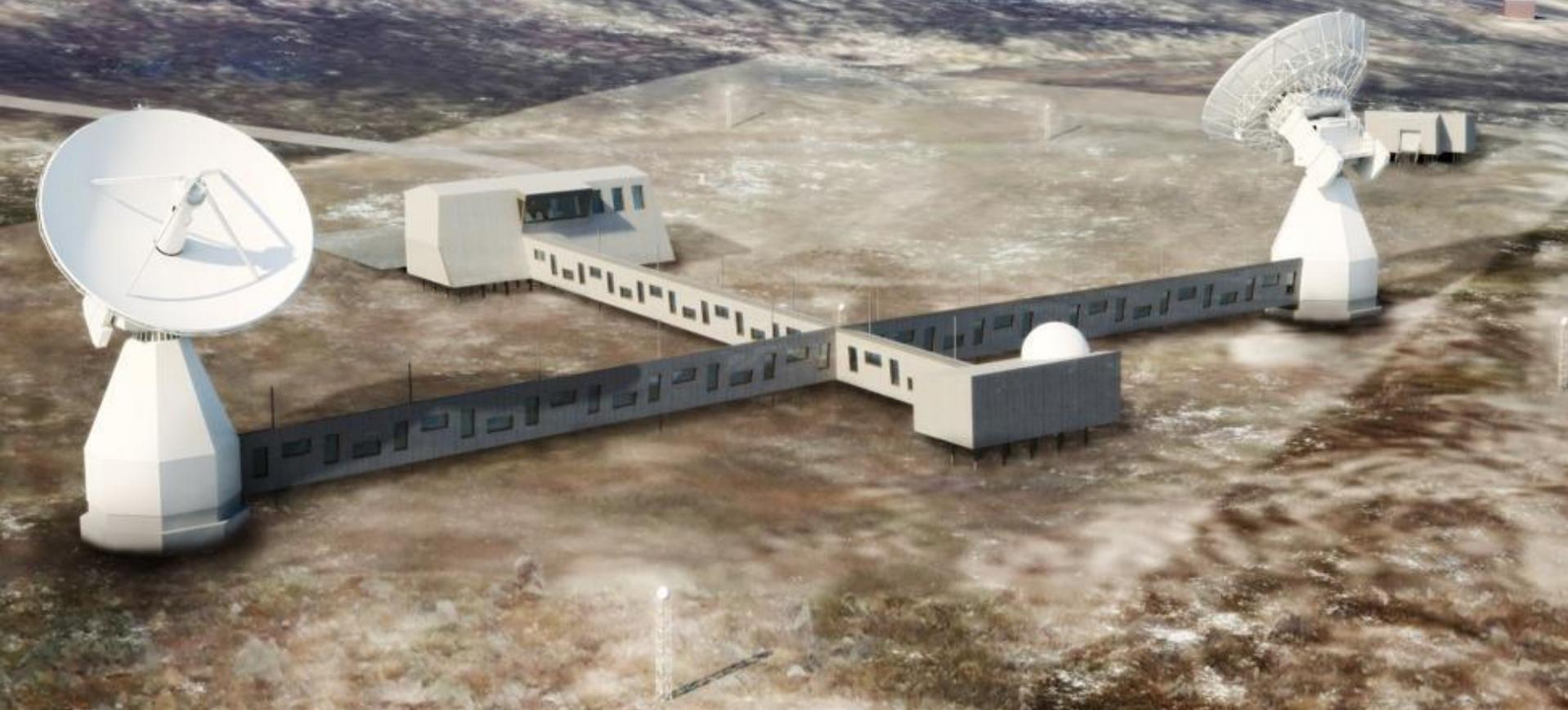


Establishment of a new fundamental site Ny-Ålesund



2013 Road and bridge



The ship preparing fiber cable 2013



Station area 2014



Solid rock



Site overview Feb 2015



Nice weather !



Concrete work done



GNSS fundament



GNSS fundament



Gravity building



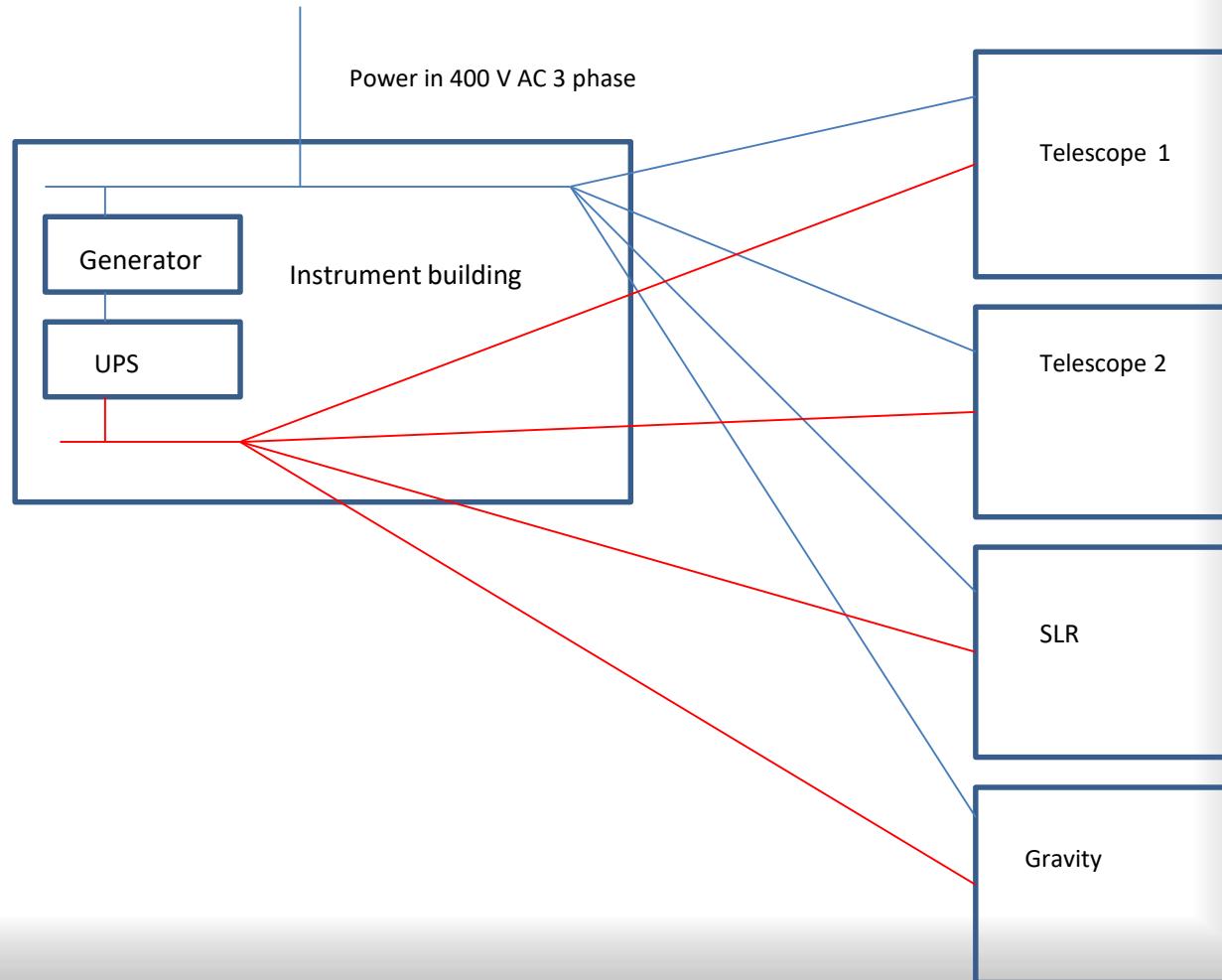
SLR building



Box for VLBI signal cables



Power distribution Ny-Ålesund



Ny-Ålesund Geodetic Earth Observatory Sep 2015



Photo: Torbjørn Nørbech

FAT first telescope Oct 2015



May 2016





Other things

- Maser (T4 Science) in operation June 2016
- Triband feed from Yebes for tests in NS
- ACS from Yebes for antenna control
- Backend: DBBC3 and Flexbuff with 32 eth
- First broadband feed from Yebes summer 2019
- SLR 2022
- GNSS in operation Nov 2015
- Local tie
- DORIS about 400 m away, connected with local tie

Constructor web page

<http://veidekkearctic.no/>

Challenges

1. Lack of VGOS correlation capacity
2. Test of full VGOS not possible
3. Lack of up to date development plan for VGOS operation/analysing capacity
4. VGOS HW/infrastructure must be built to match the development plan in item 3.
5. Operational cost of the Observatory in standby without observing is about 100k€.
6. Damaging for geodetic activities not to fully utilize the Observatory due to lack of international correlation capacity.



Opportunities

<https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/infradev-01-2019-2020;freeTextSearchKeyword=;typeCodes=1;statusCodes=31094501,31094502;programCode=null;programDivisionCode=null;focusAreaCode=null;crossCuttingPriorityCode=null;callCode=Default;sortQuery=deadline;orderBy=desc;onlyTenders=false;topicListKey=topicSearchTablePageState>

Oct 27, 2017

Design Studies

ID: INFRADEV-01-2019-2020

Type of action:

RIA Research and Innovation action

Deadline Model: single-stage

Planned opening date: 25 July 2019

Deadline: 12 November 2019 17:00:00 Brussels time

Forthcoming

Horizon 2020

Work programme: European research infrastructures (including e-Infrastructures)

Work programme year: H2020-2018-2020

Call name: Development and long-term sustainability of new pan-European research infrastructures | Call ID: H2020-INFRADEV-2018-2020

See all topics of this call >

See budget overview

Topic Updates	Topic Description
Topic description	Specific Challenge: New leading-edge research infrastructures in all fields of science and technology are needed by the European scientific community in order to remain at the forefront of the advancement of research, and to be able to help industry strengthen its base of knowledge and its technological know-how. The aim of this activity is to support the conceptual and technical design for new research infrastructures which are of a clear European dimension and interest. Major upgrades of existing infrastructures may also be considered if the end result is intended to be equivalent to a new infrastructure.
Conditions and documents	Scope: Design studies should tackle all the key questions concerning the technical and conceptual feasibility of new or upgraded fully fledged user facilities (proposals considering just a component for research infrastructures are not targeted by this topic). A design study proposal should demonstrate the relevance and the advancement with respect to the state-of-art of the proposed infrastructure. It should indicate the gaps in the research infrastructure landscape the new facility will cover as well as the research challenges it will make possible to address. All fields of research are considered.
Partner Search	
Submission service	
Get support	
Call information	

Kartve

Questions ?

