

MKEL

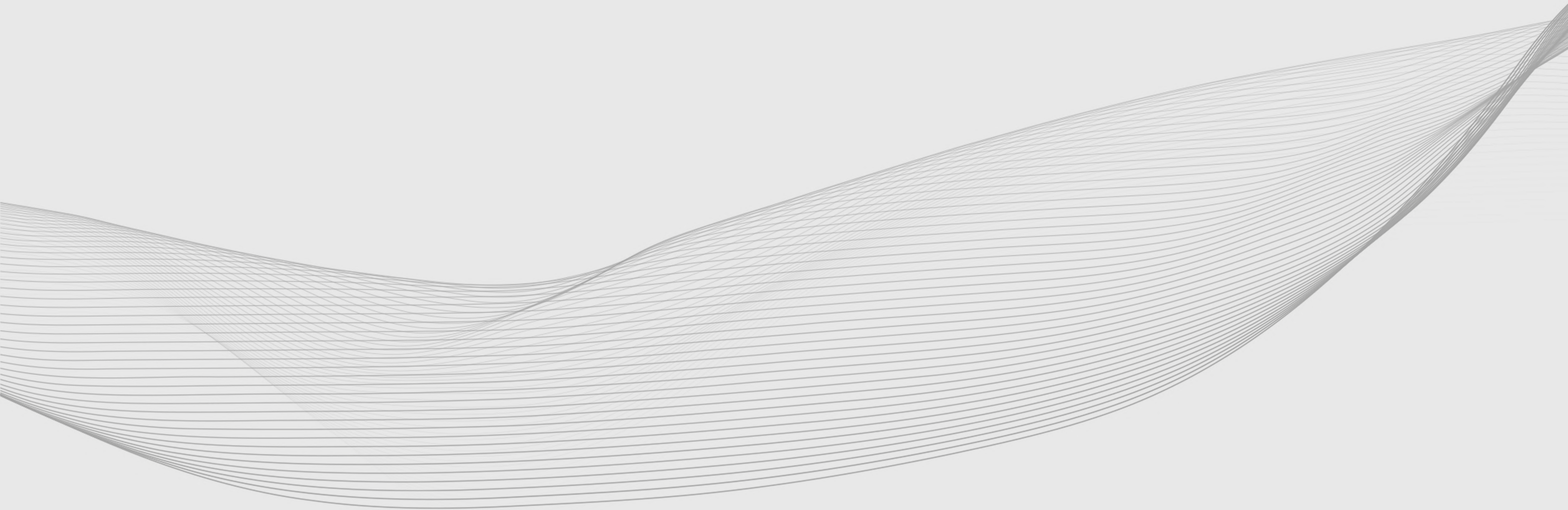
SAIL BEYOND BOUNDARIES



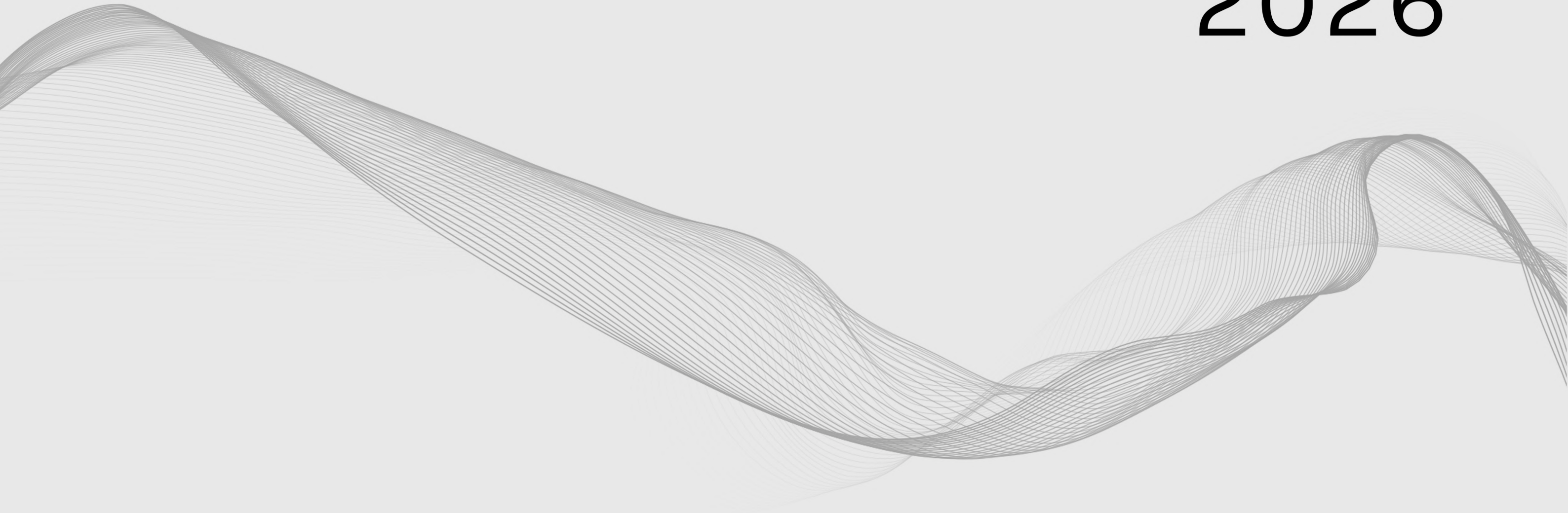
WORK BOAT SERIES 2026

MKEL

WORK BOAT SERIES



COMPANY PROFILE
2026



Jose Maliakel

Founder & CEO

For the past year, we've been quietly but deliberately building MKEL one prototype, one process, one idea at a time.

While the world hasn't seen much of us yet, behind the scenes we've been obsessing over every detail sketching, testing, and refining our designs, experimenting with materials, and pushing our manufacturing processes to find that perfect balance of strength, quality, and finish.

MKEL was never meant to be ordinary.

We're not trying to make more of what already exists we're exploring how craftsmanship, design, and purpose can come together in products that feel alive.

This phase of our journey is about discovery embracing trial and error, learning from what doesn't work, and getting better every day. It's what startups are supposed to be: bold, hands-on, a little restless, and deeply passionate about the things we build.

Jose maliakel



About Us

At MKEL, we're building more than boats we're shaping a lifestyle.

Our journey began quietly, with a small team and a big ambition: to redefine what modern marine craftsmanship can be. Over the past year, we've been deep in the workshop designing, testing, and reworking every idea until it feels just right. Every hull, every contour, every material choice has been questioned, refined, and perfected. Our approach is simple: experiment relentlessly and never compromise on quality.

We believe in building products that invite adventure and inspire confidence whether it's a morning paddle across still waters, the hum of a hydrofoil lifting free of the surface, or the steady rhythm of a catamaran cutting through open sea. Each vessel we create is a statement of design precision, performance, and understated luxury.

MKEL is setting itself up to be a serious global player in the luxury lifestyle segment a brand where engineering meets emotion. From high-performance FRP workboats to composite kayaks, from electric hydrofoil boards to bespoke yachts and catamarans, we are steadily expanding the boundaries of what can be built with purpose and beauty.

But beneath all the technology, this is still a story about people designers who sketch beyond convention, composite engineers, FRP laminators, technicians who chase perfection in every aspect, and adventurers who find freedom in the spaces we create. Our mission is to give shape to that freedom through products that last, perform, and carry a spirit of exploration wherever they go.

Join us as we prepare to launch one design, one experiment, one breakthrough at a time

WORK BOAT SERIES 2026

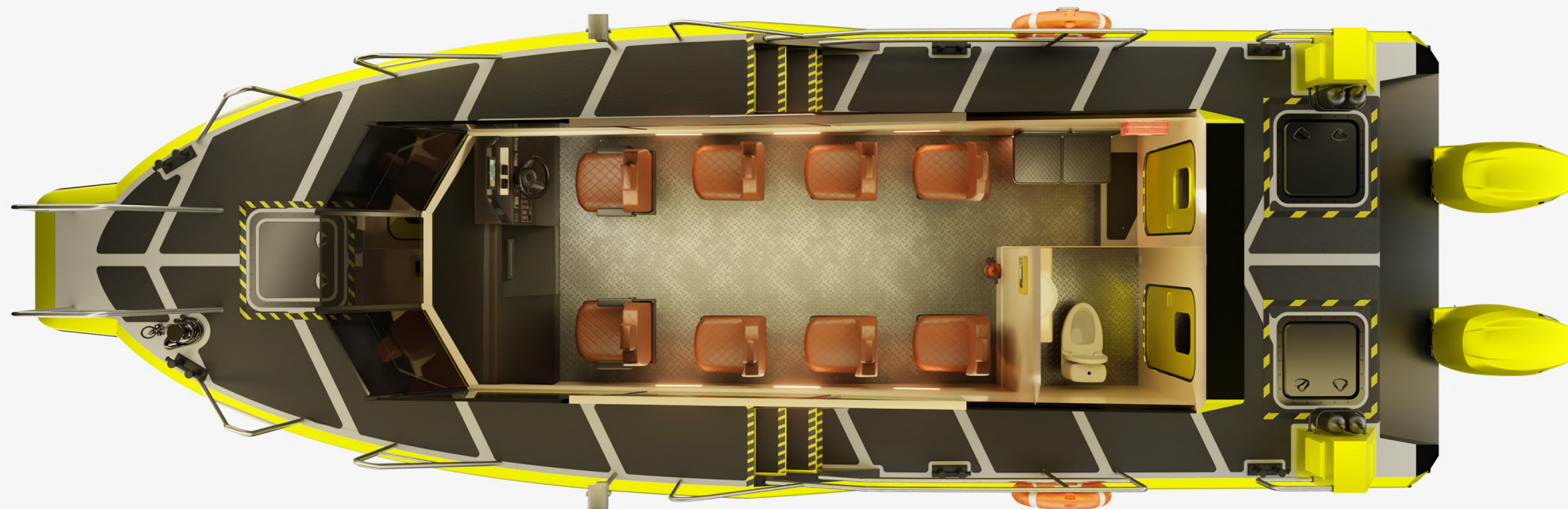
SAIL BEYOND BOUNDARIES



Our 11.6 m workboat is a durable, high-performance vessel designed for safe and efficient crew transfer across all sea conditions, including high sea waves. Built from hybrid FRP construction, offering exceptional strength and corrosion resistance, it delivers excellent stability, control, and comfort through its advanced hull design. The spacious cabin accommodates both the crew and pilot, offering ample seating, optimized interior layout, and easy movement for long or demanding operations. Fully equipped with essential safety systems, navigation and communication equipment, anti-slip decks, and emergency gear, this versatile workboat is ideally suited for offshore, coastal, and utility applications where reliability and all-weather capability are paramount.



Configuration 1



Refined Performance
& Stability



Built for Endurance

Configuration 2



Sustained Crew
Comfort



Offshore Ready



Common

Specifications

11.60m
Hull Length

3.80m
Hull Breadth

0.65m
Draught

Length Overall	12.00 m
Engine	Suzuki Twin Outboard Engines
Engine power	300 × 2 HP @ 4000 – 4200 rpm
Full height	4.30 m
Air draft	3.60 m (Waterline to Top of Superstructure)
Class	LR – Special Service Craft (SSC) Rules.
Service speed	28 knots
Max Speed	35 knots
Operational Range	200 – 300 Nautical Miles
Operational Area	Coastal
Fuel tank capacity	1500 L

Common platform

Features



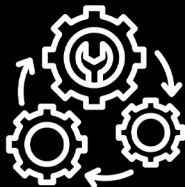
Hull & Crew Transfer Interface

- Push bow arrangement for controlled forward crew transfer
- HDPE fendering around the hull perimeter for durability in offshore and marine operations



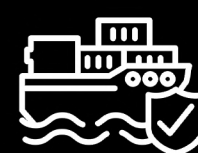
Crew Comfort & Safety

- Hydraulic shock-mitigating seats for safety and comfort
- Toilet facility
- Provision for lifejackets, lifebuoys, and liferafts as required
- Climate control system available as an option



Propulsion & Maintainability

- Outboard engine configuration across all variants
- Enables rapid repair, engine replacement, or full engine swap



Safety & Deck Features

- Continuous handrails and guarded steps
- Non-slip flooring throughout the vessel
- Vertical ladder for access to the top of the superstructure
- Two storage hatches at the aft of the superstructure



Visibility & Control

- Panoramic windows providing near 360° visibility from the pilot control position

Specification

Configuration 1





Superstructure

- Non-full-width superstructure
- External passageways on port and starboard sides



Seating Capacity

- 7 crew seats
- 1 pilot seat
- 2 foldable seats



Forward Volume Utilisation (Opt 1)

- Underdeck cabin for 2 personnel
- Access via internal stairs from seating cabin



Forward Volume Utilisation (Opt 2)

- Entire underdeck volume dedicated to enclosed storage
- Access via internal stairs from seating cabin



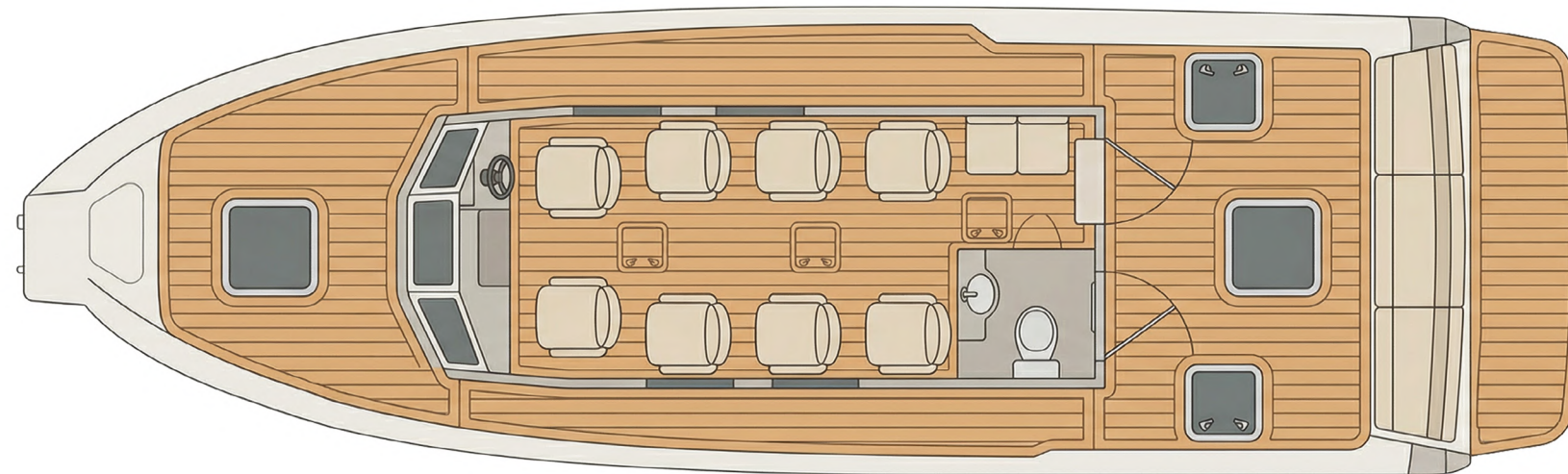
Circulation

- External fore-and-aft movement via side passageways
- Aft door access to seating cabin



Typical Applications

- Crew transfer with onboard rest capability
- Extended offshore and nearshore operations



Specification

Configuration 2





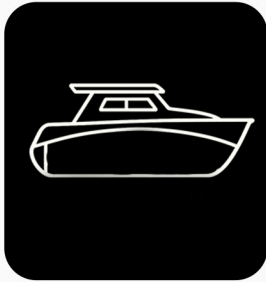
Superstructure

- Full-width superstructure
- Extended length compared to Configurations 1



Seating Capacity

- 14 crew seats
- 1 pilot seat
- 2 foldable seats



Forward Volume Utilisation

- Reduced forward storage
- Access via deck hatch
- No accommodation cabin



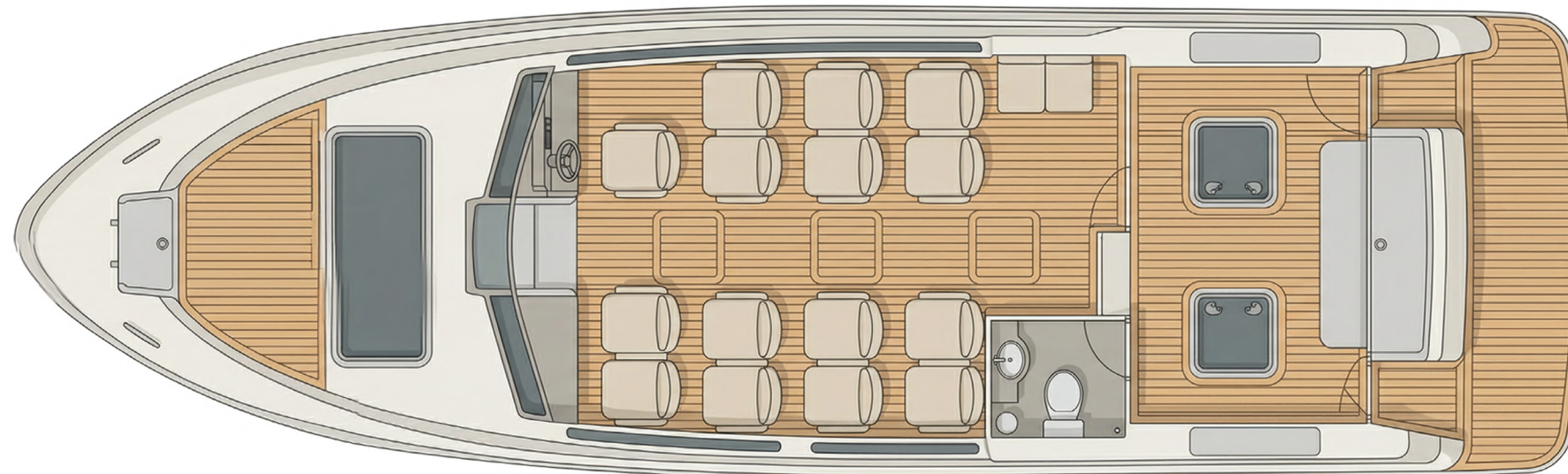
Circulation

- Internal central passageway
- Fore and aft doors for protected movement



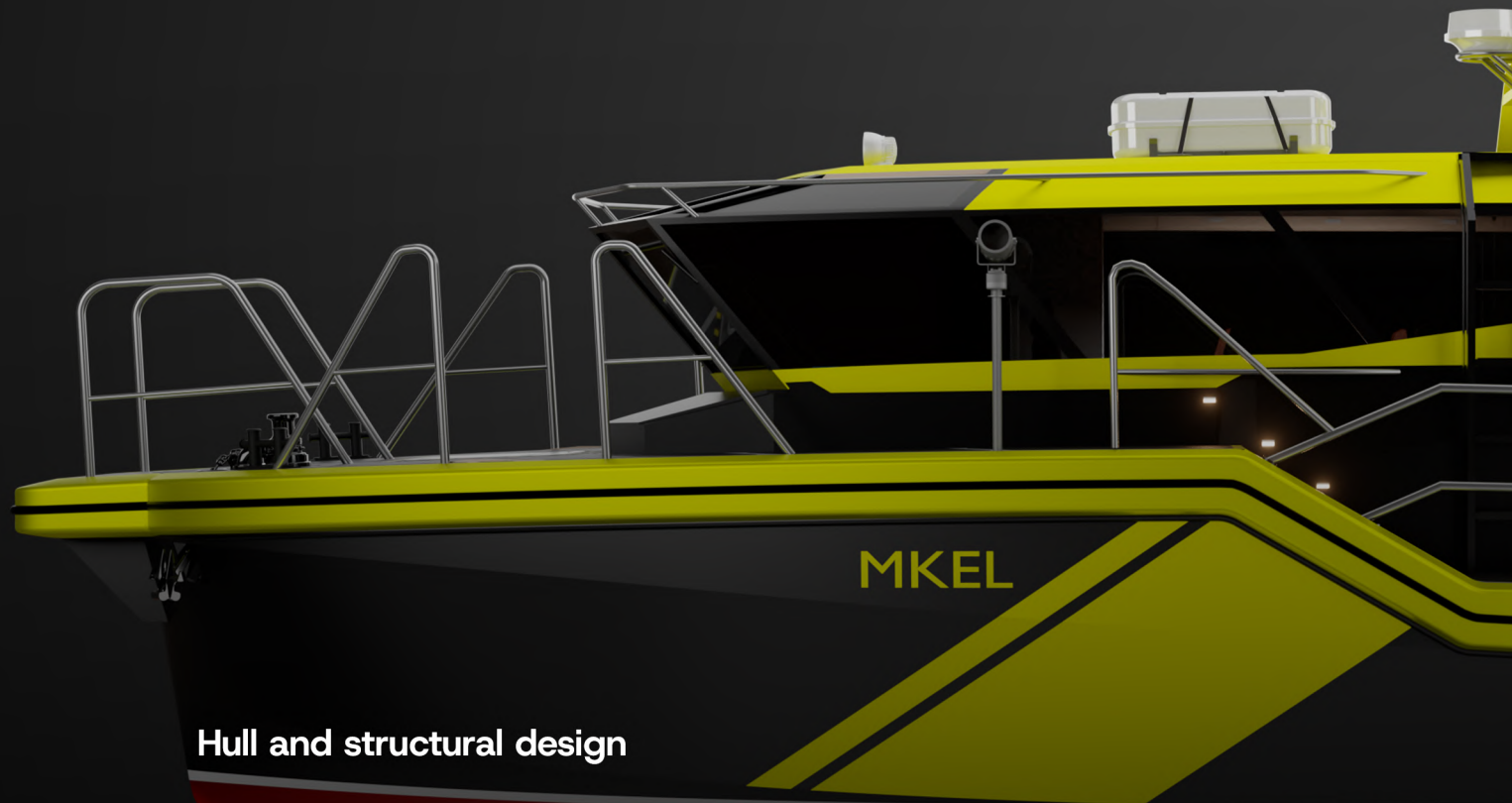
Typical Applications

- High-throughput personnel transfer
- Shuttle and wind-farm operations



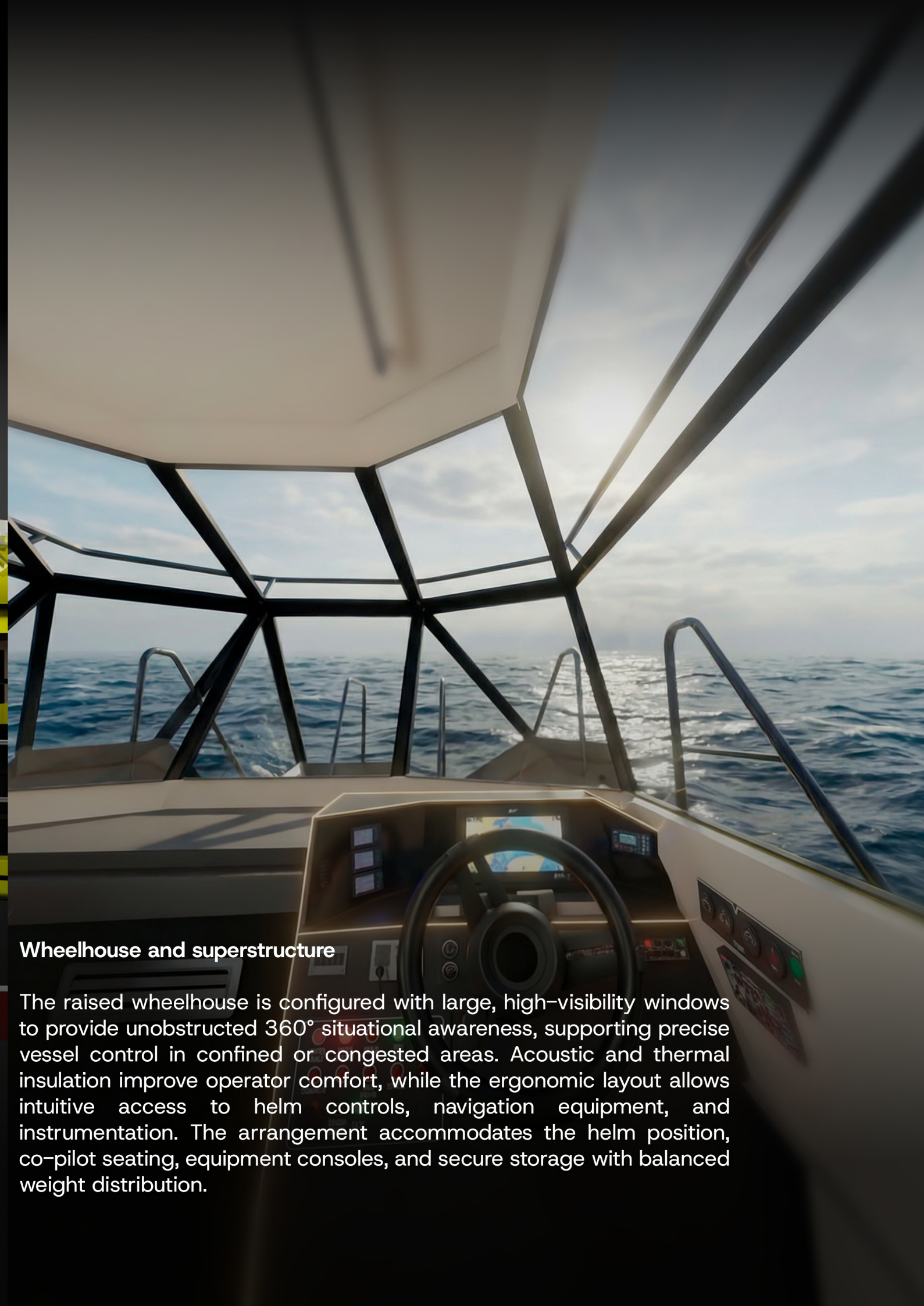
Design in detail

Configuration 1



Hull and structural design

The vessel incorporates a well-developed planing hull optimized for stable, efficient operation and ride comfort. FRP construction is engineered for stiffness, impact tolerance, and long service life. The bow is fitted with heavy-duty fendering and push-knees to support controlled offshore approaches, while carefully shaped chines and strakes enhance lift and limit spray. A self-draining working deck combined with an integrated bilge system supports safe, dry operations in all working conditions.



Wheelhouse and superstructure

The raised wheelhouse is configured with large, high-visibility windows to provide unobstructed 360° situational awareness, supporting precise vessel control in confined or congested areas. Acoustic and thermal insulation improve operator comfort, while the ergonomic layout allows intuitive access to helm controls, navigation equipment, and instrumentation. The arrangement accommodates the helm position, co-pilot seating, equipment consoles, and secure storage with balanced weight distribution.



Deck arrangement and access

The deck configuration is designed to enable quick and secure personnel movement, with clear forward and aft working zones for transfers and handling of equipment. The forward boarding area incorporates flush-mounted fittings, integrated steps, and guard rails to minimize trip hazards, while the aft deck offers adaptable space for stowage. Non-slip surfaces and strategically placed handholds provide secure footing and controlled movement between the wheelhouse, deck areas, and side access gates.

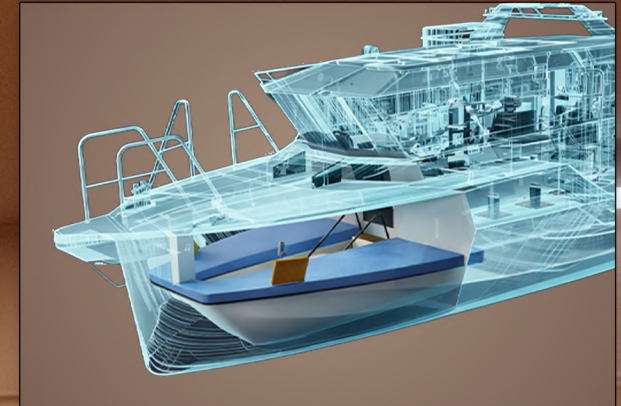


Personnel seating and interior comfort

The passenger cabin features a refined seating arrangement with **seven ergonomically contoured crew seats** arranged on either side of a central passage, complemented by a **dedicated pilot seat** positioned for optimal control and visibility. Clear, uninterrupted access to the crew transfer ramp is maintained without interfering with pilot operations, **while two optional foldable seats at the aft section** provide additional flexibility when required. Designed for comfort, safety, and efficient movement, the layout supports smooth and well-organized operations during transit.

Cabin space

Crew + Forward Cabin

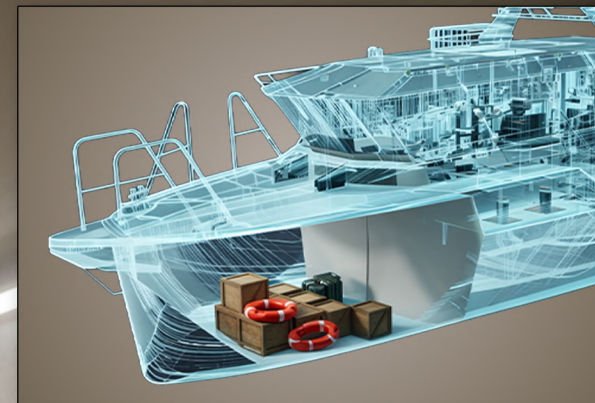


Forward Cabin layout

The forward cabin is engineered for efficient crew and passenger accommodation, utilizing a space-optimized berth configuration within the vessel's forward structure. Robust finishes, integrated lighting, and controlled internal access ensure safe occupancy and secure movement during operations in moderate to high sea states.

Cabin space

Crew + Forward Storage



Forward Storage Layout

The deck layout is optimized for systematic storage and handling of supplies and utilities, with clearly defined forward and aft zones to support diverse operational requirements. Integrated stowage areas, flush-mounted fittings, and open deck space allow equipment and consumables to be secured efficiently, while non-slip surfaces and handholds ensure safe access between the wheelhouse and deck zones.

Design in detail

Configuration 2



Hull and structural design

The vessel incorporates a well-developed planing hull optimized for stable, efficient operation and ride comfort. Its advanced composite structure is engineered for stiffness, impact tolerance, and long service life. The bow is fitted with heavy-duty fendering and push-knees to support controlled offshore approaches, while carefully shaped chines and strakes enhance lift and limit spray. A self-draining working deck combined with an integrated bilge system supports safe, dry operations in all working conditions.



Wheelhouse and superstructure

The raised wheelhouse is configured with large, high-visibility windows to provide unobstructed 360° situational awareness, supporting precise vessel control in confined or congested areas. Acoustic and thermal insulation improve operator comfort, while the ergonomic layout allows intuitive access to helm controls, navigation equipment, and instrumentation. The arrangement accommodates the helm position, co-pilot seating, equipment consoles, and secure storage with balanced weight distribution.



Deck arrangement and access

Designed for comfort and stability, the seating offers excellent support during transit, while overhead handrails enable secure and effortless movement throughout the cabin. Carefully integrated interior lighting delivers consistent illumination, enhancing visibility, comfort, and safety in both daytime and nighttime operating conditions.



Personnel seating and interior comfort

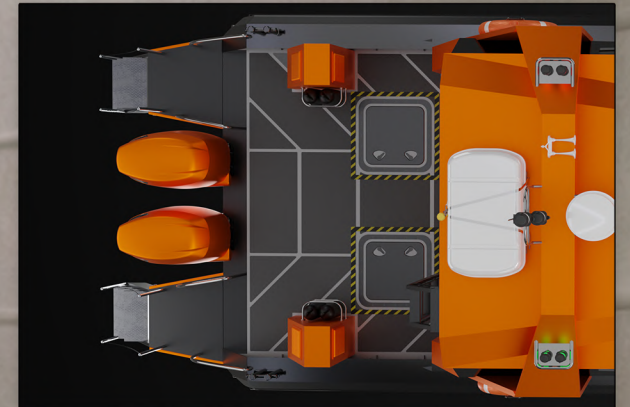
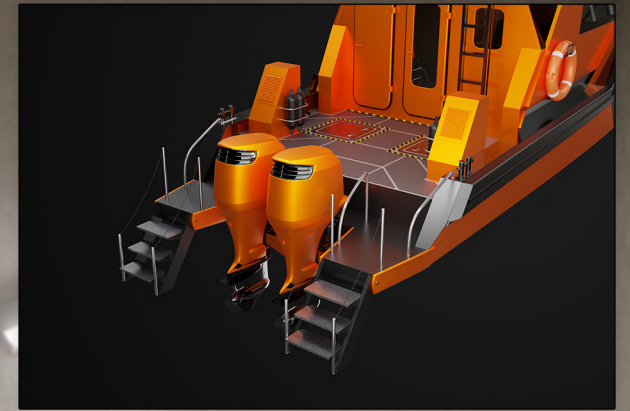
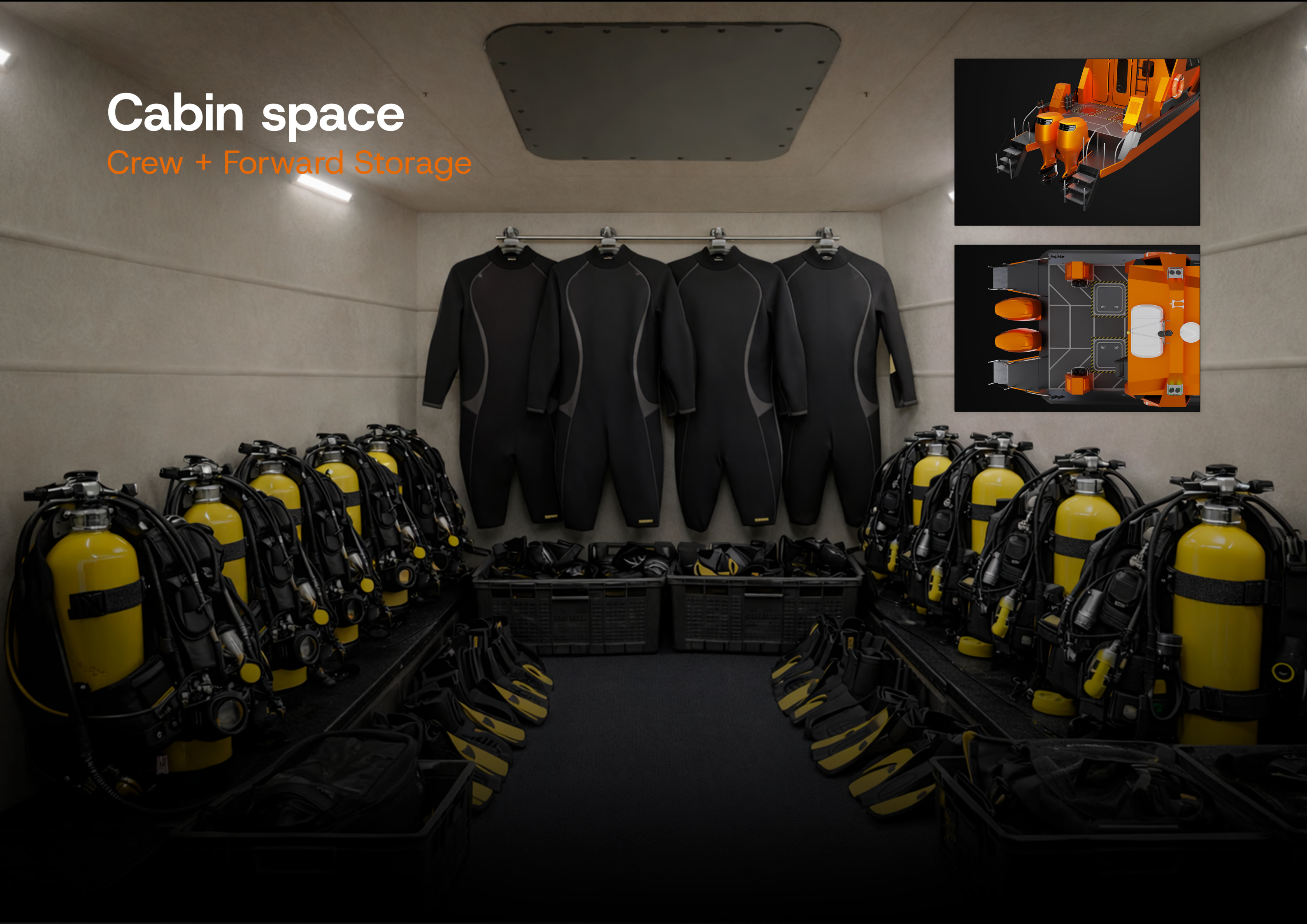
The passenger cabin features a refined seating arrangement with **fourteen ergonomically contoured crew seats** arranged on either side of a central passage, complemented by a **dedicated pilot seat** positioned for optimal control and visibility. Clear, uninterrupted access to the crew transfer ramp is maintained without interfering with pilot operations, **while two optional foldable seats at the aft section** provide additional flexibility when required. Designed for comfort, safety, and efficient movement, the layout supports smooth and well-organized operations during transit.

Designed to perform.
Engineered light, built tough.



Cabin space

Crew + Forward Storage



Aft Ocean Access for Diving & Water Operations

The workboat is equipped with twin aft-mounted ocean ladders to safely and efficiently support scuba diving, snorkelling, and in-water activities. Positioned at the stern, these ladders provide a controlled and ergonomic access point for passengers to enter the water and return onboard after completion of underwater operations. This arrangement is particularly suited for diving support, inspection work, training activities, and recreational snorkelling, where repeated water entry and exit are expected. The ladders allow divers to climb back onboard with fins and equipment, reducing reliance on manual assistance and improving overall safety and turnaround time. By integrating dedicated ocean access into the aft deck design, the vessel extends its operational versatility beyond transport—enabling it to function as an effective platform for underwater activities while maintaining a clear and unobstructed working deck.



Design process

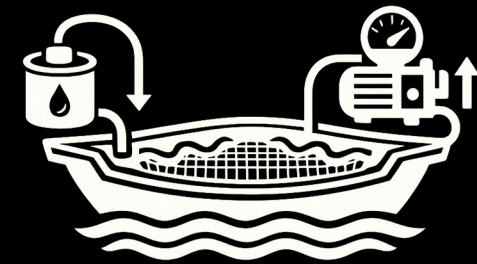


Materials used in construction

- Advanced fiberglass and carbon fiber construction with PVC/PET core, integrated using polyester and epoxy resin systems, achieves exceptional stiffness and durability at low weight.
- Designed to maintain smooth, predictable performance while operating in high sea states.

Vacuum infusion manufacturing process

- Engineered using state-of-the-art vacuum infusion technology for precise resin distribution within the composite structure.
- Delivers superior laminate quality with reduced resin consumption, minimal waste, and significantly lower manufacturing emissions.



High-level design philosophy



Beyond Crew Transfer — A Multi-Role FRP Workboat Platform

While the primary design driver for the 38 ft workboat platform is safe and efficient crew transfer, the vessel has been intentionally developed as a **multi-role FRP composite platform** capable of supporting a wide range of marine applications. Depending on configuration and outfitting, the platform can be deployed as:

- **Crew transfer vessels**
- **Pilot boats**
- **Passenger vessels for coastal and inland waterways**
- **Patrol craft for police, navy, and coast guard roles**
- **Search and rescue (SAR) platforms**

One Hull, Multiple Missions

The design philosophy centres on developing **one well-performing 38 ft hull** with predictable handling, strong seakeeping, and operational flexibility. Rather than creating multiple hull forms for different missions, MKEL has focused on:

- Optimising a single hull geometry
- Retaining the same hull shape across all variants
- Achieving role-specific adaptation through superstructure and internal layout changes

All differentiation is achieved through:

- Variation in superstructure width and length
- Reconfiguration of internal compartments
- Adjustment of seating density, circulation paths, and storage volumes



Composite Construction Strategy

The platform is constructed using **glass fibre composites**, combined with suitable resin systems and core materials, selected to deliver:

- **Impact resistance**
- **Structural strength and stiffness**
- **Long-term durability in marine environments**

This approach enables weight efficiency, corrosion resistance, and design freedom while supporting scalable production.

Modular Superstructure Philosophy

The superstructure is treated as a mission-driven modular element:

- **Side-passage layouts prioritise deck access and pilot focus**
- **Length variations balance seating, storage, and circulation**
- **Full-width layouts prioritise enclosed capacity and weather protection**

This modularity allows the same platform to serve commercial, governmental, and institutional operators with minimal redesign.

Engineering and Cost Optimisation

By maintaining a single hull platform and adapting only the superstructure and internal arrangement, MKEL achieves:

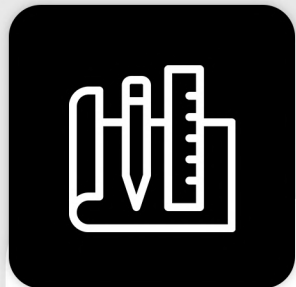
- **Optimised R&D investment**
- **Faster development of new variants**
- **Reduced tooling and mold costs for the hull**
- **Simplified production planning and quality control**

A Platform Designed for Longevity

The result is a **future-ready FRP workboat platform** that can evolve with changing operational needs. As requirements shift—whether due to regulation, mission scope, or market demand—the same hull can be adapted efficiently without compromising performance or cost discipline.

Quality of work

At MKEL, quality is built into every stage of our process—from initial design intent to final delivery. We focus on engineering clarity, disciplined execution, and repeatable outcomes, ensuring every vessel meets its operational purpose, safety requirements, and long-term performance expectations.



Design with Precision

Every vessel begins with a clear engineering brief and disciplined design development. Hull geometry, structural detailing, and system layouts are carefully resolved to balance performance, safety, and practicality, ensuring design decisions translate seamlessly into build-ready solutions.



Build with Strength

Fabrication is carried out using proven materials, qualified processes, and strict dimensional control. Structural integrity and fit-up accuracy are maintained throughout construction to deliver marine crafts built for demanding marine environments and extended service life.

Certify with Confidence

Our designs and builds are developed in alignment with applicable marine standards and regulatory requirements. Every stage from documentation and inspections to verification is managed through a structured and transparent process. This disciplined approach ensures compliance, safety, and long-term reliability,



Deliver with Excellence.

Final outfitting, testing, and handover are executed with attention to detail and functional performance. Each vessel is delivered as a complete, dependable platform—ready for immediate deployment and consistent operation in real-world conditions.



Our Journey

Sep 2025

36 ft Workboat & Yacht Concept Development

Concept design begins for the 36 ft platform, developed across three configurations: a fully enclosed cabin version, an open-deck variant, and a high-volume cargo or passenger configuration utilizing alternative superstructure layouts. This modular approach establishes a flexible platform adaptable to diverse operational and leisure requirements.

Apr 2026

Valor 27 ft scaled production starts

Manufacturing begins for the Valor 27, a 27-ft luxury sport-fishing powerboat, featuring advanced composite construction for a lightweight, high-strength hull and precision tooling to ensure premium quality across Centre Console and Enclosed Cabin configurations.

Aug 2026

38 ft workboat production commences

Construction begins on the first 36-ft FRP workboat, engineered for nearshore and offshore operations. The program includes comprehensive sea trials followed by phased customer deliveries, marking a major milestone as MKEL's first large vessel to be fully designed, built, and integrated entirely in-house.

Mar 2025

The Design Chapter Begins

Design and engineering commence for MKEL's first kayak series, covering 11 ft, 16 ft, and 21 ft models. This phase marks the start of intensive prototyping, material evaluation, and simulation-driven refinement—balancing performance, ergonomics, and manufacturability from the outset.

Jan 2026

Valor 27 ft design commences

Concept design commences for the Valor 27, a 27-ft luxury sport-fishing powerboat offered in Centre Console and Enclosed Cabin configurations, meticulously crafted to deliver exceptional offshore stability, refined hydrodynamic efficiency, and enhanced fuel economy, ensuring effortless performance and comfort at sea.

July 2026

First delivery of Valor 27

Following successful sea trials, the Valor 27 is delivered to its first owners. Real-world performance validation confirms exceptional stability, efficiency, and build quality, marking the transition from prototype to operational luxury sport-fishing vessel and the beginning of its journey in active service.



Dec 2026

First workboat delivery

Our first workboat delivery marks an important milestone. Built with robust FRP construction, the vessel delivers durability, stability, and reliable performance for demanding marine operations. This achievement reflects our engineering capability and commitment to quality craftsmanship.



Feb 2027

The 30 ft Catamaran

Production begins on a 30-ft FRP luxury catamaran designed to combine refined aesthetics, efficient performance, and electric-hybrid readiness. Engineered for smooth, stable cruising and superior comfort, it reflects a modern, sustainable approach to marine design. Sea trials are scheduled for February 2028, with a commercial launch planned for June 2028, setting a new standard in compact luxury catamarans.

Looking Ahead — 2028 to 2030



2028

Scaling up

Production capacity expands to approximately 24 boats and yachts annually, alongside 300 kayaks per year. Design development begins for a 50 ft hybrid catamaran and an electric hydrofoil board. MKEL also establishes its Adventure & Lifestyle Brand Division, extending into apparel, accessories, and curated events.



2029

Innovation & Exports

Introduction of electric-hybrid propulsion solutions across yacht and catamaran platforms. MKEL's export footprint expands across the Americas, Europe, the GCC, and Southeast Asia, supported by participation in key international exhibitions including Boot Düsseldorf, Cannes Yachting Festival, and METSTRade Amsterdam.



2030

The Global Stage

MKEL is established as a boutique global boatbuilder serving both luxury lifestyle and commercial marine markets. Annual output scales to over 100 vessels and 1,000 kayaks, supported by a growing European charter fleet. The launch of MKEL Design Studio formalizes an in-house creative and engineering hub focused on next-generation marine concepts.

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 **+91 9746633446 , info@m-kel.com**

 Door Number GF15, 13/420 Vallarpadam,
Goshree Road Alfa Horizon – Tower 1
Kerala 682504

 **www.m-kel.com**

 **[linkedin.mkel](https://www.linkedin.com/company/mkel)**