

# Faster, quieter, cleaner, better.

The future of marine mass transit — premium zero-emission hydrofoil ferries for operators, municipalities and island destinations across the Gulf.

| 60+ | 80% | 60% | 0 |
|---|---|---|---|
| KM/H SERVICE SPEED | LESS ENERGY USED | LOWER OPERATING COSTS | EMISSIONS, WAKE & NOISE |

## WHO WE ARE

**MobyFly is a technology company. We design and deliver premium, zero-emission hydrofoil boats for the fast ferry market.**

We offer a cost-effective, scalable, and sustainable mass transport platform that benefits operators, municipalities, and passengers alike. We build our boats where we sell them, working with local manufacturing and infrastructure partners to deliver each vessel to our design and specification — experts unified by MobyFly's technology, IP, and quality standards.

## OUR SOLUTION

By leveraging our advanced hydrofoil technology, MobyFly designs and delivers zero-emission boats that transport passengers comfortably and quietly at speeds over **60 km/h (32 kn)** without making waves, noise or polluting.

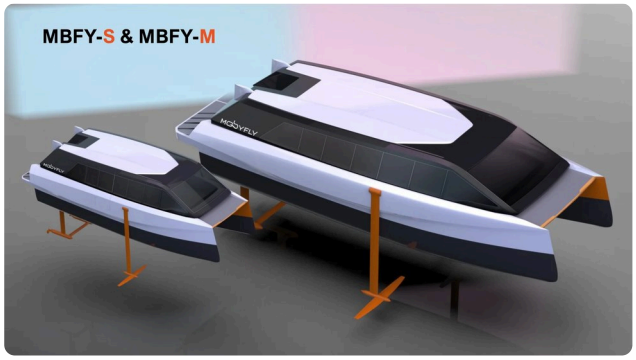
Our boats are highly cost-effective, using up to **80% less energy** and saving up to **60% on operational costs** compared to any diesel ferries operating today.

The result: zero-emission boats, proven charging infrastructure, and competitive financial solutions, delivered at scale.

## THE PLATFORM — MBFY-S & MBFY-M

| SPECIFICATION | MBFY-S | MBFY-M |
|---|---|---|
| Passengers | 12 – 20 | 60 – 120 |
| Range | 140 km | 160 km |
| Cruise speed | 48 km/h | 52 km/h |
| Top speed | 56 km/h | 60 km/h |
| Energy | Batteries | Batteries |
| Charging | Up to 320 kW DC | Up to 480 kW DC |
| Length | 12 m | 24 m |
| Beam | 4.6 m | 9.2 m |

Our platform is designed to scale and can be adapted to a variety of marine markets. Passenger and cargo capacity, access solutions and amenities are tailored to operational requirements — 12 pax + bicycles or 20 pax on the MBFY-S, 70 pax + bicycles or 120 pax on the MBFY-M.




MBFY-S (12 m) and MBFY-M (24 m) — one scalable platform, two vessels.

## WHY THE GCC

### Shallow-water access

With the foils retracted, MobyFly boats navigate in waters as shallow as **60 cm** — docking and maneuvering in existing marinas, creeks and lagoons is effortless.

### Zero wake, zero emissions

No emissions, no wake, no noise. A transport solution that sits comfortably alongside waterfront development, tourism and marine conservation programmes.

### Built in the region

MobyFly builds where it sells: local manufacturing and infrastructure partners deliver each vessel to MobyFly's design, specification and quality standards.

## AN INTEGRATED SOLUTION

### Vessel financing

- Scalable platform: MBFY-S, MBFY-S+, MBFY-M
- Variable configurations (range, speed, passenger, cargo)
- Services & maintenance

### Infrastructure

- Innovative charging solutions
- On-grid / off-grid energy infrastructure
- Custom docking & accessory options

### Financing & incentives

- CAPEX & OPEX structuring
- Carbon credits
- Dedicated grants



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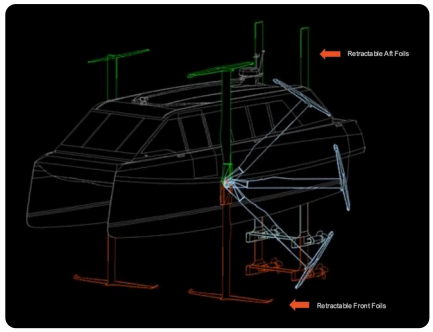
## OUR TECHNOLOGY

### Retractable foil system for shallow-water navigation

Our retractable foil systems are protected by **two international patents pending**. This unique design enhances performance and offers unparalleled versatility and ease of use, enabling foiling trips in waves of up to **2.5 metres**.

With the foils retracted, MobyFly boats can navigate in waters as shallow as **60 cm**, making docking and maneuvering effortless. Given the reduced saltwater exposure, maintenance requirements are minimal and can even be performed without haulout.

Mechanical system by MOBYFLY (patent pending).




Retractable front and aft foils — two international patents pending.

### Zero-emission powertrain

MobyFly's vessels are powered by electric batteries with proven reliability and range. Our proprietary electric pod motor guarantees reliable and efficient operations.

*38 minutes to charge from 20% to 80% — measured on the MBFY-10 prototype.

- Proprietary software enabling multiple real-time adjustments to the control surfaces, so the vessel "flies" above the water
- Operational data management, day-to-day fleet management and predictive maintenance
- Regular over-the-air performance upgrades and remote tuning

## PERFORMANCE OF OUR PROTOTYPE — MBFY-10

The MBFY-10 was built as a performance demonstrator and has been in service since **December 2022**. It has sailed on Swiss lakes, the Douro River, and in Portuguese coastal areas. It is currently operating on Lake Geneva.

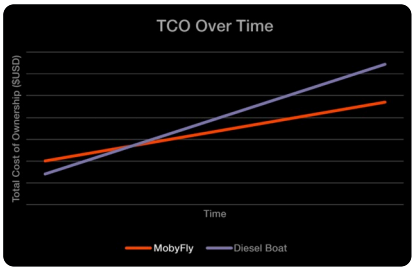
| 644 | 2930 | 2086 | 41 |
|---|---|---|---|
| FLIGHTS | KM TRAVELLED | KM ON FOILS | KM/H AVG. WHILE FOILING |

## ECONOMICS

### Reduced total cost of ownership

- Higher CAPEX is swiftly offset by significantly lower OPEX
- MobyFly's electric powertrain sharply reduces the maintenance burden compared to marine diesel engines
- Compared with diesel, energy costs are minimized by using electricity, combined with the high efficiency of MobyFly's hydrofoil design

Our foils work just like an airplane wing: with enough speed, they create lift, raising the hull above the water and allowing the boat to travel efficiently at high speed without making waves.




TCO over time — MobyFly versus diesel.

## ENVIRONMENTAL ADVANTAGE — NO EMISSIONS, NO WAKE, NO NOISE

**Zero-emission**

Low energy consumption, combined with 100% electric propulsion fuelled with renewable electricity, delivers a smooth and comfortable zero-emission ride.

**Negligible wake**[1][2]

By cutting wave energy by up to **70%**, foiling vessels limit shoreline erosion and sediment disturbance, preserving fragile littoral zones — and may qualify for exemption from speed limits.

**Underwater noise**[3][4]

Foiling cuts noise in biologically sensitive frequency bands, lowering stress on marine wildlife — and passengers and coastal communities enjoy quieter operation above the water.

[1] Hofmann et al. (2011), Water Resources Research (University of Konstanz). [2] Lake Tahoe Shoreline Plan (TRPA, 2016). [3] Li, J. et al. (2019), Journal of the Acoustical Society of America. [4] Wysocki et al. (2006), Biological Conservation (University of Vienna).

## THE MOBYFLY ADVANTAGES

- **Performance** — outstanding performance in both speed and range
- **Seaworthiness** — engineered to foil in waves of up to 2.5 m; navigates safely in displacement mode in rougher conditions
- **Ecosystem solutions** — access to competitive financing and carbon credit opportunities
- **Configuration options** — customizable layouts, equipment and accessibility options
- **Design** — impressive in both engineering and aesthetics; a futuristic, premium differentiator for modern urban routes and sustainable destinations



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MobyFly — the manufacturer: info@mobyfly.com · mobyfly.com. Specifications, performance data and environmental references are those published by MobyFly; availability and commercial terms are confirmed per project.