



Phoenix Marine Manufacturing

Smarter Sailing,
Safer Sailing



Phoenix at a glance

Phoenix Marine Manufacturing is a quality driven boatbuilder based at its own 36,000 m² facility on the outskirts of Cape Town. Known for award winning design and precision craftsmanship, Phoenix builds premium sailing and power vessels guided by its core mandate: 'Sailing Smarter, Safer.'

With expertise in advanced composites, next generation technology, and customer led design, Phoenix delivers bespoke, sustainable solutions across its production lines. Its Technology Innovation Centre leads progress in electric and hybrid propulsion, renewable energy integration, and digital control systems placing Phoenix at the forefront of cleaner, smarter yachting.

Creative direction flows from Studio 34° South, the in-house design and engineering studio that unites technical precision with elegance and individuality. From digital design to large scale 5 axis tooling to carbon composite infusion to interior fit out, systems installation, and commissioning, Phoenix offers a complete build service. Deeply committed to skills development and community upliftment. Phoenix has a dedicated after sales and parts department to ensure service is always considered part of the package.



The Fluid Group and our advantage



As part of the Fluid Group, Phoenix benefits from shared resources, supplier networks, and integrated engineering disciplines. Within the group, specialised entities support:

- Advanced composite R&D
- Precision machining (CNC & metalwork)
- Marine systems integration
- Project delivery support

This group structure increases reliability, reduces lead time, and gives us scale without losing the focus of a dedicated marine yard. Owners and partners gain through tighter procurement, better logistics, and consistently high standards across disciplines.



Our ethos and values

At Phoenix, we build more than boats we build confidence.

Our foundations lie in:

- Uncompromising quality: Every structure, circuit, and finish is held to the highest standard
- Innovation: Hybrid systems, smart controls, and efficient composites are core to our build philosophy
- Sustainability & low waste: We minimise material waste, favour durable solutions, and plan long service life
- Integrity & transparency: Owners have visibility into documentation, testing, and system logic
- People & development: We are a family oriented team; our skills development centre nurtures tomorrow's marine artisans

These values guide every decision in our yard from structural design to supplier choice to commissioning rigour.



Our Capabilities – The Hub, composites, smart systems



Phoenix's strength comes from integrated capability.

Composites & Engineering

We execute sandwich laminates using vacuum infusion, high grade cores, and structural fabrics for stiffness, impact resistance, and longevity. Our engineering team ensures simulation, load paths, and safety margins are baked in from day one.

The Hub: CNC | Joinery | Metalwork | Upholstery

Our hub brings precision and finish together. Bulkheads, furniture, and architectural elements are CNC cut, joined with high tolerance, upholstered with marine fabrics, and reinforced with in-house metalwork for structural or finish support.

Smart Systems & Hybrids

We integrate digital switching, monitoring systems, and hybrid propulsion or energy systems where needed. Our team ensures every circuit, sensor, and control is documented and tested from helm logic to battery management.

We also provide select subcontract or component manufacturing capability for other marine builders, drawing from our hub and systems integration skill sets.

Technical services & innovation

Phoenix offers full technical services to transform concepts into sea-ready vessels:

- Design Office: Build packs, system schematics, clash detection, production support
- Engineering support: Structural review, FEM, system architecture
- Systems integration: Electrical, control, navigation, energy, communications
- Service & commissioning: Full dock and sea trials, warranty support

Innovation is not a tagline it is part of our process: modular design, upgrade paths, accessible system layouts, and forward looking tech (hybrid + smart).





Vessel Showcase – X5 / X5e+ / Hybrid X5E Plus

From its debut, the X5 redefined expectations for performance, livability, and systems sophistication in large multihulls. Measuring 15.44 m (50.5 ft) LOA and with a beam of 8 m, the X5's composite construction, intelligent systems, and balanced hull geometry combined to deliver responsiveness under sail and a stable, quiet ride at sea.

Over time, Phoenix has evolved that platform: the X5 Plus introduced refined rigging, lighter displacement, improved systems integration, and enhanced ergonomics, enabling better performance and improved onboard comfort.

The latest evolution the X5e+—takes the lineage further into the future by embracing hybrid and electric propulsion, advanced battery storage, and energy management systems, allowing owners to sail more quietly, more sustainably, and farther with autonomy.

This trio of models reflects Phoenix's commitment to continuous improvement and technology led evolution.



Vessel Showcase – Xquisite 60 Solar Sail



The Xquisite 60 Solar Sail is Phoenix's most ambitious project yet, marrying ocean-going capability with sustainable energy systems and luxury. Measuring approximately 18.8 m (61'7") in length with a beam of nearly 8.9 m, this catamaran features a large sail plan (mainsail ~126 m², genoa ~90 m²) and a light-displacement design optimized for performance.

Onboard systems include a lithium-ion battery bank (48 kWh standard, with larger options), 7 kW (or more) solar panels, and inverter systems that support full house loads including air conditioning without the need to run a generator.

Under sail, the electric drivetrain can regenerate power back into the battery bank, while under motor use the hybrid system integrates diesel engines and charging alternators to maintain energy levels.

The Xquisite 60 Solar Sail embodies Phoenix's vision of blending sustainability, autonomy, and elegance a vessel built for serious cruising with minimal compromise.

Vessel Showcase – Bahari 525



The Bahari 525 Sailing Catamaran marks the debut of the Bahari line and showcases Phoenix Marine Manufacturing's commitment to performance, luxury, and intelligent design.

Measuring approximately 15.95 m (52'3") in length with a beam of 8.3 m (27'2"), this fast-cruising blue-water catamaran delivers an ideal blend of speed, comfort, and elegance. Built in Cape Town for global exploration, the Bahari 525 is crafted to withstand demanding ocean conditions while offering the refinement and flow expected of a premium sailing yacht.

Available in three- or four-cabin configurations, and with a flybridge or no-flybridge option, the Bahari 525 adapts to the owner's style of sailing—from performance-driven passages to relaxed long-range cruising. Interiors are designed with a sailor's understanding of ergonomics, ensuring seamless movement between saloon, galley, cockpit, and helm.

The forward trampoline transforms into a luxurious lounge complete with full-size custom mattresses and a dedicated awning for comfort at anchor. Integrated smart-boat technology monitors navigation, energy, and safety systems in real time, reflecting Phoenix's vision of combining traditional sailing with advanced innovation. The Bahari 525 embodies the harmony of craftsmanship, capability, and connection—a catamaran designed by sailors, built for sailors.



Awards

At Phoenix Marine Manufacturing, excellence isn't the goal — it's the standard. Every vessel we build reflects the dedication of a team driven by craftsmanship, precision, and innovation. Over the years, our work has been recognised by some of the world's most respected marine publications and industry awards. These honours affirm our belief that when technology, skill, and passion meet, exceptional things happen.

Xquisite X5 – A Trailblazer in Innovation (2017)

The Xquisite X5, built by Phoenix Marine Manufacturing, made a remarkable global debut in 2017, capturing multiple international awards for design and systems innovation.

Awards:

- 2017 Cruising World – Boat of the Year (Winner)
- 2017 Cruising World – Most Innovative Sailboat (Winner)
- 2017 Cruising World – Best Systems (Winner)
- 2017 SAIL Magazine – Best Boat: Best Large Multihull (50ft+)

These accolades celebrated not only the vessel's technical excellence and offshore performance, but also Phoenix's growing reputation as a world-class boatbuilder capable of delivering luxury, reliability, and ingenuity.



Xquisite X5 Plus – Refined and Reimagined (2022)

The Xquisite X5 Plus, a major evolution of the original X5, elevated the standard even further. With enhanced hydrodynamics, advanced systems, and refined interior finishes, the X5 Plus was praised for its sailing performance and cutting edge engineering.

Awards:

2022 Cruising World – Boat of the Year Finalist

This recognition reaffirmed Phoenix's commitment to continuous innovation and the pursuit of smarter, safer sailing.

Xquisite Sixty Solar Sail – The Future of Sustainable Cruising (2025)

The Xquisite Sixty Solar Sail, built by Phoenix Marine Manufacturing, represents the next frontier in eco-conscious yachting. Designed with integrated solar architecture, hybrid propulsion, and next-generation power storage, it sets a new benchmark for sustainable long range performance.

Awards:

2025 SAIL Magazine – Top 10 Best Boats

2025 Multihulls World – Multihull of the Year Nominee

These global honours underscore Phoenix's leadership in combining sustainability, engineering excellence, and craftsmanship to redefine what is possible at sea.

Other builds & custom capability

While the X5 and 60 Solar Sail are flagship projects, Phoenix's capacity extends across sailing and power domains.

We accept custom builds from motor yachts to expedition sailing craft executing each with the same commitment to:

- Structural integrity
- Systems architecture
- Serviceability
- Innovation + hybrid readiness

Our hub and technical services often serve as component or systems suppliers to other yards.

Whether you need modular subassemblies or whole builds, we bring expertise and repeatable process discipline.



Our team and experience



Our yard is powered by decades of global sailing, boat building, and systems experience.

We believe that a well mannered boat is built by a well led team.

We invest deeply in training, cross disciplinary fluency, and a culture of accountability.

Our Skills Development Centre ensures that through mentorship and structured training, institutional knowledge is captured, shared, and passed on.

Experience is our differentiator. When storms test the vessel, you want systems that were not compromised and that responsibility lies with the hands who built it.

Social responsibility, community & skills

Phoenix is committed not only to building vessels but to building people and communities:

- Skills Development Centre: Creating pathways into marine trades composites, joinery, systems anchored in real projects.
- Community upliftment: Partnering with local NGOs, training providers, and industry bodies to broaden access.
- Sustainability practices: Waste reduction, recycling, energy conscious systems integration, and materials optimisation.
- Vendor & partner training: Sharing knowledge, fostering industry improvement, and improving supply reliability.
- These efforts align with our purpose to build more than boats; to build legacy.







Let's talk about your next build

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