

## ***Star trackers roadmap, and how lessons learnt help to design future Sodern star trackers***

*by Mr. Arnaud Colmon (SODERN)*

In this presentation Sodern explains its star trackers roadmap. The company best seller, the SED26, built around a CCD detector, will be soon replaced by a new one using all advantages permitted by CMOS detectors. The smallsat market is addressed by AURIGA, being built in large quantities for OneWeb constellation.

Both these new star trackers are designed thanks to large company heritage, and their performances are accurately predicted by simulation tools. These tools have already been used for HYDRA. Deep analysis of flight data demonstrate how HYDRA performs as predicted.

### Co-authors:

L. Oddos-Marcel (SODERN)

B. Gelin (SODERN)