



## The AOS Satellite Ymir-1 has Successfully Launched Aboard the SpaceX Falcon 9 Rocket

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**The Swedish built Ymir-1 satellite has been successfully launched on November 11, 2023 from the Vandenberg Space Force base in California, USA aboard a SpaceX Falcon 9 rocket on the Transporter 9 mission.**

The satellite is housed inside the D-Orbit orbital transfer vehicle, In Orbit Now (ION), which successfully separated from the launcher into a 525-kilometer Sun Synchronous Orbit. The satellite will remain in the dispenser for approximately 3 months during the orbit transfer process and will be deployed once reaching its operational 640-kilometer orbit. After deployment, the satellite will undergo its commissioning phase ahead of starting the operational phase.

Ymir-1 is part of the collaborative AOS project between AAC Clyde Space, Saab, and ORBCOMM. The project is developing a next-generation space-based VDE (VHF Data Exchange) system. The flight proven AAC Clyde Space EPIC LINK CubeSat hosts Saab's advanced R6 VDES PAYLOAD transponder for two-way communication between satellite and ground. ORBCOMM will integrate data into its distribution center for the maritime navigation and communications service deployment.

Space-based VDES represents a technological leap forward in maritime communication, offering vessels the capability to exchange data in real-time on a global scale. It provides much needed improvements to current AIS-based Vessel Traffic Services (VTS) offering up to 32 times more bandwidth than AIS. VDES will enable a broader array of applications in maritime surveillance, encrypted communications, fishery management, logistics, search and rescue and marine integrated applications. By adding space-based capability to VDES, the use of the system is extended from the shoreline to anywhere in the ocean.

*"Ymir-1 represents a significant milestone for the world-wide maritime community, offering improved navigation and communications. Together with our partners AAC Clyde Space is helping to make maritime operations safer, better connected, and greener,"* says **AAC Clyde Space CEO Luis Gomes**.

*"Saab's focus is innovation and to be at the forefront of technology. By using the space domain, we can strengthen and improve already existing products in our portfolio. The satellite launch is an important step in our investment in space and demonstrates our ability to utilise available Saab technology to, together with our partners, create new unique space applications,"* says **Christian Hedelin, Chief Strategy Officer at Saab**.

### **FOR MORE INFORMATION:**

Please visit: [www.aac-clyde.space](http://www.aac-clyde.space) or contact:

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## **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 Growth Market. Erik Penser Bank AB is the Certified Adviser. The share is also traded on the US OTCQX-market under the symbol ACCMF.

## **About Saab**

Saab is a leading defence and security company with an enduring mission, to help nations keep their people and society safe. Empowered by its 20,000 talented people, Saab constantly pushes the boundaries of technology to create a safer, more sustainable and more equitable world. Saab designs, manufactures and maintains advanced systems in aeronautics, weapons, command and control, sensors and underwater systems. Saab is headquartered in Sweden. It has major operations all over the world and is part of the domestic defence capability of several nations.