

SKYE
ADVANCE



SKYE PATROL 8500

Skye 10 Series Lightweight Workboats



**MADE TO
WORK**

SKYE 10 SERIES
WORKBOAT 8500

**SKYE
ADVANCE**



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SkyeAdvance Introduction

At [Skye Advance Africa](#), we are more than boat builders—we are drivers of progress, committed to delivering high-quality, custom-built workboats that serve Africa’s diverse maritime needs. From crew transfers and goods transportation to offshore services and fisheries, our vessels are designed for durability, efficiency, and long-term performance. Constructed using ISO-certified processes, DNV-class materials, and vacuum-infused composite technology, our boats meet the highest industry standards while ensuring operational excellence.

Guided by an “Africa First” ethos, we prioritize regional needs while fostering local talent through workforce development and skills training. Our approach integrates science and research to advance composite technology, offering tailored marine solutions to key markets including Angola, Malawi, Mozambique, and South Africa. Beyond manufacturing, we collaborate with local industries, government agencies, and private stakeholders to develop vessels that meet the evolving demands of Africa’s maritime sector. Whether facilitating safe and efficient offshore crew transportation, supporting sustainable fisheries, or optimizing inland and coastal logistics, every Skye Advance vessel is built with precision and purpose.

Welcome to [Skye Advance Africa](#)—where we don’t just build boats; we build solutions that shape the future of African maritime industries.

02

Our People

At [Skye Advance Africa](#), we are committed to empowering young people by equipping them with valuable skills and meaningful career opportunities through the craft of boatbuilding. We recognize that many unemployed youth possess untapped potential, and we believe in creating pathways that allow them to discover their talents, refine their abilities, and develop new competencies.

Our hands-on training programs provide practical experience in marine craftsmanship, engineering, and industry-standard manufacturing techniques, ensuring that participants gain both technical expertise and a strong work ethic. By fostering skill development in a structured and supportive environment, we aim to enhance employability, promote self-sufficiency, and contribute to the long-term growth of the maritime industry.

Beyond technical skills, our initiative instills discipline, teamwork, and problem-solving abilities—essential qualities that prepare young individuals for sustainable careers. Through mentorship and real-world application, we bridge the gap between education and employment, equipping participants with the confidence and knowledge needed to thrive in the marine sector. At [Skye Advance Africa](#), we don't just build boats; we build futures.



Mr. Ewen Niske - Founder & CEO

Professional Overview

A Composite Process Engineer with over 30 years of experience in marine, wind energy, and cured-in-place pipe (CIPP) technologies, primarily in Scandinavia. Ewen specializes in Scandinavian marine technology and has an extensive background in superyacht, workboat, and wind turbine component manufacturing. As the leader behind the Skye 10 Series of workboats, he spearheads innovative small workboat solutions for Africa's maritime sector from Cape Town, South Africa.

Key Roles & Expertise

- CEO, Skye Advance Africa Pty Ltd – Leads composite marine manufacturing, utilizing closed-system processes for lightweight, high-performance vessels with a focus on LEAN manufacturing and skills transfer.
- Founder & Chairman, Skye Holdings Group SA Pty Ltd & SIA Pty Ltd – Specializes in infrastructure rehabilitation, promoting composite solutions to African governments for pipeline restoration.
- Expert in Polymer Science & Composite Engineering – Applies advanced marine materials to workboat design and production.
- Research & Development Leadership – Led a CSIR & Department of Trade and Industry co-funded grant on composite workboat technology.
- Passionate Composite Boat Constructor – Focused on efficiency, durability, and sustainability in marine engineering.

Ewen Niske continues to drive composite innovation, marine technology, and infrastructure rehabilitation, shaping sustainable solutions for Africa's blue economy.



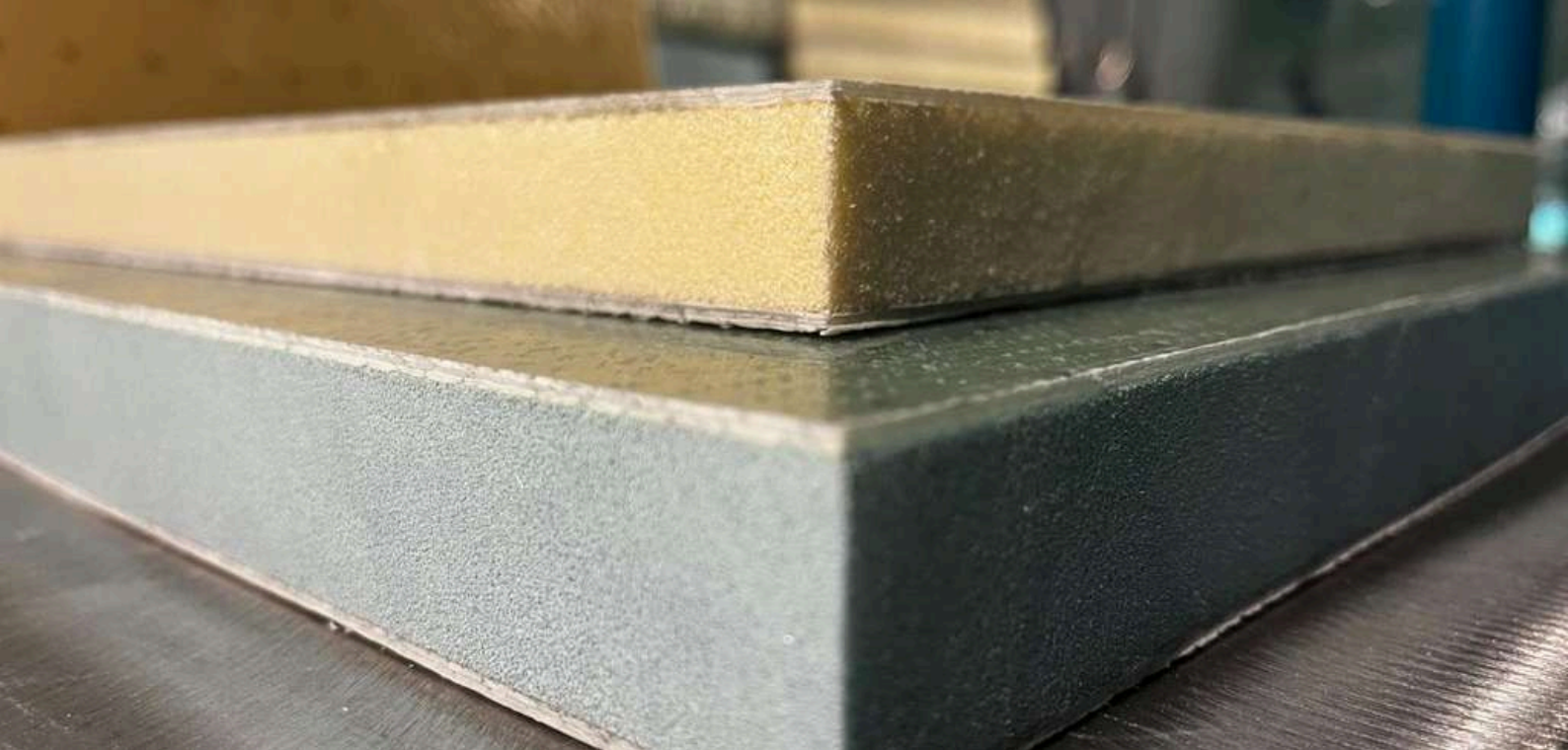
03

Material Sourcing and Environmental Sustainability

At [Skye Advance Africa](#), we are committed to utilizing locally sourced materials, rigorously tested in our laboratories to ensure optimal mechanical performance, durability, and cost efficiency. Our advanced composite construction incorporates high-fiber content multiaxial ECR glass fiber, relative-density core sandwich structures, and high-grade Bisphenol A-based polymers, delivering exceptional strength and impact resistance that surpasses traditional aluminum structures.

Our core sandwich construction process involves precisely consolidating inner and outer skins under vacuum pressure, followed by controlled resin injection to achieve maximum structural integrity. This highly efficient manufacturing technique results in a lightweight yet exceptionally durable final product, ensuring longevity and reliability in demanding marine environments.

Composites offer significant advantages for marine applications, making them the preferred choice for high-performance vessels. Their lightweight nature and superior strength-to-weight ratio enhance efficiency, fuel economy, and overall performance. Unlike traditional materials, composites resist corrosion, withstand extreme conditions, and provide long-term structural integrity. Their design flexibility enables the creation of customized, high-performance solutions, seamlessly integrating varied materials and geometries to optimize strength, resilience, and functionality in a single structure. Through innovative engineering and precision manufacturing, [Skye Advance Africa](#) continues to set new standards in marine composite technology.



04

Vessel Introduction

The [Skye Patrol 8500](#) workboat series addresses the shortage of patrol vessels for immigration and border management, environmental protection, and law enforcement in Africa. Designed for light patrol operations, it provides a durable and efficient entry-level solution for Africa's expanding blue economy. Built to ISO and international standards in Cape Town, South Africa, the SKYE 10 Series commercial workboats are fully container-shippable, ensuring seamless delivery anywhere in Africa accessible by container transport.

With a 9-meter LOA, the [Skye Patrol 8500](#) accommodates up to 6 crew members and 2 coxswains, powered by single or twin engines. Engineered for safety, durability, and comfort, it offers customizable features, including seating configurations, stand-up consoles, Bimini tops, full-length canopies, and optimized boarding platforms with integrated staircases and handrails. Military color customization enhances operational discretion. Delivered within 90 days in a 40ft container, the [Skye Patrol 8500](#) is a critical asset for securing Africa's waterways while supporting border control and law enforcement missions.



05

The Hull

The *Skye Adventure 8500* hull is meticulously designed for efficiency, stability, and fuel economy, making it the ideal choice for inland, inshore, island, and nearshore adventure and sport fishing operations. With a 10° deadrise, it ensures a smooth, controlled ride while optimizing performance in diverse marine conditions. Constructed from high-quality, internationally tested materials, it incorporates up to 65% high-fiber content composites, vacuum-infused quadriaxial E-Glass, premium marine-grade polymers, and a reinforced core sandwich structure, delivering exceptional strength and durability.

Measuring 9.00 meters in length with a 2.35-meter beam, the hull is designed for superior maneuverability and handling across varying environments. Built to DNV class standards, it sets a new benchmark in modern marine engineering—built to last, made to work.



Mr. Alex Bromley - Lead Designer

Professional Overview

The Skye 10 Series Workboats are the result of a collaboration with [Bromley Marine Design](#) of Cape Town, South Africa. Leading the design is Alex Bromley, a talented marine designer from the Westlawn Institute of Marine Technology, who quickly understood our vision for a durable, modular, and easy-to-build vessel suited for Africa's needs. His expertise has been key in developing workboats that are both highly functional and visually refined.

Designed for resilience, modularity, and adaptability, these vessels are built to withstand Africa's demanding waterways. With interchangeable components inspired by Lego and Ikea, they allow for easy customization and maintenance. Our partnership with Bromley Maritime Design aims to transform Africa's workboat industry by delivering vessels for critical applications such as medical transport, emergency response, and improved access to education and healthcare. Constructed with eco-friendly materials, these boats also challenge the traditional perception of workboat aesthetics.

We highly recommend Alex Bromley and [Bromley Marine Design](#) for any marine project. Their technical expertise, innovation, and commitment to functional yet modern vessel design make them an invaluable partner in shaping the future of maritime solutions.



06

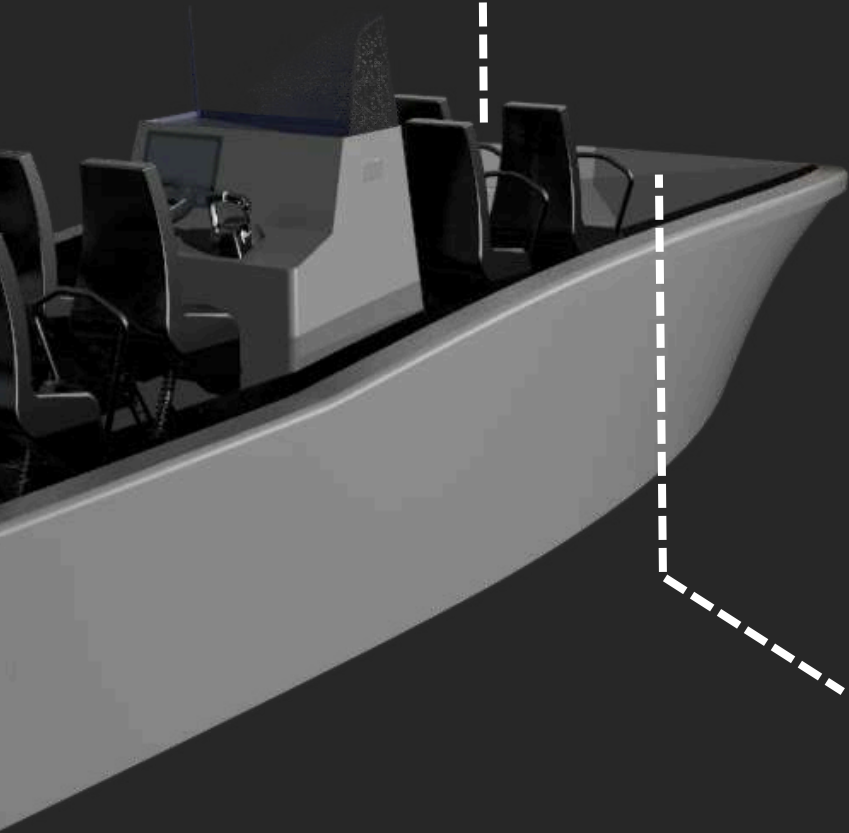
The Deck

Swim Ladder



Heavy Duty
Fender

Jockey Seats



Rubberized Deck



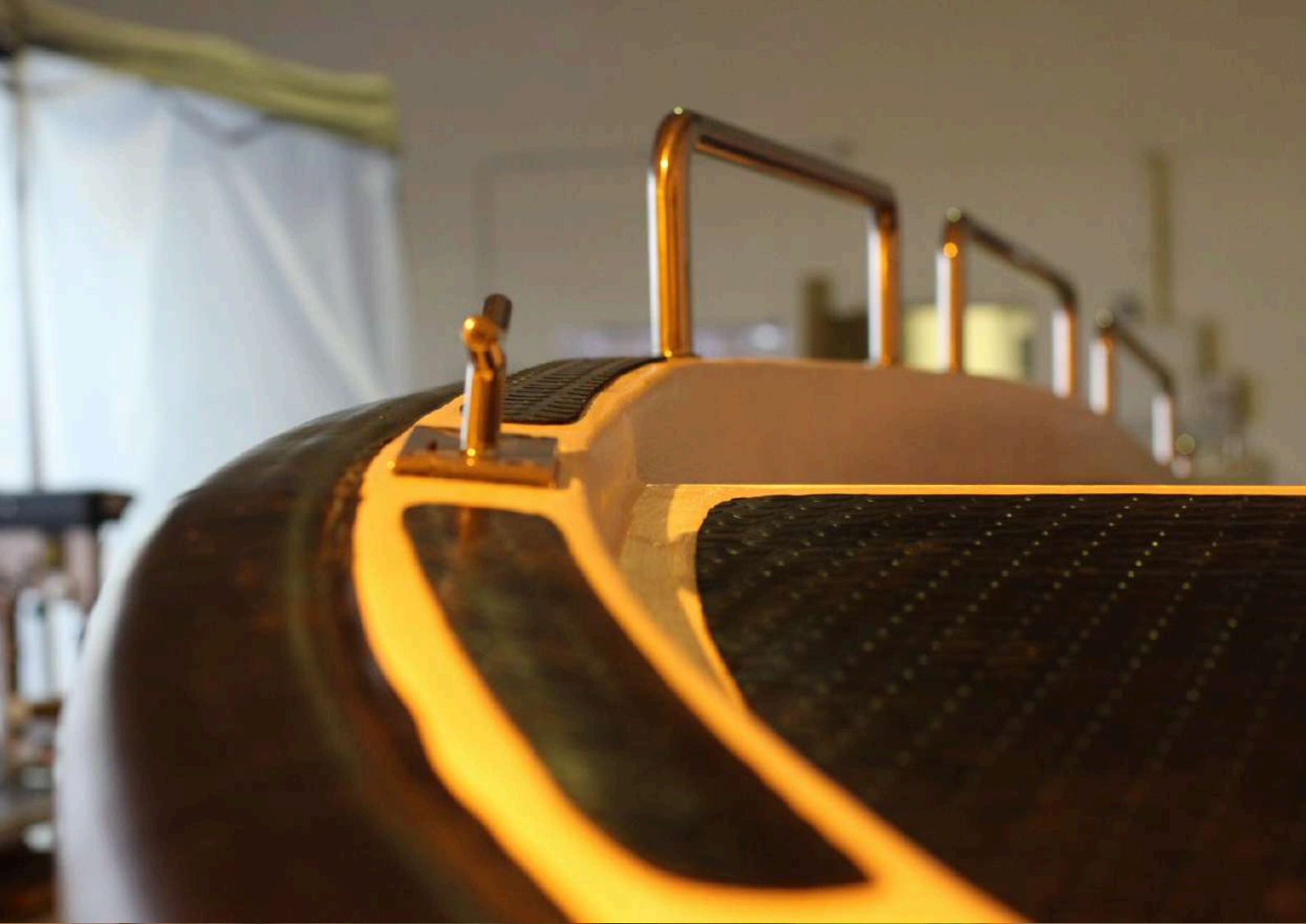
The [Skye Patrol 8500](#) is designed for efficiency, durability, and seamless patrol operations. Accommodating up to 8 crew members and 2 coxswains, it features an aft, center, or forward console layout, ensuring unobstructed movement and maximising workspace for surveillance, law enforcement, and border control activities. Engineered for rapid response and tactical manoeuvrability, it provides a reliable platform for securing inland, inshore, and coastal waterways.

Its ergonomic design allows easy access across the deck, optimizing operational efficiency for nearshore, inshore, and inland waters. Seating options include bench or jockey seats and bow seating, with or without vinyl padding, providing ergonomic support for extended trips. A bow storage locker offers ample space for essential equipment such as lifejackets.

The [Skye Patrol 8500](#) is built for security, durability, and operational efficiency, featuring a stainless steel Bimini top for shade and protection, along with essential safety elements such as grab rails, modern navigation systems, a kill switch, automatic bilge pump, lifejackets, and a fire extinguisher. Designed to withstand high-impact operations, it includes a reinforced solid keel with an impact strip in stainless steel or high-density plastic, as well as a high-density rubber D-profile fender (110 x 100 mm, 20mm EPDM) with A4 stainless steel harnessing for maximum impact resistance. High-quality stainless steel fittings and a reinforced high-module transom ensure superior strength against mechanical stresses. Engineered for stability and maneuverability, the [Skye Patrol 8500](#) provides a secure and reliable platform for law enforcement, border patrol, and tactical operations.



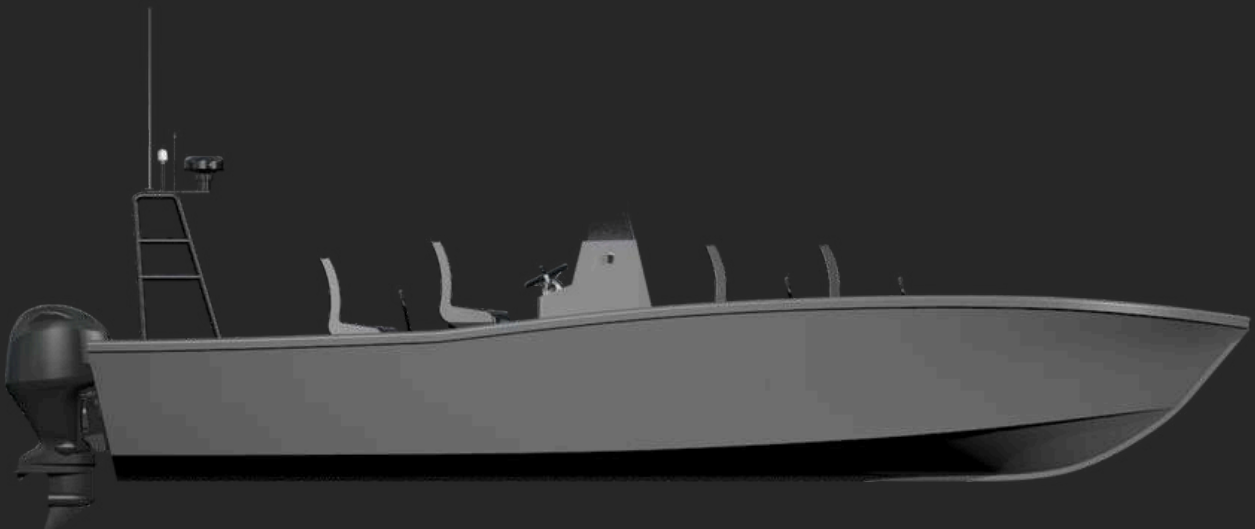
The [Skye Patrol 8500](#) is designed for law enforcement and border security, featuring a rubberized, non-slip deck that enhances stability and protection in all conditions. This high-grip surface minimizes the risk of slips and falls, ensuring secure footing for officers during high-speed maneuvers and tactical operations. Its impact-absorbing properties reduce fatigue and vibration, providing enhanced comfort during extended patrol missions. Resistant to wear, corrosion, and harsh marine environments, the deck simplifies maintenance, ensuring long-term reliability. These features make the [Skye Patrol 8500](#) an ideal choice for security and enforcement operations, prioritizing safety, durability, and operational efficiency.



07

Propulsion and Performance Characteristics

The [Skye Patrol 8500](#) is engineered for exceptional speed, fuel efficiency, and versatility, making it an ideal vessel for law enforcement, border security, and tactical operations. Powered by twin 150 HP high-output four-stroke engines, it delivers rapid response capabilities with a top speed of 38–40 knots, ensuring swift maneuverability in both inland and coastal waters. With a lightweight displacement and a fuel capacity of up to 400 liters, it offers extended endurance for prolonged patrol missions. Designed for stability, power, and operational excellence, the [Skye Patrol 8500](#) exemplifies modern marine composite engineering, providing superior strength, control, and reliability in Africa's demanding maritime environments.



At [Skye Advance Africa](#), propulsion and onboard electronics are now inseparable due to the extensive integration possibilities available in modern marine technology. As a result, our propulsion systems are carefully selected based on efficiency, reliability, seamless integration, and budget considerations, ensuring optimal performance and operational flexibility.

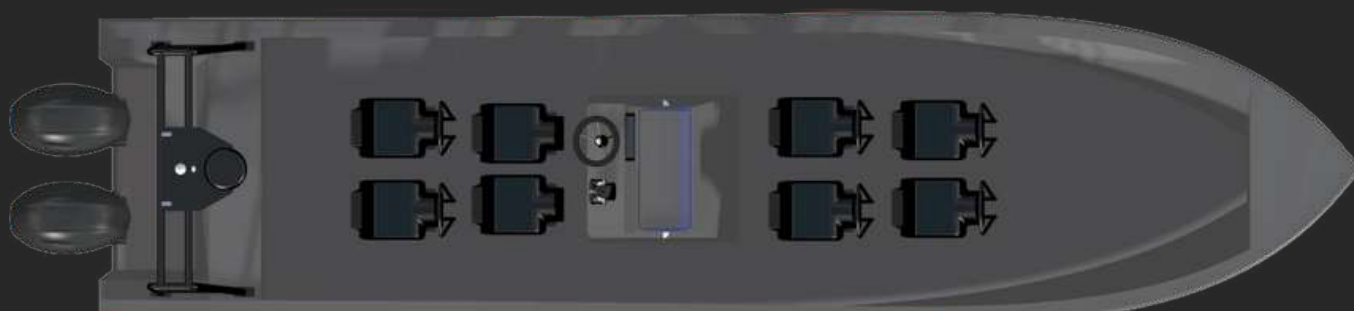
Recognizing that propulsion versatility is just as critical as vessel adaptability, our hulls are engineered to support a wide range of power configurations, accommodating both single and twin installations. This design approach allows for customized propulsion solutions, ensuring that each vessel is tailored to meet specific operational demands while maximizing performance, fuel efficiency, and longevity.

| | Performance with Power Options | Max Speed Light Duty | Max Speed Full Load | Crusing Speed Full Load |
|---|--------------------------------|----------------------|---------------------|-------------------------|
| Single Engine Petrol | 1x90 Hp | 27 | 15 | 12 |
| | 1x115 Hp | 33 | 25 | 15 |
| | 1x200 Hp | 35 | 25 | 18 |
| Dual Engine Petrol | 2x60 Hp | 25 | 15 | 12 |
| | 2x90 Hp | 35 | 25 | 22 |
| | 2x115 Hp | 38 | 30 | 28 |
| | 2x150 Hp | 38 | 32 | 32 |
| Diesel Outboards | 2x50 Hp | 25 | 19 | 15 |
| | 1x300 Hp | 38 | 32 | 30 |
| Electric Engine Options | | | | |
| 2x70 Hp | | 32 | 25 | 22 |
| 2x150 Hp | | 38 | 32 | 28 |
| 1x300 Hp | | 38 | 32 | 30 |
| Using Patent Closed Liquid Cooling and Axial Flux Permanent Magnet Motor | | | | |

08

General Particulars

| | | | |
|------------------|------------------------|---------------------------|---|
| LENGTH OVERALL | 8.859 M | FUEL CAPACITY | 400 L |
| LENGTH OF HULL | 8.366 M | WATER CAPACITY | 200 L |
| BEAM | 2.35 M | BLACK WATER TANK CAPACITY | |
| DRAFT | 0.3-0.5 M | POWER | 300 Hp |
| DRY WEIGHT | 1470 Kg | MAX SPEED (LIGHTSHIP) | 38 KNOTS |
| FULL LOAD WEIGHT | 3500 Kg | MAX ECONOMIC RANGE | Range Dependent on Engines and Operator |
| ENGINES | Outboard (300-350 Max) | CREW | 2 |
| CARGO CAPACITY | 1.5-2 Tons | GUESTS | 8 |





Quality Assurance & Quality Control

At [Skye Advance Africa](#), we implement a rigorous and comprehensive approach throughout the entire boatbuilding process to ensure the highest standards of quality and craftsmanship. This brochure outlines the key steps in our process, with further details on each stage available in a separate document.

1. Quality Objectives
2. Quality Management System
3. Quality control Procedures
4. Quality Assurance Procedures
5. Internal Audits and management review
6. Continuous Improvement
7. Human Capital Development and management
8. Management responsibility
9. Allocation of resources and personnel
10. Quality System Management
11. Project Review and Proposal Submission
12. RFQ and Contractual Review
13. Proposal Preparation
14. Project Set up
15. Control of Project Documentation
16. Purchasing and Material Control & Requirements
17. Subcontracting requirements
18. Maintenance of Procurement Data
19. Product Identification and Traceability
20. Inspection and testing During Construction
21. Final Inspection and testing

10

Available Options

| | |
|-----------|--|
| SK8500 01 | HDB Only: LOA 9 Meters (With engines) 8,368 m without engines. High module composite vaccum infused Hull, scantlings, Deck sole (Full) anchor locker and hatch. Deck Comings full length. Reinforced keel. Ral Color gelcoat 1 TONE. High load transom (No transom SS) Self draining deck. Buoyancy Bottles. Anchor Locker |
| SK7500 01 | HDB Only: LOA 7,75 Meters (With engines) 7,25 m without engines. High module composite vaccum infused Hull, scantlings, Deck sole (Full) anchor locker and hatch. Deck Comings full length. Reinforced keel. Ral Color gelcoat 1 TONE. High load transom (No transom SS) Self draining deck. Boyancy Bottles. |
| SK6500 01 | HDB Only: LOA 6,75 Meters (With engines) 6.250 m without engines. High module composite vaccum infused Hull, scantlings, Deck sole (Full) anchor locker and hatch. Deck Comings full length. Reinforced keel. Ral Color gelcoat 1 TONE. High load transom (No transom SS) Self draining dec . Boyancy Bottles. |

| Seating Options | |
|-----------------|--|
| SKYE 1001-8 | Removable plank seat no back, high load fixing point to hull, Longitudinal 3 pax width, no backrest, no hand rails, fixed location points |
| SKYE 1001-13 | Custom 2 Pax GRP seats with safety handrails for 6 pax/crew and under seat open storage shelves 500mm wide off deck. |
| SKYE 1001-14 | Removable reinforced Crew Seating, Custom 2 Pax GRP seats with safety handrails. Bolt on bolt off brackets for seat and deck location tapping plates |
| SKYE 1001-15 | Custom High strength custom 1 crew Jockey GRP seats with safety handrails and back rest for 1 crew and under seat storage, Grab Rail and Upholstery. |

| Seating, Deck and Layout Options | |
|----------------------------------|--|
| SK2002-1 | Console Stand up Open Format |
| SK2002-2 | Console Stand Up with top and SS Work (No screen) |
| SK2002-3 | Console Stand Up with top and SS Work (with screen) |
| SK2002-4 | Forward wheelhouse (Full beam Forward steering arrangement) With screen & top |
| SK2002-5 | Forward wheel house (Half beam Forward steering arrangement) with screen & top |
| SK2002-6 | Forward wheelhouse (Full beam Forward steering arrangement) Screen and Full Hard top |
| SK2002-7 | Forward wheel house (Half beam Forward steering arrangement) Screen and Full Hard top |
| SK2002-8 | Storage locker forward with Hatch with drainage |
| SK2002-9 | Staircase Forward arrangement |
| SK2002-10 | Landing platform and staircase Midships (Pilot) with Hand safety hand rail. |
| SK2002-15 | Dive format: longitudinal seating 4+4, Bottle Rack, Compressor (not included) housing, lowered transom for diver retrieval |

| Rubber and EDPM | |
|-----------------|---|
| SK3003-1 | Fender strake 6mm x 25mm fitted EPDM |
| SK3003-2 | Fixed fender hull 60mm x 25mm x 1m x 3 sets: port and starboard |
| SK3003-3 | Fender strake 60mm x 60mm D profile EPDM |
| SK3003-4 | Fixed fender hull 60mm x 60mm x 1 meter x 3 sets: port and starboard |
| SK3003-5 | Robust heavy duty Rubber D fender 100mm x 100mm system on front of vessel, reducing to 80mm x 60mm heavy duty rubber D profile on aft section and 3x500mm vertical hull defenders with high load reinforcing and composite high load construction |
| SK3003-6 | Rubberization of main deck work areas in 3mm EPDM High wear abrasion matting in Dotted or Checka format |
| SK3003-7 | Coaming edge trim Pinch-weld PVC large |

Stainless Steel and Aluminum Works

| | |
|-----------|---|
| SK4004-1 | Stainless steel works: Keel strip 30mm x 5 mm, Set of 8 x 200 mm 8 (H) x 1000mm (L) High Quality Grab Rails in 32 mm SS, Set of 6 High quality Custom cleats in Stainless steel |
| SK4004-2 | Radar arch system |
| SK4004-3 | Engine protection Bar |
| SK4004-14 | Transom Plate 400 x 360 3mm each |
| SK4004-15 | Transom plate 400 x 400 x 6mm heavy duty commercial |
| SK4004-16 | Pressurised 300l Fresh water system |
| SK4004-17 | 300 Litre Aluminium Built in fuel tank |

Electrics

| | |
|----------|--|
| SK5000-1 | Electrics: LED Nav Lights, House Battery, Start Battery, Charge combiner, Switch Panel, Marine Grade cables, installation, Canopy Lighting LED, 2 water proof Work lights, Magnetic Compass, Bilge pump manual & automatic |
|----------|--|

| | |
|-----------|---|
| SKYE 6000 | Epoxy Primer (Hydrobarrier) and Anti foul |
|-----------|---|

| | |
|-----------|--|
| SKYE 7000 | Handling and containerisation for shipping |
|-----------|--|

| | |
|-----------|--|
| SKYE 8000 | Road Trailer 28ft 2.5-ton braked axel, with 16inch wheels, RWC, data dotting |
|-----------|--|

| | |
|-----------|----------------------|
| SKYE 9000 | Composite Boat Stand |
|-----------|----------------------|

Engines and Motor

| | |
|------------|--|
| SKYE 10000 | Please refer to Propulsion and Performance Characteristics section (07) for engine options |
|------------|--|

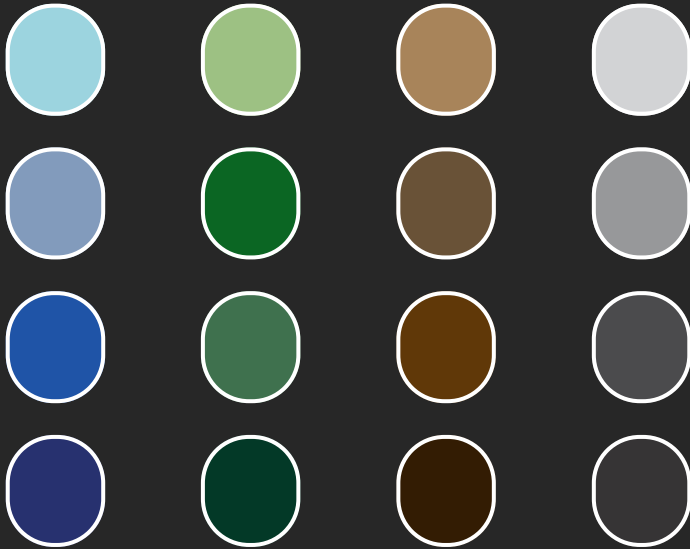
Set: Seamanship / Safety:

| | |
|------------|--|
| SKYE 11000 | 15kg anchor, 10-meter chain, 40-meter 16mm Polyester Rope, Mooring line 80 meter of 18mm, Cleats 4, Lifejackets x 8, Life ring x 1, 1.5kg DPC Fire extinguisher, Capsize canister, SART Transponder, |
|------------|--|

| Radio & GPS | |
|-------------|--|
| SKYE 12000 | Garmin Echo Map UHD 72 cv w/GT56UHD TM & ICOM M330G 25-watt VHF with antenna and Installation. |

| Optional Extras and Options | |
|-----------------------------|---|
| SK 13000-1 | Radar: Raymarine 20 Nm |
| SK 13000-3 | Night Vision System Installation |
| SK 13000-4 | LED Deck Lighting/Blue Courtesy Lights |
| SK 13000-5 | Wireless Phone Charger/USB charge station at console |
| SK 13000-6 | Work Lights High Power LED water proof |
| SK 13000-7 | Search Lights |
| SK 13000-8 | Marine Horn and PA System |
| SK 13000-9 | Blue Tooth Audio System Fusion |
| SK 13000-10 | Navigation system Upgrade |
| SK 13000-11 | Synthetic EVA Teak deck Cover (Teak/Grey/Light Grey) |
| SK 13000-12 | Soft Padding deck pads |
| SK 13000-13 | Transom Wash off/Shower |
| SK 13000-14 | Swim Ladder/Boarding platform, 3-tier telescopic ladder |
| SK 13000-16 | Gunwale Braai / Barbecues |
| SK 13000-19 | Anchor bollard |
| SK 13000-20 | Bow roller |
| SK 13000-22 | 12 V Build In Fridge |

Choose your color



The Skye series offers full customization options, allowing you to tailor the boat's color to match your corporate identity, brand, or personal style. Whether for commercial operations, tourism, or private use, this customization ensures a cohesive and professional appearance, enhancing brand recognition and visual appeal on the water.




Quote

The quote for this boat will be provided on another, separate document upon request

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