

# Norway aims for all short-haul flights 100% electric by 2040

17 January 2018



Domestic flights and trips from Oslo to other Scandinavian capitals are to become entirely electric

All of Norway's short-haul airliners should be entirely electric by 2040, the country's airport operator said on Wednesday, cementing the Nordic nation's role as a pioneer in the field of electric transport.

Avinor, the public operator of Norwegian airports, "aims to be the first in the world" to make the switch to electric air [transport](#), chief executive Dag Falk-Petersen told AFP.

"We think that all flights lasting up to 1.5 hours can be flown by aircraft that are entirely electric," he said, noting that would cover all domestic flights and those to neighbouring Scandinavian capitals.

In the near future, Avinor plans to launch a tender offer to test a commercial route flown with a small electric plane with 19 seats, starting in 2025.

Norway, the largest oil and gas producer in Western Europe, is paradoxically a leader in the field of [electric transport](#).

It has more electric cars on the road in terms of market share than any other country in the world—electric and [hybrid vehicles](#) represented more than half of new car registrations in 2017—and also has several projects underway for electric vessels.

"When we will have reached our goal, air travel will no longer be a problem for the climate, it will be a solution," Falk-Petersen said.

According to official statistics, air transport accounts for 2.4 percent of Norwegian greenhouse gas emissions for domestic traffic, and more than double that when international routes are included.

Electric air travel will also at least halve noise levels and the operating cost of aircraft, Falk-Petersen said.

But before reaching that point, Avinor said it would need to use intermediary technologies, such as biofuels and hybrid fuel-electric solutions.

Boeing and Airbus are currently exploring the viability of electric aircraft.

After abandoning a project for 100-percent electric planes last year, Airbus decided to refocus its efforts on developing a hybrid model, inking a partnership with British engine maker Rolls Royce and German industrial group Siemens. The first flight is planned for 2020.

Zunum Aero, a start-up partly financed by US aeronautics group Boeing, meanwhile plans to bring a hybrid plane to the market by 2022.

© 2018 AFP

APA citation: Norway aims for all short-haul flights 100% electric by 2040 (2018, January 17) retrieved 20 September 2021 from <https://techxplore.com/news/2018-01-norway-aims-short-haul-flights-electric.html>

*This document is subject to copyright. Apart from any fair dealing for the purpose of private study or research, no part may be reproduced without the written permission. The content is provided for information purposes only.*