

80% More Energy Efficiency

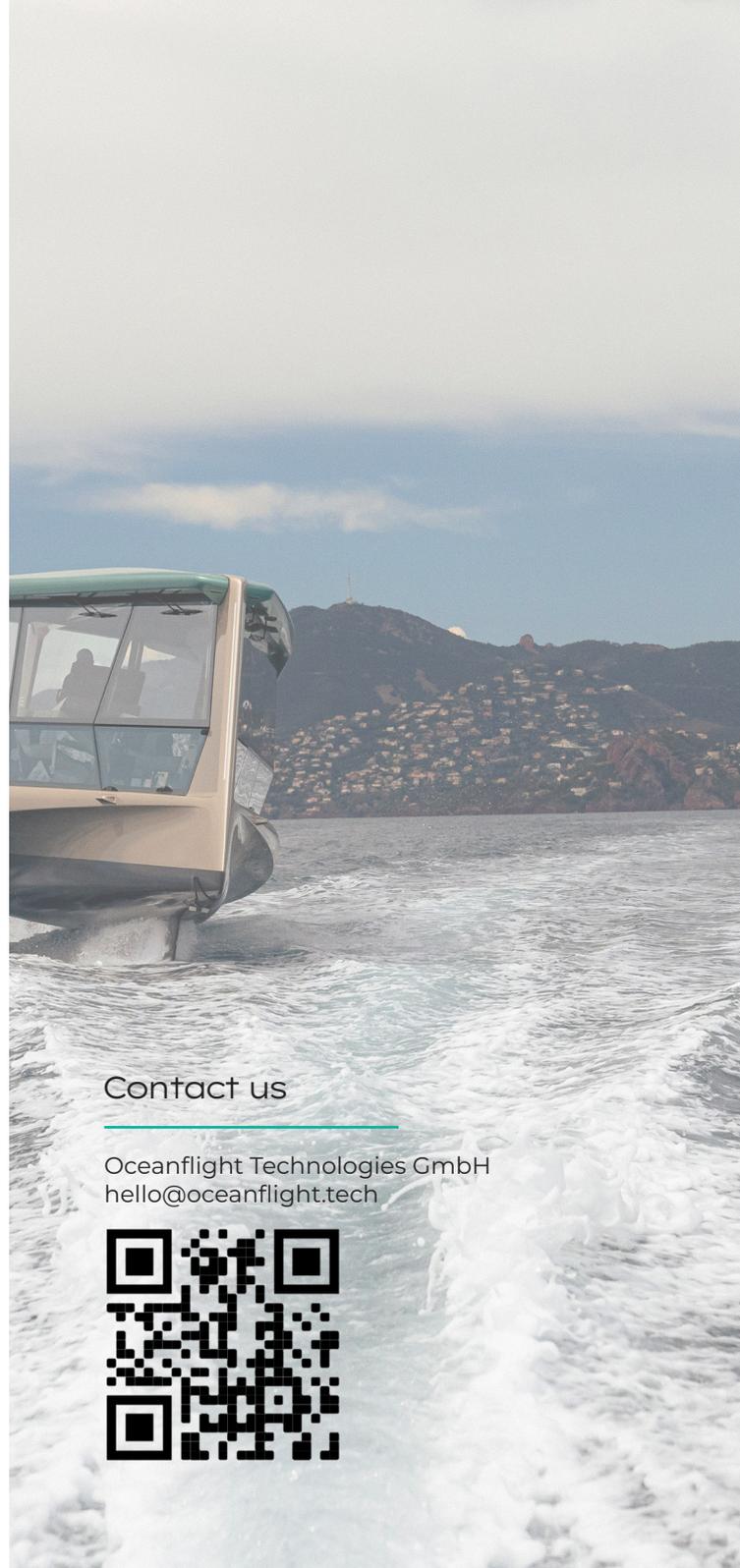
With the increase of speed the hydrofoils lift the boat above the water surface. The take-off reduces the drag so that the power consumption of the boat is decreasing up to 80% compared to traditional boats.

This technology unlocks the opportunity of boating without wasting the most precious resource of the next decades by pushing water aside.

OCEANFLIGHT
UNLOCKS
SUSTAINABLE
BOATING

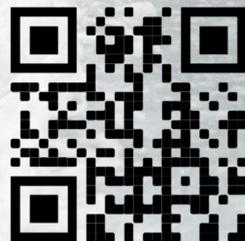
Next Level Comfort

Modern hydrofoils need active stabilization and control. Oceanflight's sensing, computing and actuation system adjusts the hydrofoil control surfaces hundreds of times per second for a comfortable and safe ride. Never get seasick again!



Contact us

Oceanflight Technologies GmbH
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OCEANFLIGHT

FLYING ABOVE WATER

01

SENSING

- RTK GPS and Inertial Measurement Unit with ultra-fast tightly coupled sensor-fusion algorithms for precise attitude, heading and position measurements
- Multiple sensors enabling flying height and wave height detection
- Short- and mid-range obstacle avoidance sensors, over and under water

02



COMPUTING & COMMUNICATION

- Redundant and proven flight control stack, based on 15 years of drone experience
- Fully redundant high speed FDCAN-network between all Oceanflight components
- Save and flexible interface of diverse maritime standard components: Control motors, thrusters, helm stations, anchors, etc with ease
- Embedded high level Linux-based compute for non-critical tasks, exhaustive logging, data analysis and remote support via a state-of-the-art encrypted cloud link

03



ACTUATORS

Oceanflight's actuators are purposely designed for foiling boats and deliver a smooth ride in combination with the flight control system.

- Actuator and flap dynamics define control authority and bandwidth
- Multiple sizes available
- Designed for reliability, easy integration and maintenance

OUR PRODUCTS



Oceanflight Basic

The fastest & easiest way to foiling



Oceanflight Cortex

Efficiency, Autonomy & Smart Boating

GET READY FOR THE
FUTURE OF BOATS TODAY

