

IAF SPACE EDUCATION AND OUTREACH SYMPOSIUM (E1)  
In Orbit - Postgraduate Space Education (4)

Author: Mr. Jøran Grande  
Andøya Space Education, Norway, joeran.grande@andoyaspace.no

Mr. Sebastian Straube  
Isar Aerospace Technologies GmbH, Germany, sebastian.straube@isaraerospace.com

Mr. Terje Stabæk  
Norway, terje@newspacenorth.com

Dr. José Miguel González Pérez  
Norway, jose@narom.no

ACCESS TO SPACE FROM NORWAY FOR EUROPEAN UNIVERSITIES AND STARTUPS

**Abstract**

A new launch site for small satellites, Andøya Spaceport is currently under development by Andøya Space in Norway. ISAR Aerospace is one of the commercial launch service providers who aims to revolutionize access to space for small and medium-sized satellites. To be in the forefront of the NewSpace industry and prepare for the future, it is important to start early and work closely with student organization, universities, and startup companies. Hence, ISAR Aerospace is teaming up with Andøya Space Education and the newly established innovation center, NewSpace North. Together they will make unique opportunities by providing dedicated access to space for European universities and NewSpace startup companies.

Andøya Space Education is running a three-year space educational program where one of the goals is to test out the educational part of the concept, Access to Space for Norwegian Universities. The first Norwegian university satellite is selected for the maiden flight of the Spectrum Rocket by ISAR Aerospace from Andøya. The FramSat-1 satellite is being built by the student organisation Orbit NTNU at the Norwegian University of Science and Technology. The satellite also includes new miniaturized sun sensor currently under development by the company EIDEL.

Parallel to the construction of Andøya spaceport the innovation Center, NewSpace North is in the process of establishing new services and infrastructure to create a strong innovation environment for space technology and satellite operations. Physical and digital infrastructure will enable innovation programs and activities on and off site – in and outside of Norway. This paper will present the status and future plans for the program, ACCESS TO SPACE for European universities and startups.