

Laser Safety in Ny-Aalesund: Aircraft Avoidance System (AAS)

Ole J. Klingan, Gøril M. Breivik, Gro Grinde, Robin Kleven, Magne Bugten

(1) Norwegian Mapping Authority (Kartverket), Hønefoss, Norway

The new SLR station in Ny-Ålesund will be different from the other SGSLR stations as it cannot use a radar for aircraft detection.

A lot of work has been put into creating a system for aircraft detection that will meet the requirements of all stakeholders (NMA, NASA, The Norwegian Civil Aviation Authority, The Governor of Svalbard, etc.).

We will present the current status of the system development, as well as showing what subsystems the AAS will consist of, how they fulfill each other to make a complete and safe aircraft detection system and how the system interfaces with the SGSLR Laser Safety Subsystem.