

# Telecom site solar plus storage for arctic research station Svalbard



## Overview

State-owned energy company Store Norske Energi installed the solar and storage at Isfjord Radio on the island of Spitsbergen, the largest and the only permanently populated island in the archipelago, and the solar farm is expected to come online tomorrow. More than 300 solar panels will supply power to a former radio station in Svalbard. A full-scale test as Svalbard implements its energy transition. People living in this region depend on coal and diesel for their energy needs. But could solar power offer a green. The facility is pioneering a renewable energy future for Svalbard as Norway's last coal mine shuts down on June 30. Not only was it Norway's National Day, it was also the first full 24-hours when solar panels produced all electricity. Rifle and flare gun are mandatory when Inge Jørstad walks over the permafrost to the large solar park powering Basecamp Isfjord Radio. Here, polar bears are a bigger challenge than technical breakdown.



## Article Content

Norwegian developer switches on northernmost ground-mounted PV

Store Norske Energi AS has installed a PV system in the Svalbard archipelago, the last inhabited strip of land before the North Pole. The company told pv magazine that the system could

Testing out the power of solar energy in Svalbard, Norway

The station currently functions as a combined telecommunication station and hotel, so it needs to have a reliable energy supply all year. But it is also the perfect

Svalbard solar park showcases zero-emission future for remote Arctic ...

When the solar panels produce more power than the Basecamp hotel consumes, surplus energy is used to charge a

Solar panels go into service near North Pole

Neatly lined up in six rows in a field, 360 solar panels will on Thursday begin providing electricity to an old shipping radio station, Isfjord Radio, now converted into a base camp for...

Solar Power Shines at North Pole: Isfjord Radio Test Site

Experience the warmth of the sun in Norway as 360 solar panels are installed in the Svalbard Archipelago, providing electricity to an old shipping radio

Solar panels installed in remote Arctic community to power green

Norway has installed the world's northernmost ground solar panels in its Svalbard archipelago, a region plunged in round-the-clock darkness all winter. The pilot project could help

Svalbard solar park showcases zero-emission future for remote Arctic ...

When the solar panels produce more power than the Basecamp hotel consumes, surplus energy is used to charge a battery bank. There are also 12 water tanks with a capacity of 12,000

Svalbard: World's Northernmost Solar PV Project

The solar panels were mounted on the ground near the Isfjord Radio station, which is also a weather station and provides accommodation for tourists and researchers. Built back in 1933,

Svalbard solar park showcases zero-emission future for remote Arctic ...

Svalbard solar park showcases zero-emission future for remote Arctic communities  
Rifle and flare gun are mandatory when

## Arctic Access

Norway has ground stations for receiving satellite data in two of the coldest and most inhospitable places on Earth, Svalbard and Antarctica. It is the locations of

Svalbard as a showcase for renewable energy in the High Arctic using ...

Since 2020, the University Centre in Svalbard (UNIS), has developed a special focus on Arctic renewable energy, in particular solar, wind and geothermal energy.

The world's northernmost solar farm is about to come online

Norway has installed the world's northernmost solar farm and battery storage in the Svalbard archipelago, just south of the North Pole.

## NERC ARCTIC RESEARCH STATION SCIENCE SUMMARIES

THE NERC ARCTIC RESEARCH STATION es to support excellent environmental science. It is manage The Station is available to support researchers based in the United Kingdom across a wide range of

## Mobile Coverage in Antarctica - Operated From Svalbard

It is a historic event as Telenor opens the world's southernmost base station in Antarctica, which will be operated from the world's northernmost base station on Svalbard. Access to content

## CIGI Papers No. 291 — March 2024 Undercover Infrastructure Dual

nal interviews with scientific researchers (who wished to remain anonymous) engaged in Arctic studies. The authors' research suggests that there are ground stations in the Arctic with dual-

## Ny-Ålesund: International Arctic Research Station | Magazine PONANT

The international research station in Ny-Ålesund Ny-Ålesund, a settlement formerly dedicated to mining, hunting, fishing

## Energy transition: Isfjord Radio tests solar panels

More than 300 solar panels will supply power to a former radio station in Svalbard. A full-scale test as Svalbard implements its energy transition.

## Norway brings solar panels into service near the North Pole

Norway has installed solar panels in its Svalbard archipelago, a region plunged in round-the-clock darkness all winter, in a pilot project that could help remote Arctic communities transition to

## Norwegian Government Approves Arctic Way Subsea Cable Linking Svalbard ...

The Norwegian government has decided in cabinet to ask the Storting for authorization to enter into an agreement with Space Norway AS to establish a new submarine fiber connection to

Solar panels installed in remote Arctic community to

Norway has installed the world's northernmost ground solar panels in its Svalbard archipelago, despite the region being plunged into darkness from

Arctic community dark half the year uses the sun in a

Installing solar panels in a place that experiences around five months of complete darkness might seem counterintuitive, but a new initiative in the

#### COMMUNITY SATELLITE STATION

Located at 78 degrees latitude, the Svalbard Arctic Archipelago is the site where many technical infrastructures converge both above and below ground. Historically these were primarily coal mines

Svalbard will be a showcase for renewable energy

UNIS, Store Norske and SINTEF have therefore entered into an agreement on strategic cooperation within renewable energy systems adapted to

#### NERC ARCTIC RESEARCH STATION SCIENCE SUMMARIES

THE NERC ARCTIC RESEARCH STATION Established in 1991, the UK's Arctic Research Station in Svalbard is funded by the Natural Environment Research Council (NERC) as part of a broad network

On Norway's internet frontier, the future is here — again

Back in 2014, when the Norwegian telecom company Telenor finished laying fiber-optic cable in Svalbard, it temporarily placed the territory at the frontier of internet technology. Access to

What Are the Uses of Solar in Arctic Research Stations? Powering ...

Combining high-capacity storage with smart energy management software keeps research stations powered consistently and sustainably, regardless of external weather conditions. Challenges and

Eye on the Arctic

Hier sollte eine Beschreibung angezeigt werden, diese Seite lässt dies jedoch nicht zu.

## Contact Us

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