

Are Longyearbyen and Svalbard facing an energy transition?

Top image: Longyearbyen and Svalbard are facing an energy transition. This is the background for the cooperation agreement between UNIS, Store Norske and SINTEF. Photo: Graham Gilbert/UNIS. Longyearbyen and Svalbard are facing a huge energy transition.

Can wind and solar power be used in Svalbard?

23) This approach is supported by an earlier case study prepared by The Nordic Council of Ministers (2018) titled 'De-carbonising Svalbard', 24) which suggests that wind and solar power used in combination with both electric boilers and heat pumps would provide ample electrical supply.

How can Svalbard maintain a secure and sustainable supply?

Furthermore, the case found that the best long-term solution for Svalbard to maintain a secure and sustainable supply would be to integrate a mix of renewable energy technologies. Some of these technologies include: solar panels (PV), wind turbines, heat pumps connected to geothermal and both heat and electricity storage.

How has Norway diversified its activity in Svalbard?

Besides tourism, Norway has further diversified its activity on Svalbard by investing in high-level Arctic research. Norway has transformed the ex-mining town of Ny-Ålesund into an international Arctic research hub and established The University Centre in Svalbard (UNIS) in 1993.

How has Norway reinvented Svalbard's economy?

During this period, towns were built around commercial coal mining activity. Although coal mining is still present, activity is dwindling and Norway has reinvented Svalbard's economy by transitioning towards three main industries: scientific research, education and tourism. 2)

Who owns the Svalbard coal mine?

The company facilitates and supports the coal mining industry as well as the community. Situated in Longyearbyen, Svalbard's administrative capital and largest settlement 6) the other active coal mine is run by the Norwegian state-owned enterprise Store Norske.

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Surface mass and energy balance of Svalbard, Jan Mayen, 2008 - Volume 51 Issue 55. ... Jan Mayen is a Norwegian island situated in the North Atlantic Ocean ... Climate statistics and long-term series of temperature and precipitation at Svalbard and Jan Mayen. Oslo, Det Norske Meteorologiske Institutt. (DNMI

KLIMA Rapp. 21/97.)

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Svalbard et Jan Mayen. Svalbard et Jan Mayen est un terme statistique qui fait référence à deux territoires norvégiens de l'océan Arctique : . l'archipel de Svalbard (ou plus souvent l'archipel du Spitzberg en français, bien que le nom ne désigne normalement que la plus grande île de l'archipel), et l'île Jan Mayen, (non loin du nord-est de l'Islande, ou l'est du ...

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The Renewable Energy Buyback Scheme is no longer available to new applicants, it has been replaced with the Distributed Energy Buyback Scheme (DEBS). The Distributed Energy Buyback Scheme gives eligible customers a chance to earn money for sending excess energy from an eligible solar and/or a battery system back to the grid.

"By installing these containerised battery systems in Collie, Synergy is one step closer to securing a cleaner energy mix that can provide power to the system when it's most needed." The development is part of the Western Australian government's broader commitment to the energy transition, which has already seen an investment of A\$5.4bn.

Supporters of Norway's decision argue that, while deep-sea mining is not without ecological consequences, it will also enable a more rapid transition to clean energy and, ultimately, generate fewer carbon emissions ...

Both Svalbard and Jan Mayen consist almost entirely of Arctic wilderness, such as at Bellsund in Svalbard.. Svalbard is an archipelago in the Arctic about midway between mainland Norway and the North Pole. The group of islands range from 74° to 81° north latitude, and from 10° to 35° east longitude. [1] [2] The area is 61,022 square kilometres (23,561 sq mi) and there were 2,595 ...

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January Weather in Longyearbyen Svalbard & Jan Mayen. Daily high temperatures are around 15°C, rarely falling below -7°C or exceeding 34°C. Daily low temperatures decrease by 2°C, from 6°C to 3°C, rarely falling below -18°C or exceeding 26°C. For reference, on July 21, the hottest day of the year, temperatures in Longyearbyen typically range from 41°C to 47°C, while on ...

1 World Bank Income Classification as of the Fiscal Year 2023 2 GDP, Power Purchasing Parity (constant 2017 international \$) from the World Development Indicators 3 Population, total from the World Development Indicators

Australia's Energy Minister, Reece Whitby, expressed his enthusiasm for the project, stating: "This is an exciting milestone for Western Australia's decarbonisation journey. Synergy's ground-breaking project is significant for the Collie community and will help local workers and families as Synergy seeks to exit coal-fired power by 2030.

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