

Project:

LONGYEARBYEN GLOBAL SEED VAULT

LOCATION:

Longyearbyen

YEAR:

2017-2019

CLIENT:

Statsbygg

SCOPE/PHASE:

Concept design, detail design and follow-up on site

PROJECT RESPONSIBLE:

Knut-Ola Lunde (kol@olavolsen.no)



Photo: Trond Isaksen/Statsbygg

Project description:

The Longyearbyen Global Seed Vault was established in 2008 with one active vault out of the three made in the mountain. In addition, Statsbygg has had some difficulties with water in the entrance tunnel since the beginning. The project for Olav Olsen has been to evaluate the existing facility and suggest a new solution to Statsbygg. The suggested solution was to remove the existing tunnel and construct a new tunnel in pre-tensioned concrete. A new structure on the outside to house technical installations and office facilities are also included.

After the suggested solution was accepted by Statsbygg it was detailed by Olav Olsen and bid documents prepared. Dr.techn. Olav Olsen contributed during the contract negotiations with the contractors and where responsible for technical follow-up on site during the whole project with a special focus on quality assurance of the concrete and steel structures.

The project reached all pre-determined goals and were handed over to the users in October 2019.