Earth laser communication terminal for small satellites in LEO. The order value is EUR 0.3 M (approx. SEK 3.3 M) with planned delivery in 2025.

Apart from AAC Hyperion, the consortium includes the Dutch consortium FSO Instruments, consisting of the enterprises Demcon and VDL. The terminal, named HemiCAT, is an optical communication terminal which will have Coarse Pointing Assembly (CPA) capability, lowering the requirements on the satellite platform's own pointing ability. AAC Hyperion and its partners will provide the terminal's electronics and software.

In designing and building the electronics and software subsystems, AAC Hyperion will leverage its experience from similar projects, and reuse some building blocks developed in the CubeCAT project. The goal is for the HemiCAT to perform at levels similar to those of the CubeCAT.

AAC Hyperion's CubeCAT system provides a bidirectional space-to-ground communication link between a CubeSat and an optical ground station, with downlink speeds of up to 1 Gbps and uplink data rate of 200 Kbps.

"The HemiCAT project leverages some of our most appreciated CubeSat technology in the next segment, small satellites. This is an illustration of how dynamic the development environment is in space technology today, where a lot of innovation comes from CubeSats" says AAC Clyde Space CEO Luis Gomes.

Laser communication technologies are being increasingly used to send data generated on satellites directly to earth. By transmitting through the infra-red wavelength band, the limitations of standard radio frequency communication technologies are avoided thereby increasing transmission capabilities of satellites ten to hundred fold. Moreover, laser communication links are seen as more secure and laser communication systems have the potential of lower size, weight and power, which is important in the Space domain.

FOR MORE INFORMATION:

Please visit: www.aac-clyde.space or contact:

CEO Luis Gomes investor@aac-clydespace.com

CFO Mats Thideman, investor@aac-clydespace.com, mobile +46 70 556 09 73

ABOUT AAC CLYDE SPACE

AAC Clyde Space specialises in small satellite technologies and services that enable businesses, governments and educational organisations to access high-quality, timely data from space. Its growing capabilities bring together three divisions:

Space Data as a Service – delivering data from space directly to customers

Space missions – turnkey solutions that empower customers to streamline their space missions

Space products and components – a full range of off-the-shelf and tailor-made subsystems, components and sensors

AAC Clyde Space aims to become a world leader in commercial small satellites and services from space, applying advances in its technology to tackle global challenges and improve our life on Earth.

The Group's main operations are located in Sweden, the United Kingdom, the Netherlands, South Africa and the USA, with partner networks in Japan and South Korea.

AAC Clyde Space's shares are traded on Nasdaq First North Premier Stockholm. Erik Penser Bank AB is the Certified Adviser. The share is also traded on the US OTCQX- market under the symbol ACCMF.