

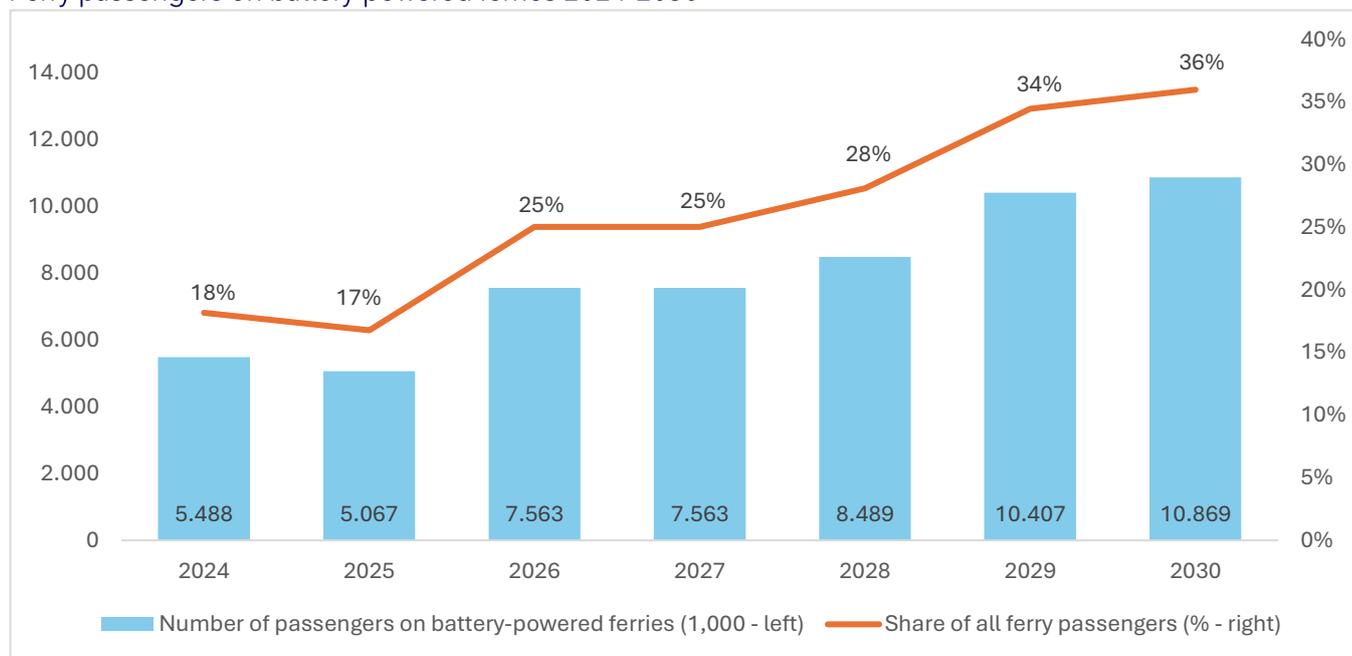
One in three ferry passengers on Danish routes could travel on battery-powered ferries by 2030

In 2024, approximately 5.5 million ferry passengers on Danish routes were transported on battery-powered ferries, corresponding to 18% of all ferry passengers.

Several announced investments in new battery-powered ferries, as well as conversions of existing vessels, are expected to significantly increase this number towards 2030.

Based on a simple projection built on route-specific assumptions, the number of passengers travelling on battery-powered ferries is estimated to more than double to approximately 10.9 million by 2030. This implies that around one in three passengers on Danish ferry routes (36%) will travel on a battery-powered ferry in 2030.

Ferry passengers on battery-powered ferries 2024-2030



Note: The figure shows a projection of the share and number of passengers travelling on battery-powered ferries. Hybrid ferries are not included.

In addition, 6.4 million passengers travelled on hybrid ferries in 2024. These ferries partly use batteries to reduce fuel consumption but are not included in the calculation, as their primary propulsion is not battery-based. If hybrid ferries are included, more than half of all ferry passengers on Danish routes could be transported fully or partly by electricity in 2030.

About the figures: The projection assumes that the number of ferry routes and ferries – and the number of passengers transported on them – remain unchanged until 2030. The projection is based on several additional assumptions, which are derived from route-specific passenger volumes and information provided by the relevant ferry operators. See annex.

Annex: Included ferry routes and assumptions

Øresundslinjen:

Passenger volume (2024): Just over 6.1 million passengers (adjusted for the estimated share of traffic carried by Sundbusserne).

Future changes: A third battery-powered ferry will be deployed in 2026.

Assumptions: Battery-powered ferries account for 80% of passenger transport in 2024-2025 and 99% from 2026 onwards (based on information from Øresundslinjen).

Estimated number of passengers on battery-powered ferries: 2024-2025: 4,880,000, 2026-2030: 6,039,000 per year.

Kattegat:

Passenger volume (2024): 3.3 million passengers.

Future changes: Two conventional ferries will be replaced by battery-powered high-speed ferries in 2028. The final conventional high-speed ferry is expected to be replaced by a third battery-powered high-speed ferry during 2029.

Assumptions: The gradual introduction of battery-powered high-speed ferries is expected to result in 28% of passengers being transported on battery power in 2028, 86% in 2029, and 100% in 2030.

Estimated number of passengers on battery-powered ferries: 2028: 926,000, 2029: 2,843,000 and 2030: 3,306,000.

Fanølinjen:

Passenger volume (2024): 1.9 million passengers.

Future changes: None - a battery-powered ferry has been serving the route since 2021.

Assumptions: The battery-powered ferry transports approximately 46% of passengers from 2026 onwards.

Note: In 2024-2025, the ferry has partly operated on biodiesel. The share of passengers transported on battery power is therefore reduced to 26% in 2024 and 4% in 2025.

Estimated number of passengers on battery-powered ferries: 2024: 498,000, 2025: 77,000 and 2026-2030: 632,000 per year.

Alslinjen:

Passenger volume (2024): 331,000 passengers.

Future changes: A battery-powered ferry will be deployed in 2026.

Assumptions: 100% battery operation from 2026 onwards.

Estimated number of passengers on battery-powered ferries: 2026-2030: 331,000 per year.

Samsølinjen:

Passenger volume (2024): 203,000 passengers.

Future changes: A battery-powered ferry will be deployed in 2026.

Assumptions: 100% battery operation from 2026 onwards.

Estimated number of passengers on battery-powered ferries: 2026-2030: 203,000 per year.

Søby - Fynshav:

Passenger volume (2024): 203,000 passengers.

Future changes: None - the route is already served by a battery-powered ferry.

Assumptions: 100% battery operation throughout the period.

Estimated number of passengers on battery-powered ferries: 2024-2030: 110,000 per year.