

PBES - Powering the Electric Marine Revolution

The electrification of the marine industry is here. PBES batteries power ferries, workboats, fishing boats and yachts to use less or zero fuel, increase safety, reduce maintenance costs and provide millions in savings each year. Reduced noise and air pollution provides harbour communities and ship workers with cleaner air and better lives.

* Did You Know

Given today's technology, it is estimated that it is profitable to substitute 127 of Norway's 180 ferries with either battery-powered or hybrid alternatives.



Elfrida Fish Farm Boat

Plug-in Hybrid, 156 kWh
Operates a full day on battery power

1/2

NKT Victoria's overall fuel consumption is approximately half that of less sophisticated units



NKT Victoria

Hybrid Cable Layer, 156 kWh

Melshorn & Vardehorn

Plug-in Hybrid Ferries, 520kWh
Transports 120 cars and 299 passengers



Gloppefjord & Eidsfjord

Electric Ferries, 1040 kWh
Zero emission ferries



60%

Elektra electric ferry carries 40% more vehicles but with 60% less emissions



Elektra

Electric Ferry, 1040kWh



Selbjornsford

Plug-in Hybrid Ferries, 585kWh
12.1 km crossing time takes 35min.



Yxlan

Hybrid Passenger Ferry, 136.5kWh
Can operate in ice up to 25 cm thick



Kanalen

Hybrid Ferry, 156 kWh
Environmentally friendly and fast at 11 knots



Aurora & Tycho Brahe

Electric Ferries, 4160 kWh



ForSea - World's Largest Electric Ships

Aurora and Tycho Brahe are 2 of 4 ships on this route, with the other two still running on diesel, the new ferries have cut **TOTAL ROUTE emissions down by about 65%.**

Superyacht

Hybrid, 455 kWh



Superyacht

Hybrid, 526.5 kWh



www.pb.es.com