With green aviation, we build the future.

POWER UP.

Join forces for an innovation center with research and advanced technology development in the Oslo area with 1.4 million inhabitants.



An innovation center for Norwegian aviation

Norwegian aviation is calling for a center for research, innovation and technology development. On 15 March 2024, the Government can present the news that they will prioritize NOK 1 billion in the National Transport Plan (NTP) for an accelerated phasing-in of zero- and low-emission aviation in Norway.

Avinor and CAA announce on 24 April 2024 that they will establish a test and innovation center for green aviation.

The transition to green aviation

makes it possible to use Norway as an arena to "create national values, competitiveness and sustainable public solutions of great value for both Norway and the world", according to SINTEF.

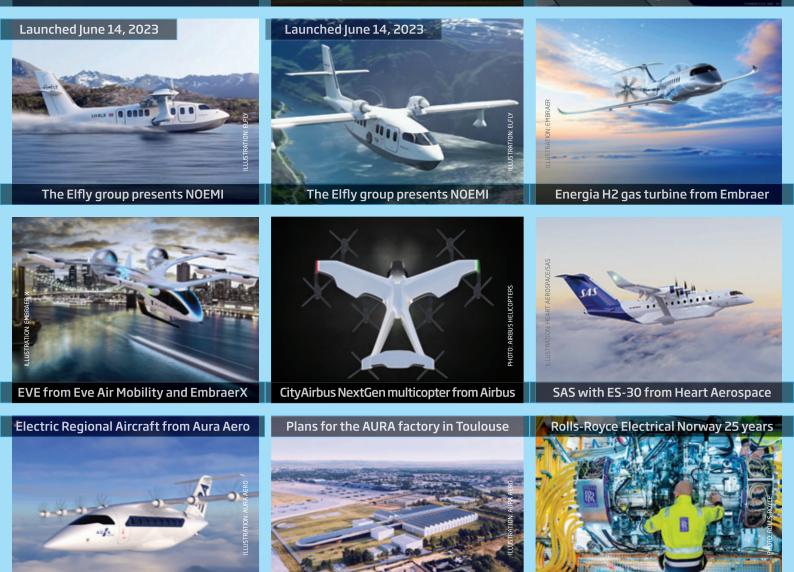


Storting 6 October 2023 : Finance Minister Trygve Slagsvold Vedum (Sp) presents the state budget for 2024, which forms the basis for establishing an innovation center for green aviation. Photo: AIR24

"Norway is a country that is ideally suited for **testing and piloting** new and environmentally friendly aircraft, and in the long term, when aviation has gone through the green shift, air travel will be the most environmentally friendly way to travel", states Transport Minister Jon-Ivar Nygård (Ap).



At the start of the hybrid-electric aviation industry





The airports at Hamar, Kjeller and Voss are all threatened by housing development. With the government's desire to accelerate the phasing in of low and zero emission aviation, airports can become central to creating easier everyday journeys and increased competitiveness for business. Photo: Blueskies, Urban Sky and Morgan Mackay

Airports are the cornerstones of aviation

The government is calling for faster phasing in of green aviation. Airports at Hamar, Kjeller and Bømoen (Voss) can contribute to easier everyday travel and increased competitiveness.

Other local public airports of

great value are Geiteryggen (Skien), Notodden and Lista (Farsund).

Airports are the cornerstones

of aviation, according to Airbus. In a January 2021 report, NASA highlights the value of local airports and concludes that Regional Air Mobility will "fundamentally change how we travel" by bringing increased comfort, greater flexibility and safety to air travel. During a breakfast meeting in Oslo on 24 April 2024, Avinor and the Norwegian Civil Aviation Authority announced that they will establish a test and innovation center for green aviation. So far, they have not decided on one location. The need and potential is greatest in the Oslo area with 1.4 million inhabitants.

KJELLER – **A UNIQUE CENTER** FOR INNOVATION IN NORWEGIAN AVIATION

With the phasing in of decarbonised aviation in Norway, local and regional airports will gain new value. To succeed, a gathering of forces is needed. Kjeller is a unique center and the origin of one of the country's largest innovation environments. Since 2018, the historic area has been a base for electric aircraft.

From past to **FUTURE**

599

Fetveien

The transition to low and zeroemission aviation creates new needs and opportunities in the Oslo area.

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Kjeller has been a sandbox for new technology for over 100 years in Norway, since 2018 as a center for test and innovation with electric aircraft.

Storgata

Mot Lillestrom

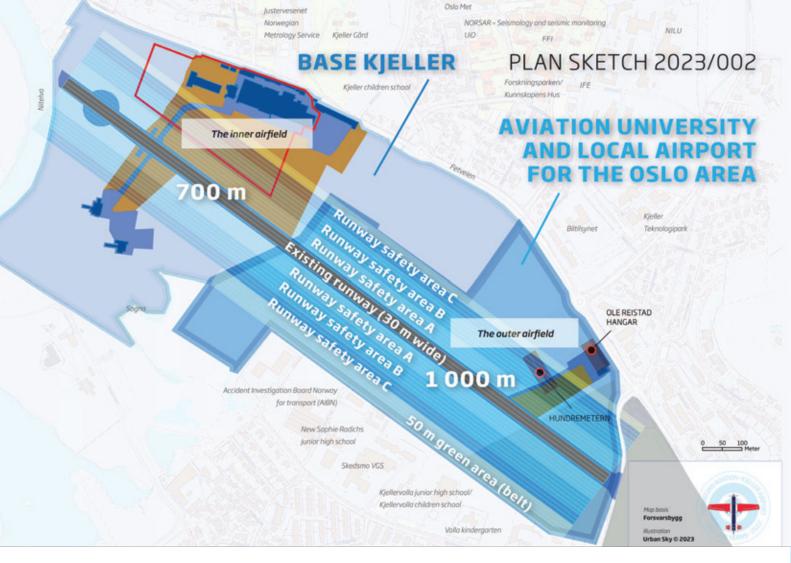
Illustr.: Ole A.Krogness

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Recommends 2x130 m wide safety zones

The Norconsult ROS analysis recommends to increase the distances between the runway and buildings, "for example by 130 or 260 metres" to reduce vulnerability. The plan sketch above shows how runway safety area (RSA) A (50 m), B (50 m) and C (30 m) provide space for a 50-metre-wide green belt next to schools and kindergarten. UK Minister for State, Industry and Economic Security, Nusrat Ghani, with opening remarks at the ZERAC23 conference in Oslo on 20 September 2023. Photo: AIR24



Transport Minister Jon-Ivar Nygård (Ap) presented the government's new aviation strategy adopted by the Storting on 2 May. According to the government, there is a great need for an accelerated phasing in of greener aviation. Photo: Clean Sky

"The need for an accelerated transition"

■ "The need for an accelerated transition to greener aviation is evident" [...] "Zero or low emission regional aviation solutions can be of significant value and even unlock new markets", says Norsk Industri.

The climate program Green Aviation and Ministry of Transport (SD) organized the conference ZERAC23 in Oslo on 20 September, on instruments for faster phasing in of green aviation. **SD will speed up** the transition to decarbonised aviation so that the first commercial zero- and low-emission aircraft can be phased into the shorthaul airports as soon as technology permits.

The results The results from a consultation carried out in the autumn of 2023 have been followed up by the government in the work with NTP 2025-2036, which was presented by the government on 15 March 2024.

Preserve the past. Create the future.

NOK 1 billion for green aviation

Finance Minister Trygve Slagsvold Vedum (Sp) and the Government have prioritized over NOK 1 billion in the National Transport Plan (NTP) for an accelerated phasing in of zero- and low-emission aviation in Norway. Currently, a funding package is missing to develop Kjeller as a local airport in the Oslo area. With the separation of Viken county municipality, the number of inhabitants in the new Akershus county municipality and Oslo will amount to 1.4 million inhabitants.

First in the Nordics with Integral E from Aura Aero

NLF signs "Letter of Intent" during AERO 2024 in Friedrichshafen



The future is low and zero emissions!



Further development of local airports can contribute to the acceleration of the green shift in aviation. It will create more dynamism in research, innovation and technology between aircraft manufacturers, airlines, academia, business and tourism. The Storting will strengthen the short-haul network in the new aviation strategy. Local airports have proven valuable in efforts to save lives and reduce flood damage, as a result of storm "Hans" in August. Availability is important for increased social security.

Aquila A211 at Kjeller flyplass in 2014

FOULA

Integral S at Toulouse Francazal Airport in 2023



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NEWION

Isaac Newton - english mathematician, physicist and inventor

Roald Amundsen - polar researcher, aviation pioneer and innovator

Wilhelm Mohr - fighter pilot, lieutenant general and founding father of the air force (RNoAF)







in Norway

Become a sponsor of the innovation centre!

in Norway

The sponsorship is part of the **Amundsen Guild**, inspired by three fundamental laws of motion from Isaac Newton in 1687, aviation pioneer Roald Amundsen and the founder of the air force in Norway, Wilhelm Mohr.

The future is electric. Join the establishment of an innovation center and financing package to develop Kjeller as a local airport in the Oslo area for 1.4 mill. residents.

Roald Amundsen came from lecture tours in USA to Kjeller in 1913 and is Norway's first student pilot. On 11 June 1914, he obtained international pilot license no. 1.

For Roald Amundsen, who in 1914 donated the trainer MF S.3 Longhorn to RNoAF, it was the start of **the race to the North Pole**. The aviator badge is a testimony of skills after completed training. The wing grants rights to learn more.



Willer. 4

On 11 June 2014, Lieutenant General Wilhelm Mohr and Gabriel K. Berg were the main characters in the 100-year celebration of Roald Amundsen's international flight certificate no. 1. As in 1914, there was a return trip from Kjeller to Gardermoen, this time also with two training aircraft from the Air Force. Pilots were Anders Håkensen in Saab Safir, Ketil Knotten in Fairchild Cornell and Hans Petter Fure in Birddog.

Green aviation starts at the flight schools

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Aviation to quadruple in 2050?

Forecasts from Eurocontrol and Clean Aviation JU in the EU indicate a possible quadrupling of air traffic in the decades leading up to 2050. The Norwegian Air Sports Federation expects that the number of public flights will multiply as a result of electrification.

Airports in the

Nordic region

Keflavik Airport Reykjavik, Iceland

> Vága Airport The Faroe Island

> > Kjeller Airport Romerike, Oslo, Norway

> > > OSL - Oslo Airport Gardermoen, Norway

Helsinki-Vantaa Airport

Stockholm Arlanda Airport

 \bigcirc

Copenhagen Airport, Kastrup Denmark

Innovation in **SCANDINAVIA**

The map shows a selection of technology development, education, research and **innovation powerhouses** related to the transition to green aviation in Scandinavia.

In Norway, national resources such as Innovation Norway, Enova, Norwegian Research Council and EksFin (Export Financing Norway) can be highlighted. Vinnova is Sweden's innovation authority that offers funding through Horizon Europe. Interreg Sweden-Norway is an EU program for cross-border cooperation.

Bergen

NORCE Norwegian Research Center Flesland

Stavanger Equinor, Forus, AeroNorway, Sola Innovation Park Stavanger

Kongsberg Group, GKN Aerospace

Horten

Jarlsberg Elfly Group

Norway **Sandefjord, Torp** Pilot, EHC

> Halden Smart Innovation

Arendal Kitron, Morrow Batteries, OSM Aviation

> **Grimstad** Sørlandets Teknologipark UiA, Campus Grimstad

Kristiansand Universitetet i Agder (UiA) Campus Kristiansand

Århus

København Lunds universitet

Malmø



ENMARK

Århus

-

København

Malmø

Narvik Aker, Aker Horizons, Teco 2030

Bodø CAA - Civil Aviation Authority of Norway Widerøe

> **Mo i Rana** Freyr Battery

Narvik

Mo i Rana

Bodø

Trondheim NTNU, SINTEF, SIVA Rolls-Royce Electrical Norway Siemens Energy

Rena TMBN Telemark Battalion FSK The Norwegian Armed Forces' special command The Norwegian special forces

Lillehammer Jørstadmoen, Cyberforsvaret

Skellefteå 🔵

Skellefteå Northvolt Ett

Gjøvik, Raufoss Raufoss Industripark NTNU, Nammo

Elverum Terningsmoen

Oslo Avinor, Oslo Science City, UiO, NHO, LO Oslo Science Park, Innovasjon Norway The Research Council of Norway, Eksfin

Lysaker, Høvik, Fornebu DNV, Norwegian

Kjeller FFI, IFE, Kjeller Science Park, FLO FMA Air Capacities, Kieller airport

FMA Air Capacities, Kjeller airport Kunnskapsbyen Lillestrøm Kjeller Technology Park Kongsberg defence & aerospace, KAMS, Kongsberg Aviation Maintenance Services

Rygge Luftforsvaret, KAMS

ESTON

Västerås ABB, Northvolt, Bombardier Innovation OSM Aviation

Stockholm SAS, SAAB

Säve Heart Aerospace

Linköping Saab Airport

Göteborg Chalmers tekniska högskole RISE Research Institutes of Sweden Volvo A network of

Trondheim

POWER CENTERS



Fly smart. Fly regional.

■ The number of flights may quadruple by 2050, HAMAR with a need for more airports, according to estimates from Eurocontrol and Clean Aviation JU in the EU. Nordic airports ■ A report from Avinor in 2021-2022 writes off the NATO base at Rygge and privately owned Eggemoen at Hønefoss as future local airports for the Oslo area. For the first time, Avinor is assessing whether Kjeller can be further developed as a current and future-oriented lsinki-Vantaa Airport alternative as a local airport. Kieller Airport stockholm Arlanda Airport OSL - Oslo Airport agen Airport, Kastrup **OSL** EGGEMOEN GARDERMOEN ■ The choice of a new local airport is still between Rakkestad, Jarlsberg, **OSLO** Kjeller, the 3rd runway at OSL or the **KIELLER** construction of new infrastructure near the center of Oslo. ■ The government's first priority in the new aviation strategy is "an efficient everyday life for the population and business". RYGGE RAKKESTAD RASE **JARLSBERG**

Take the train to YOUR LOCAL AIRPORT

If you want to travel as climatefriendly as possible, in a few years you can take the train to your local airport and board a regional plane with low or zero emissions. The first electric passenger planes are expected in 2028-2030. The map shows BANE NOR's train lines in the Oslo area along with existing airports. The future is Bergen Voss electric and aviation will Geilo eventually become the Hønefoss greenest, most flexible and fastest way to travel.

Notodden

Kristiansand

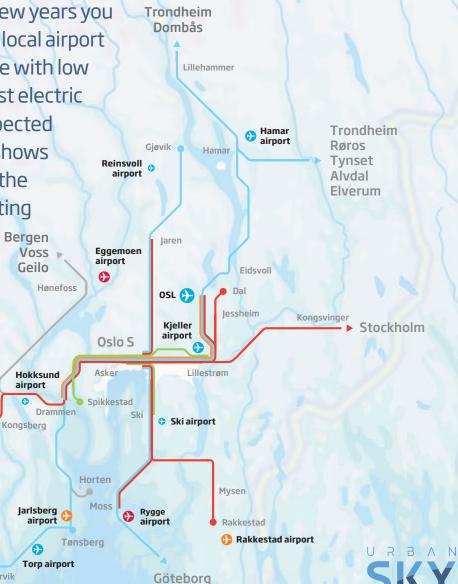
Stavanger

airport 🖻 Notodden

Skien

Larvik

Skien airport Geiteryggen



Local airport for 1.4 MILL. IN THE OSLO-AREA

Klanten 🗼

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In 1992, the Storting decided to close down Fornebu and at the same time promised a new full compensation of 30–60 min. from Oslo S. 30 years later, it is still unclear from the government and the Storting what will be the solution and financing of a local airport for 1.4 million in the Oslo area.





Become a sponsor!

We have a goal of reaching large parts of Norway's population at several events and through the use of media.



PHOTO: URBAN SKY

Depending on the chosen package, partners and sponsors will get the opportunity for exposure and network-based value creation.

- Become a sponsor of a new innovation center for Norwegian aviation
- Amundsen Guild for sponsors a network for innovation and development
- Strengthen the opportunities for travelers and business in Norway
- About EU's climate ambitions, current topics and smart energy solutions
- Promotion via portals and websites
- Presence at relevant arenas and events, with stands, banners and flags
- Use of 'sponsor wings' and pins from Urban Sky
- Special offer to download pictures from image server

For more information, contact and say hello to Urban Sky Mobile 900 94 157 – urbansky.no/tema/kontakt





Roadmap 2.0 was presented by Minister of Industry Jan Christian Vestre (pictured), Jonas Gahr Støre and Geir Pollestad. Photo: AIR24

Transport Minister Jon-Ivar Nygård (Ap) during SD's input seminar for the new National Transport Plan - NTP 2025-2036. Photo: DSS

15 billion for new green projects

The government launched "Roadmap 2.0 - Green industrial boost" on 28 Sept. and allocates NOK 15 billion to new projects.

The roadmap contains 3 billion in new capital to Nysnø (1.85 billion), Siva (1 billion) and Investinor (150 million), 10 billion in increased guarantees under Eksfin and 1 billion to loan framework under Innovation Norway and 1 billion over 5 years for development within battery projects.

According to the government,

"An efficient, environmentally friendly and safe transport system throughout the country in 2050" constitutes the target structure of the National Transport Plan - NTP 2025-2036.

During SD's input seminar for NTP in Oslo on 13 Feb. 2023, two

priorities are: 1. "Take care of what we have and build new where we have to" and 2. "Utilize existing capacity and transport offer better.

Flydagen 2023 at Kjeller Airport

Airshows and conferences are arenas for exposure



300+ AERIAL PHOTOS OF NORWEGIAN DAMS Package offer for sponsors

NB. Income goes to finance new emission-free trainers in flight schools.



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DOWNLOAD FROM OUR IMAGE SERVER Special offer for sponsors, partners and members

NB. Income goes to finance new emission-free trainers in flight schools.



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With a license to learn

There is a need for an accelerated pace in the green shift to reach the sustainability goals, according to the Government and Norsk Industri. The choices we make today have great significance for the upbringing of our children and young people. With a "license to learn" we can preserve the past and create the future.

Fly the future!

Join the 'dugnad' to accelerate the transition to green aviation with new opportunities for tourism and business for our next generations!

U R B A N



OSLO

• KJELLER AIRPORT

Innovation and technology centre at the local airport for the Oslo area

kjelleraviation.com