

Mandarin Oriental
Setouchi
X
CANDELA



Executive Summary

Candela, the world leader in electric hydrofoil boats, is pleased to present a tailored transport solution for Mandarin Oriental's upcoming hotel developments in the Setouchi Sea region — specifically in Honmura and Takamatsu.

We see a potential for **two Candela P-12 boats**.

The first vessel, a **Candela P-12 Business**, will focus on **guest and staff transfers** between Honmura and Takamatsu.

The second vessel, a **Candela P-12 Voyager**, will be dedicated to a **premium guest excursion** route, connecting Takamatsu → Ogijima → Honmura → Teshima → Shodoshima → Takamatsu.

Candela provides a turnkey solution, offering both financing and maintenance services to its client. We recommend a structure where the boats are leased by the operational company and offered to Mandarin Oriental at a fixed monthly costs.

Choosing Candela provides not only an unmatched guest experience — silent, smooth, and emission-free travel — but also **significantly lower operating expenses** compared to traditional diesel vessels.



Tailored Transport Solution for Mandarin Oriental Setouchi Candela P-12 “Business” Hydrofoil Boats

Two-Vessel-Strategy: combining guest and staff transfers between Takamatsu and Honmura with premium cultural excursions across Setouchi, providing year-round coverage.

Financial Efficiency: costs are covered by Mandarin Oriental and paid to operational company, ensuring a no-risk strategy.

Luxury and Sustainability: Silent, smooth, and emission-free travel aligned with Mandarin Oriental's eco-conscious luxury branding.

Flagship Example: Sets a new benchmark for sustainable hospitality transport in one of Japan's most scenic regions.



Your routes.



Route 1:
Takamatsu – Honmura | Guest + Staff transfer



Route 2:
Takamatsu - Ojima - Honmura - Teshima - Shadoshima – Takamatsu
Guest excursion

CANDELA CARE

PREVENTATIVE PARTS REPLACEMENT – Maximum boat utilization

Comprehensive Boat Care Services by CANDELA with fixed monthly price for repairs and maintenance of the vessel, preventative changes of critical parts for reliable operation

Complete Preventative Maintenance: From bow to stern, we ensure all critical components are replaced and operational.

Boat Refurbishment: Include components for efficient operation like rudder, POD, wing, strut, foil, mechanical moving parts and gangway exchange.

Frequent Foil Maintenance: Includes 8 diving sessions for thorough upkeep.

Annual Dry Dock Inspection*: Comprehensive check-up on land, including antifoul painting.

Candela 360 Connect: Access our app for seamless connectivity.

Candela Remote Support: Hotline assistance whenever you need it**

Rapid Diagnostics: Vessel diagnostics initiated within 2 hours**.

Over-the-air update (OTA): keep the vessel running smoothly, securely, and efficiently, enhancing the overall ownership experience

Moving hours per year: 2.000hours

Contract length: 10 years

Service Provider: CANDELA



*Cost for drydock/lifting not included

** During agreed operational time frame



Zero local
emissions

Significantly
reduced
operational cost

Unmatched
passenger
experience

Low
infrastructure
investments

CANDELA

Revolutionary leaps, point by point.

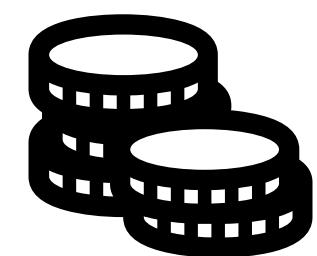
ENVIRONMENT



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Zero emissions.
Zero air, noise
water pollution.

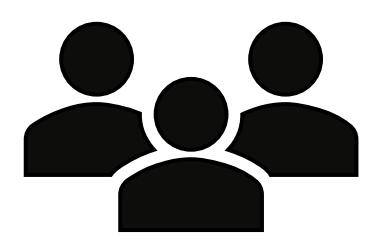
ECONOMY



90 %

Lower Energy costs

EXPERIENCE



Silent

Silent flight
over choppy waters.

95 %

95% reduced wake -
no shoreline erosion.

90 %

Lower propulsion service
cost

95 %

Up to 95%
reduced energy
consumption.

Low

Big overall savings in
infrastructure investment costs.

Fast

25 knot cruising

Smooth

No slamming

Candela P-12.

Unlocking the full potential of our waterways.

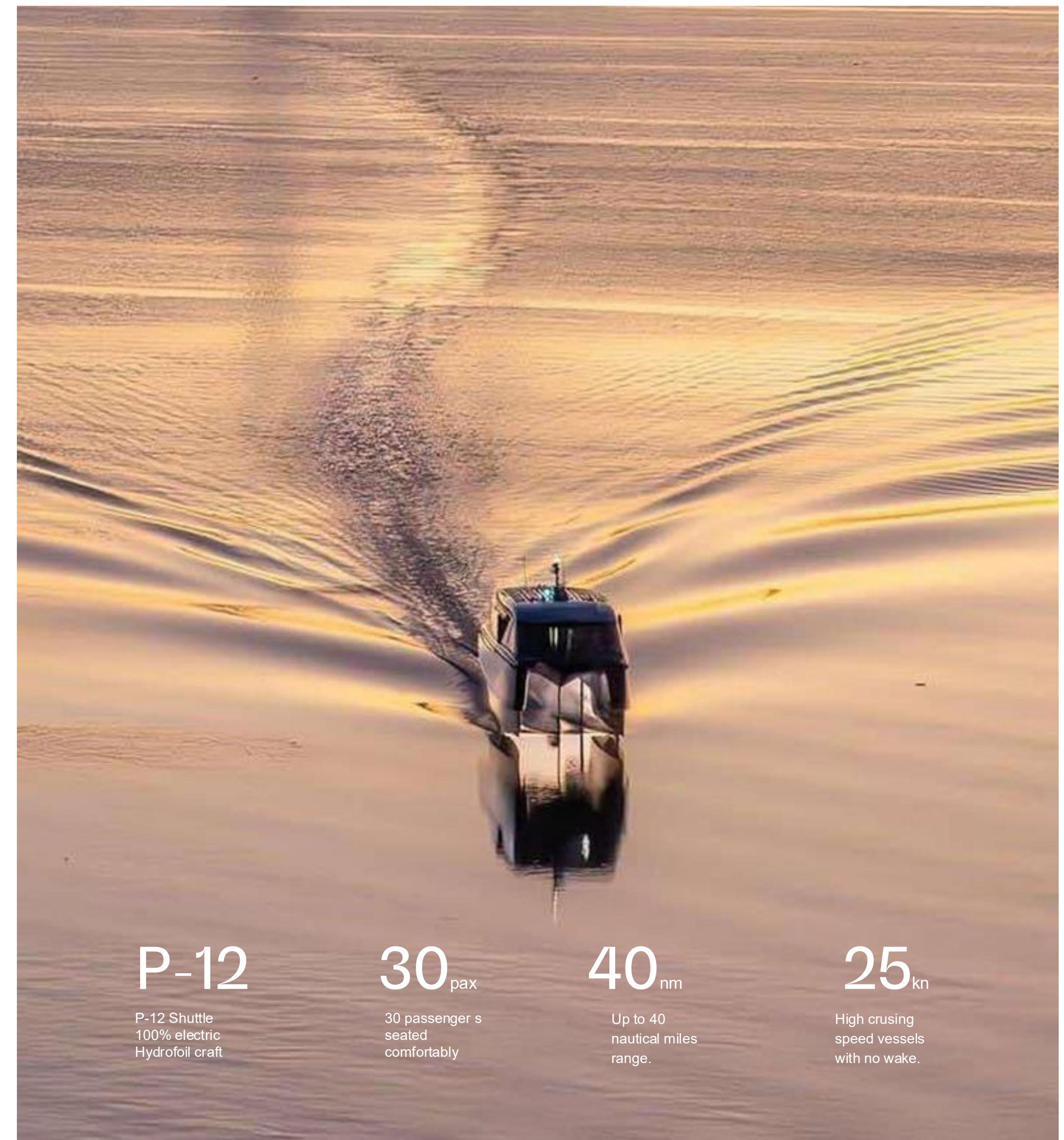
Candela P-12 Shuttle is a giant leap for waterborne transportation. With a destination-to-destination speed of 25 knots, silent flight, no wake, and a cost per passenger mile that is significantly less than traditional diesel ferries, the electric hydrofoiling Candela P-12 unlocks the true potential of our waterways.

Win-win-win

A better experience at a lower cost with no impact on the environment.

With technology reducing energy consumption by up to 90% compared to conventional boats, the environmental and economic benefits are massive. The 12-30-passenger vessel reaches distances of 40 nautical miles at a minimal cost while producing 0 emissions.

The Candela P-12 isn't just a vessel. It's a leap into the future of water mobility—faster, cleaner, and more efficient than ever before.



P-12

P-12 Shuttle
100% electric
Hydrofoil craft

30_{pax}

30 passenger s
seated
comfortably

40_{nm}

Up to 40
nautical miles
range.

25_{kn}

High crusing
speed vessels
with no wake.

Candela P-12 specs.

Specifications.

Length (m)	11.975
Beam (m)	4.5
Airdraft- Displacement (m)	4.5
Airdraft- when foiling	5.8
Draft- Shallow mode (m)	1.2
Draft- when foiling (m)	1.5
Draft- wings down not foiling (m)	2.7
Max number of passengers	12-30
Max speed (knots)	27
Service speed (knots)	25
Take-off speed (knots)	20
Battery capacity (kWh)	336
DC charging (kW)	2x150kW
Range at service speed (Nm)	40 nm
Max payload (kg)	3,000
Certification	Type Approval DNV Craft
Significant wave height (foiling)	Hs 1 M
Significant wave height (displacement)	Hs 2 M
Wind	Beaufort 6



12-30_{pax}

P-12 Shuttle
100% electric
Hydrofoil craft

40_{nm}

Up to 40
nautical miles
range.

25_{kn}

High service
speed vessels
with no wake.

Candela – the world leader in electric hydrofoil vessels

Our purpose:

Speed up the transition to fossil fuel free lakes and oceans

Pioneering sustainable innovation in marine transportation

Since 2014, Candela has combined cutting-edge engineering with a deep commitment to environmental sustainability. Today, Candela is the global leader in sustainable marine innovation, revolutionizing waterborne transportation with its groundbreaking electric hydrofoil technology.

Candela has set a new standard for efficiency, performance, and design in the maritime industry. Our vessels, including the world's first electric hydrofoil ferries and water taxis, operate silently, emit zero emissions, and consume up to 90% less energy than traditional boats.

With a presence in key markets worldwide, Candela is driving the future of green transportation.

Delivered vessels

100+

Employees

220+

Offices

4

Years in operation

11

2024 First electric hydrofoil vessel in commercial operations. Start of serial production.



2023 3rd generation: Candela P-12
First vessel in the water



2022 2nd generation: Candela C8
Serial produced, 70 delivered



2019 1st generation: Candela C7
Serial produced, 32 delivered



2014 Founding of the company

Candela is operational in public transport! P-12 fully integrated in Stockholm's ferry system since 2024

Route: Ekerö to Stockholm City Hall (8.7NM / 16km)

From low productivity and low efficiency to high efficiency and low costs. 400-600 passengers per day in summer months and less than 200 in winter months, only 2% of departures with more than 100 passengers and 66% of departures with 30 passengers or less

Going from:

2 vessels with 200 and 190 pax
2 staff required per vessel
55 min travel time
9 trips per day

To:

3 Candela P-12 with 30 pax
1 staff required per vessel
25 min travel time
23 trips per day



RESULTS

Passenger capacity increase 15%

Reduced operating costs 40%

Reduced energy cost 55%

Reduced energy consumption 60%

Reduced travel time 50%

Emissions None



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candela.com/pro-series

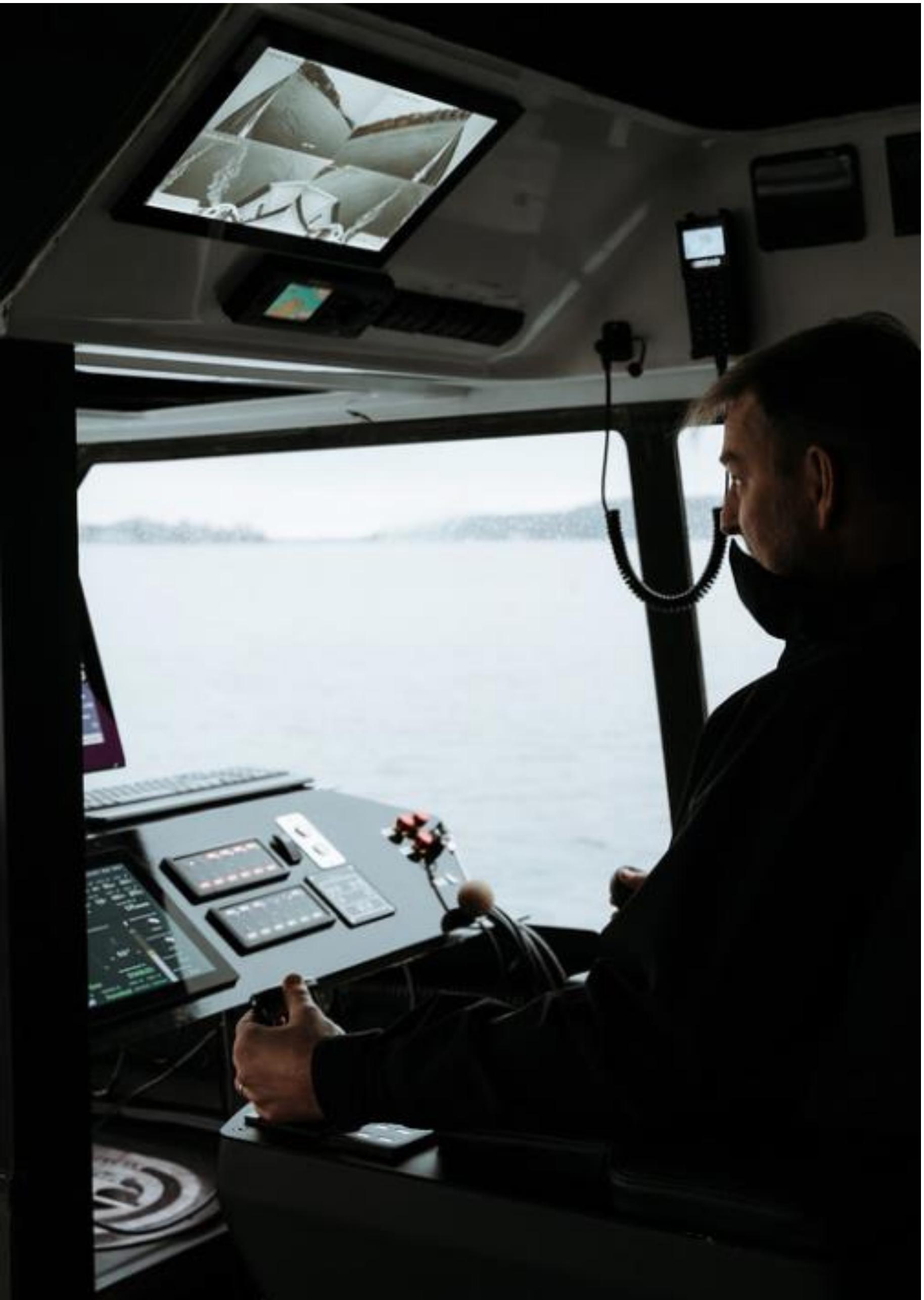
Operations.

Fast and accurate maneuverability.

The utmost care has been taken to ensure **swift and accurate maneuvering**.

The take-off and landing sequences are fully automatic. The vessels have autonomous features, such as autopilot and docking assistance.

The joystick control and vector-steered Candela C-POD motors (allowing 180-degree angles) offer fast, simple and responsive steering in all conditions. Noisy and energy-consuming bow thrusters are now obsolete.



The helm station offers easy access to all controls and large windows enabling 360° views together with sharp rear cameras.

Docking.

Service speed to service speed in three minutes.

The adaptability of the ramp in both height and length combined with the retractable foil system makes it possible to **access most docks without major infrastructure investments**.

Possibility for swift turn-around to keep docking time to a minimum. The full sequence from service speed to docking to on/offloading and back to service speed can be carried out in just over 3 minutes.

The 1.9-meter-wide ramp makes it possible to have simultaneous boarding and offloading and easy loading of luggage and other cargo. It is fully wheelchair and handicap compliant.



Charging.

Fast and flexible with low infrastructure investments.

The massive energy efficiency achieved by electric propulsion combined with active hydrofoils allows for smaller, lighter batteries to be used without compromising on performance.

P-12 Shuttle will be fully compliant with fast DC charging with the possibility to adjust based on the shoreside availability.

The marine-approved battery size is 368kWh and can be charged from 10-85% in around 1hr. The vessel will be charged with a dual CCS combo-2 inlet system.

DC charging: 2 x 150 kW

Charging times 20-80%: 50 min



Compliance.

Certified against the highest standards.

The Candela P-12 Shuttle will have a Type approval-DNV Craft with passenger and battery notation. Rigorous attention has been taken to ensure compliance with regulatory frameworks and to **guarantee passenger safety**.

Operation:

Max. significant wave height.

When foiling: $H_s = 1m$
Non-foiling: $H_s = 2m$

Max wind: Beaufort 6

CANDELA × 



Service.

A fraction needed compared to conventional vessels.

The P-12 Shuttle is built and designed to need as little service and maintenance as possible. This to ensure **maximum uptime at the lowest cost**.

Customer support

- Digital native with remote diagnostics and troubleshooting.
- Over 300 data points can be analyzed and turned into corrective actions.

Scheduled service

- Joint development of individual plans based on operational needs and locations.
- Scheduled propulsion maintenance approx. every 3000hrs.

Local Service and Maintenance

- Training of local technical staff will be provided.

Spare parts

- Off-the-shelf spare part availability.
- Possibility to order and keep stock locally.



Experience.

Embark on a safe, smooth and silent journey.

The passenger experience has been paramount in the development of the Candela P12 Shuttle.

Flying with Candela P-12 will feel like travelling on a modern express train, even on open water and in adverse weather conditions. Advanced, computer-stabilized hydrofoils ensure a **silent, smooth and safe journey**.

The interior layout offers maximum comfort while being practical and easy to maintain. The interior is fully customizable to accommodate 12-30 passengers.

Several options, including a restroom, are available to tailor the vessel to your specific passenger needs.



Configurations to exceed expectations.

P-12 Voyager (12 pax)



Premium private passenger vessel for island resorts/hotels or VIP transfers, board meetings etc. Optional exclusive features are available to fit your needs.

P-12 Business (16-20pax)



Exclusive business cruiser for airport transfers, off-site meetings, conferences etc. Optional exclusive features are available to fit your needs.

P-12 Shuttle (30 pax)



Versatile passenger shuttle for urban communities, new developments, holiday resorts or archipelago commuters. Toilet option available.



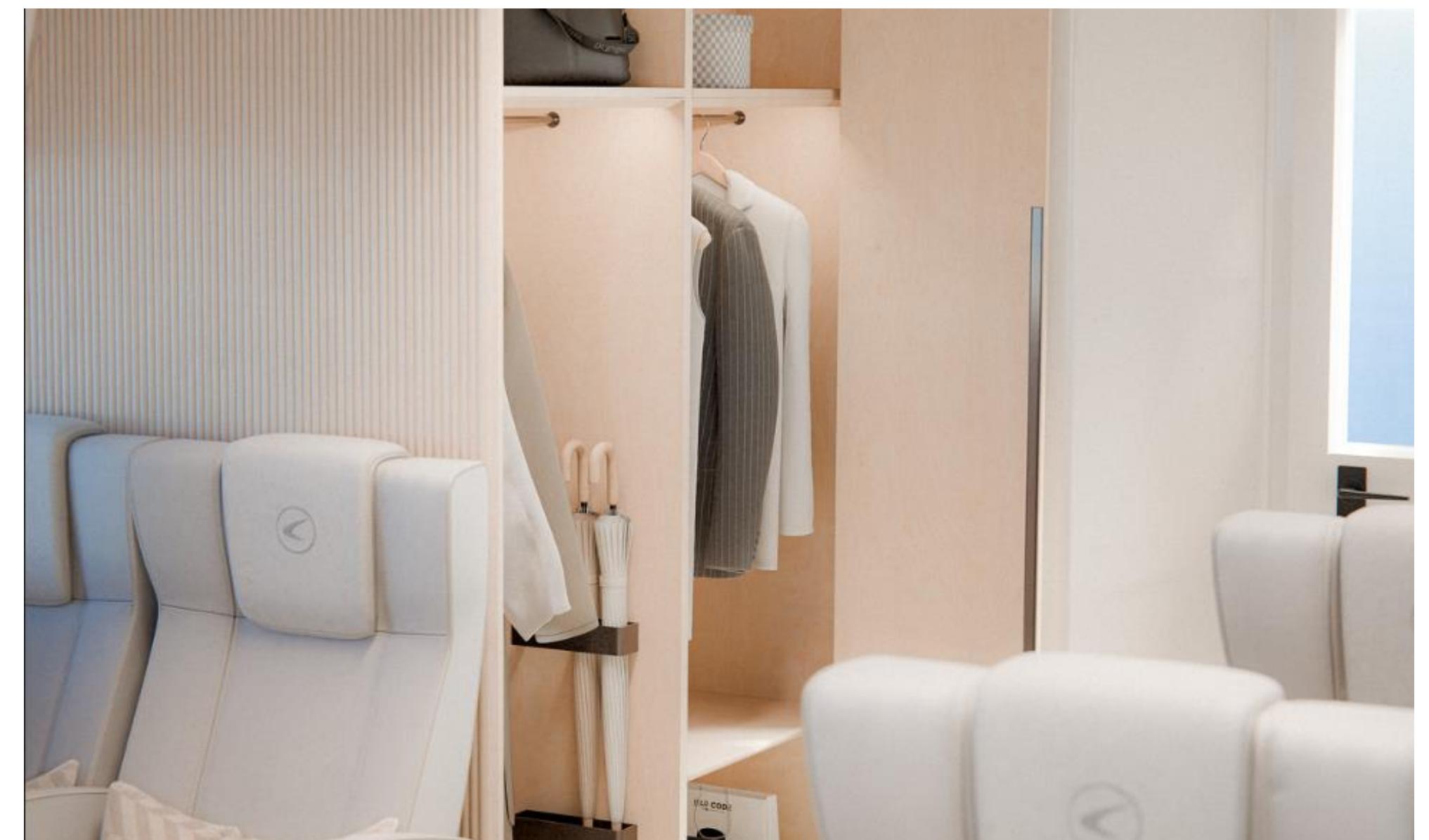
P-12 Voyager: Ultimate luxury
12 pax

Images are illustrative

P-12 Business: Unmatched comfort
16-20 pax



Images are illustrative





Media coverage.

“A boat that completely
redefines what is
possible.”

– Motorboat & Yachting

Forbes

The Guardian

The Economist

BBC



BOAT International

NEW ATLAS

GOOD MORNING AMERICA



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