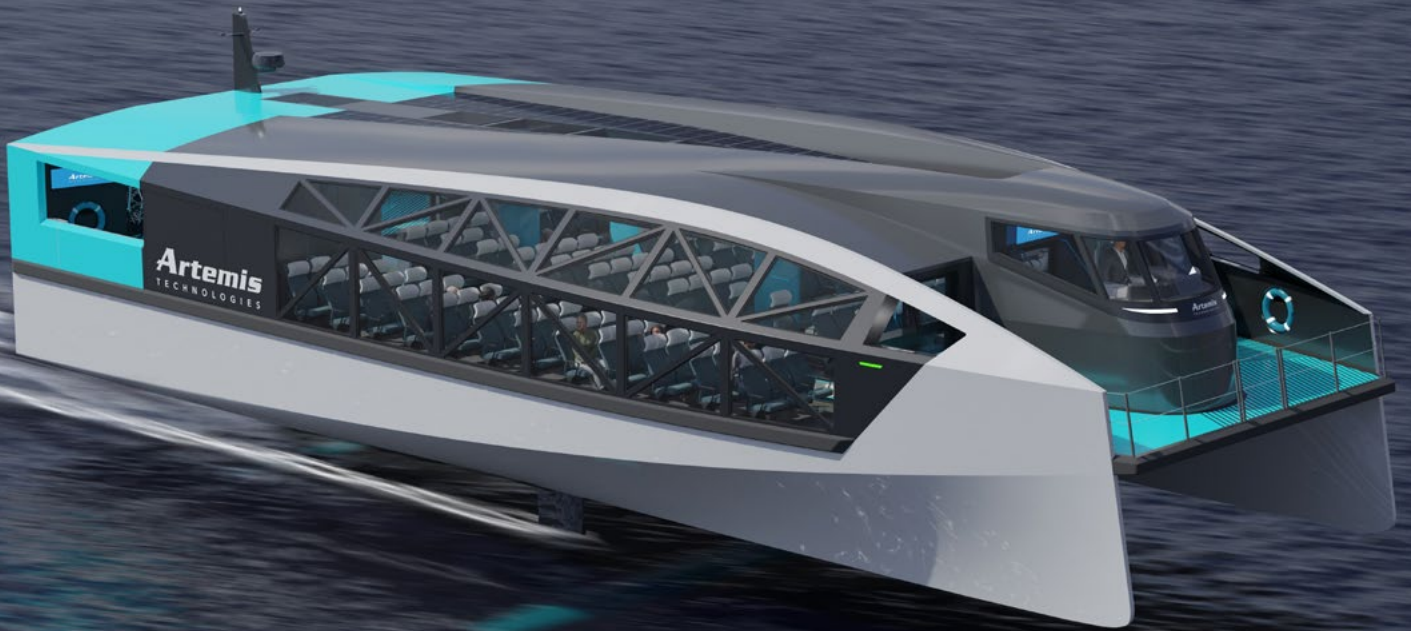


ARTEMIS

EF-24 PASSENGER

Artemis
TECHNOLOGIES



SPECIFICATION
EF-24 PASSENGER

Our high-speed passenger ferry provides a cost-effective public transport solution that helps address air pollution, congestion, and noise. A game changing solution that encourages multimodal transport in urban areas, enabling cities around the world to utilise and benefit from the untapped potential of their waterways.

Find out more at:
[artemistechnologies.co.uk](https://www.artemistechnologies.co.uk)

FUTURE OF MARITIME TRANSPORT



38kts

Top Speed

115nm

Range at 25kts

3

Crew

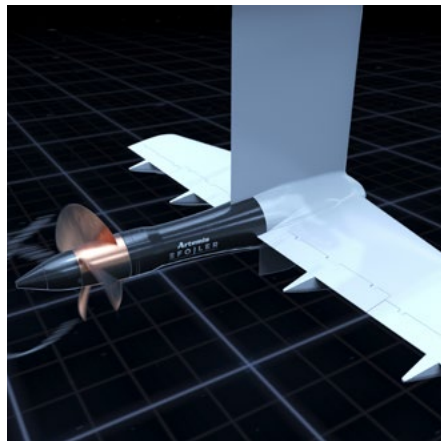
150

Passengers

100%

Electric

Introducing the future of high-speed maritime transport. The EF-24 Passenger is a cost-effective public transport solution that helps address air pollution, congestion, and noise. A game changing solution that encourages multimodal transport in urban areas, enabling cities around the world to utilise and benefit from the untapped potential of their waterways.



Leave No Trace

A cheaper solution to reducing congestion in busy cities worldwide, the minimal wake of the Artemis eFoil® means our vessels can avoid local speed restrictions, significantly reducing journey time. Allowing for high-speed operations close to shore without causing damage to shorelines or anchored vessels.

Better For Business

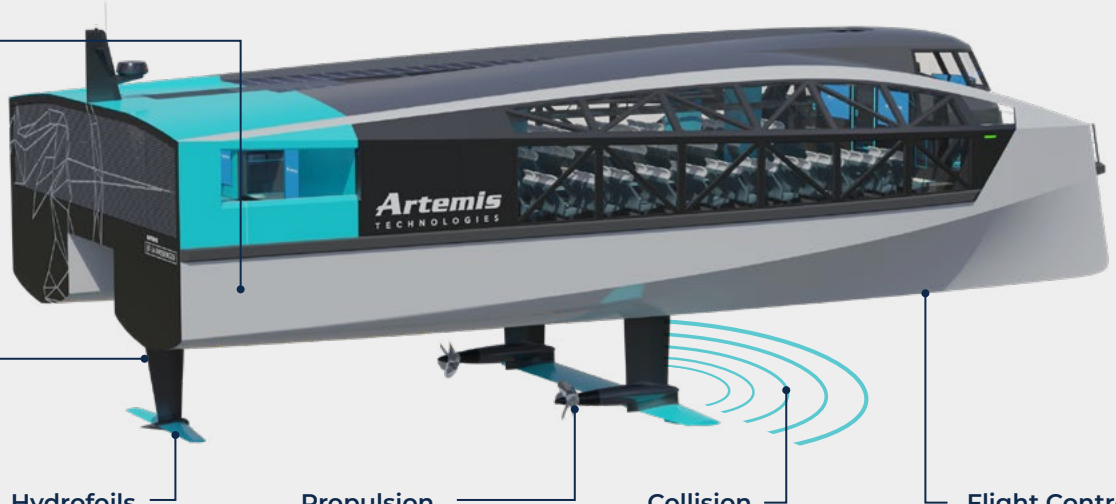
The EF-24 Passenger delivers significant OPEX savings with minimal servicing in comparison to traditional diesel engines.

Premium Experience

Flying over the waves removes the usual bumpy ride and associated sea sickness while electric propulsion provides a quiet experience free from noise and air pollution.

Energy

Provided by a novel Artemis Technologies modular marinised battery developed from proven automotive grade battery cell technology.



Steering System

Aft foil is the rudder and primary steering system. Independent propulsion units and thrusters compliment control for low speed manoeuvring.

Hydrofoils

Retractable high aspect ratio hydrofoils, with replaceable leading edges, that lift vessel out of the water reducing drag.

Propulsion

Zero emission propulsion provided by a self-cooled high power density electric drivetrain with minimal servicing requirements.

Collision Avoidance System

Identifies submerged and semi-submerged objects including wildlife.

Flight Control System

Ride height of the vessel is managed by an autonomous flight control system.



Comfortable Ride



Energy Savings



Quiet Performance



Zero Emissions



Minimal Wake

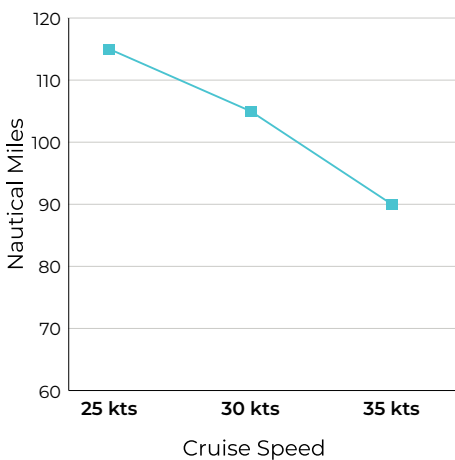


Significant OPEX Savings

100% Electric

Building on the launch of the company's 100% electric foiling workboat, the EF-24 Passenger is propelled by the patented Artemis eFoiler® electric propulsion system enabling it to fly above the water, reducing fuel costs by up to 85% compared with conventional high-speed diesel ferries.

EF-24 Passenger Foiling Range



Unrivalled Performance

With a take off speed of 18 knots and a top speed of 38 knots, the EF-24 Passenger ferry offers an unrivalled foiling range of 115 nautical miles at a 25 knots cruise speed.



Cutting edge foil design optimises efficiency and performance.



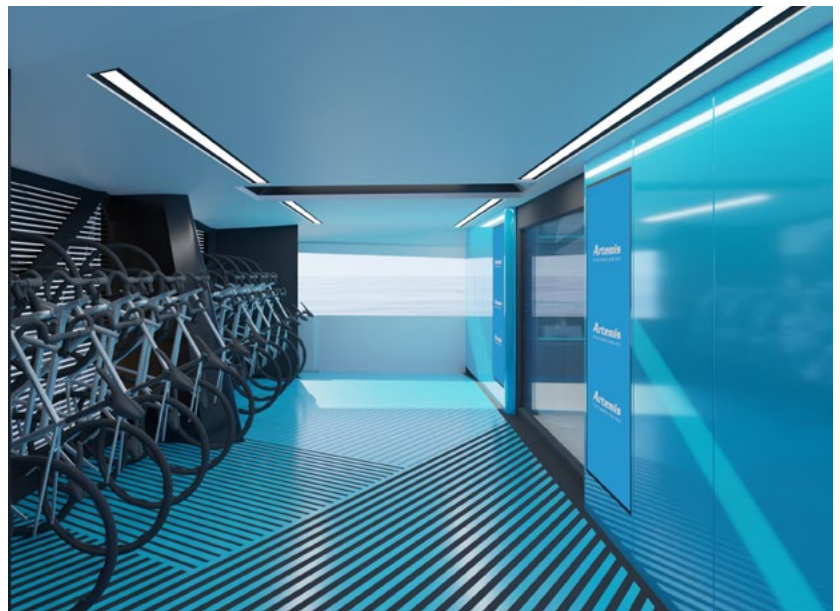
Artemis Technologies® propelled 100% electric workboat operating in Belfast Harbour..

PREMIUM PASSENGER COMFORT

Fully accessible with a range of facilities on board including bike racks, cabin bag and overhead storage, baby changing facilities, and seat charging points, offering a pathway to greener maritime transport around the world.

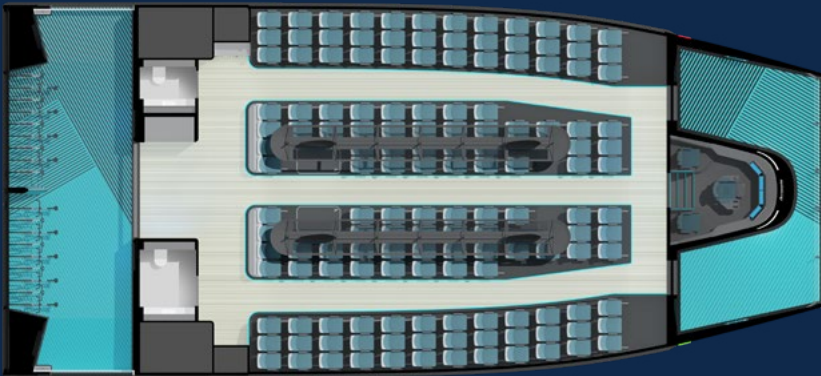


The EF-24 Passenger has a modern, bright and inviting interior for 150 passengers including two disabled seats and space for pushchairs.

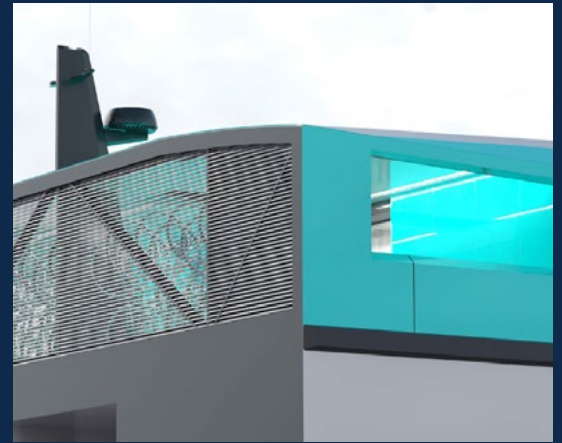
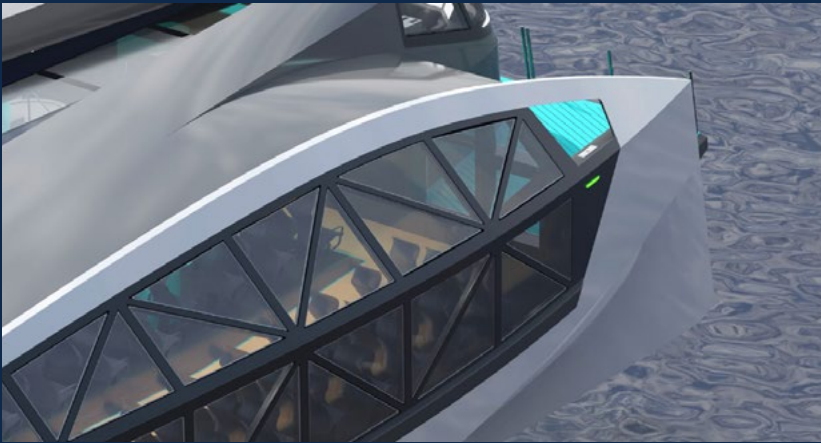


With ample space onboard, the vessel can carry up to 18 bikes depending on customer specification.

AN ELEVATED EXPERIENCE



With front and side loading capability, and flexible general arrangement options, this vessel can serve a wide range of customer requirements.



The innovative design was driven by the requirement to optimise aerodynamic performance and reduce drag as the vessel moves through the air.

BETTER FOR BUSINESS



Cheaper to Operate

Our high-speed passenger ferry provides a cost-effective public transport solution that competes with road and rail. Compared to a conventional high-speed diesel ferry, the EF-24 has a much lower OPEX due to the increased energy efficiency and reduced maintenance costs.

The below graphs compare the EF-24 Passenger ferry with a modern high-speed diesel ferry. When operating at a 35 knots average cruise speed for 200 nautical miles per day, 350 days per year, fuel savings will amount to £2.6 million, and also prevents the release of 8,000 tonnes CO_{2e} for the same 200 nautical mile a day duty cycle.

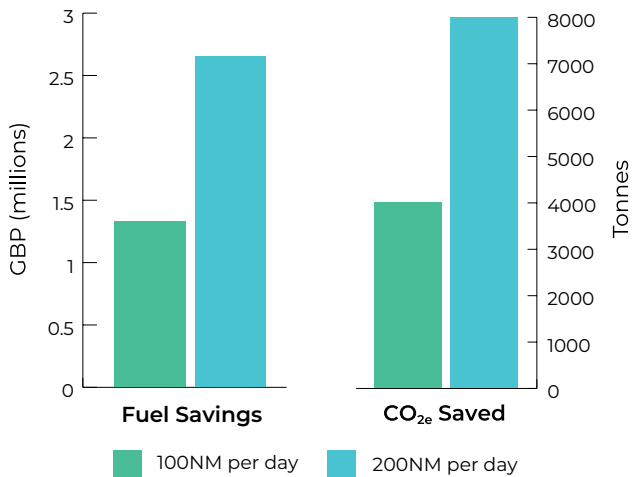
This is based on data from the Department for Business, Energy and Industrial Strategy, and conservative assumptions on the tariff of diesels (0.91£/L) and electricity (0.17£/kWh).

Condor Ferries

The first EF-24 Passenger ferry will be operated by Condor Ferries in 2024, servicing a route between Belfast and Bangor, in Northern Ireland.

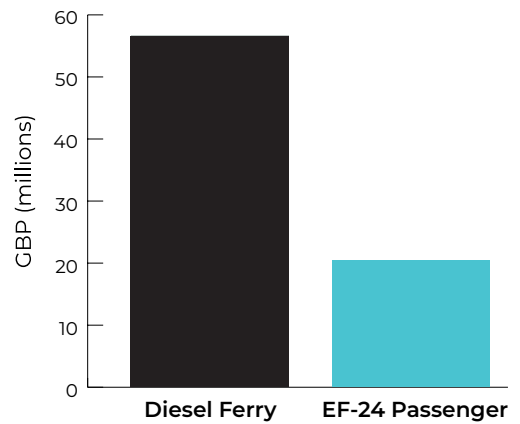
Condor Ferries are a leading operator of passenger and freight ferry services across mainland UK, France and the Channel Islands

Annual Fuel & CO_{2e} Savings vs Diesel Ferry



Based on 350 days per year

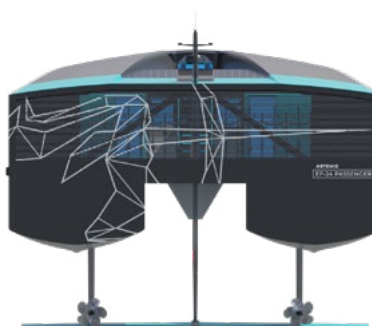
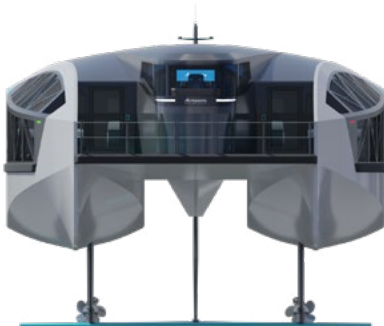
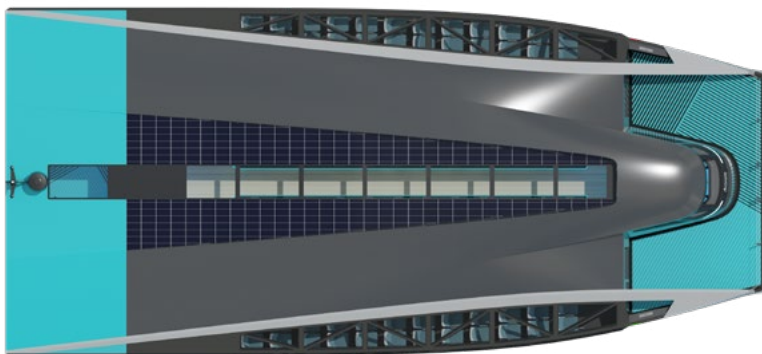
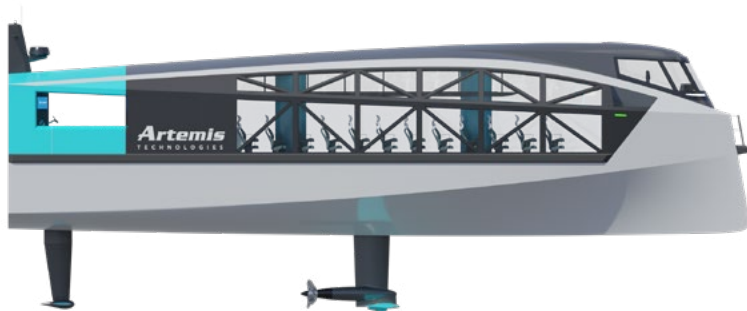
15 Year TCO Comparison



Based on 200NM per day, 350 days per year

PRINCIPLE DIMENSIONS	
Length Overall (m)	24
Beam Overall (m)	11
Draft (m)	3
Draft (m) Foils Retracted	1.8
Air Draft (m)	6.5
Displacement - Lightweight (t)	50
Displacement - Maximum (t)	70
Crew / Bridge Seated Capacity	3

PERFORMANCE	
Top Speed	38 Knots
Cruise Speed	32 Knots
Foiling Range	115 Nautical Miles
Passengers	150
Bike Storage	18



ARTEMIS

EF-24 PASSENGER



Artemis

TECHNOLOGIES

Artemis Technologies is an applied technologies spin off from the successful Artemis Racing America's Cup team, and we're on a mission to help deliver a sustainable maritime future.

Artemis Technologies

Head Office: 4th Floor Concourse 2, Queens Road, Belfast, BT3 9DT

Registered in England and Wales with company number 09412785 and registered address at Towngate House, Parkstone Road, Poole, England, BH15 2PW (VAT Number GB 211531168)

The information reproduced here is the subject of patent registrations or patent applications (as relevant) in multiple jurisdictions. Please see www.artemistechnologies.co.uk/patents for further information. Version: 24MPASS-25-9-2022

Confidentiality Notice

This document has been provided specifically to you as a potential customer for the vessel or vessel type detailed in this document. This document contains proprietary information concerning ATL and its products that are not generally known to the public (the "Confidential Information").

You must not (and must not facilitate any third party to) directly or indirectly, verbally or otherwise publish, disseminate, duplicate, capture (in any form), confirm or deny, speculate about, or otherwise release this document or any of the Confidential Information within it to any person, firm, or entity whatsoever (any such act being a "Disclosure"). This restriction shall include (but not be limited to) a prohibition on Disclosure to newspapers, periodicals, magazine or publications and any electronic media, or through or on any social media platform.

ATL reserves all of its rights if you fail to adhere to the conditions of this notice.