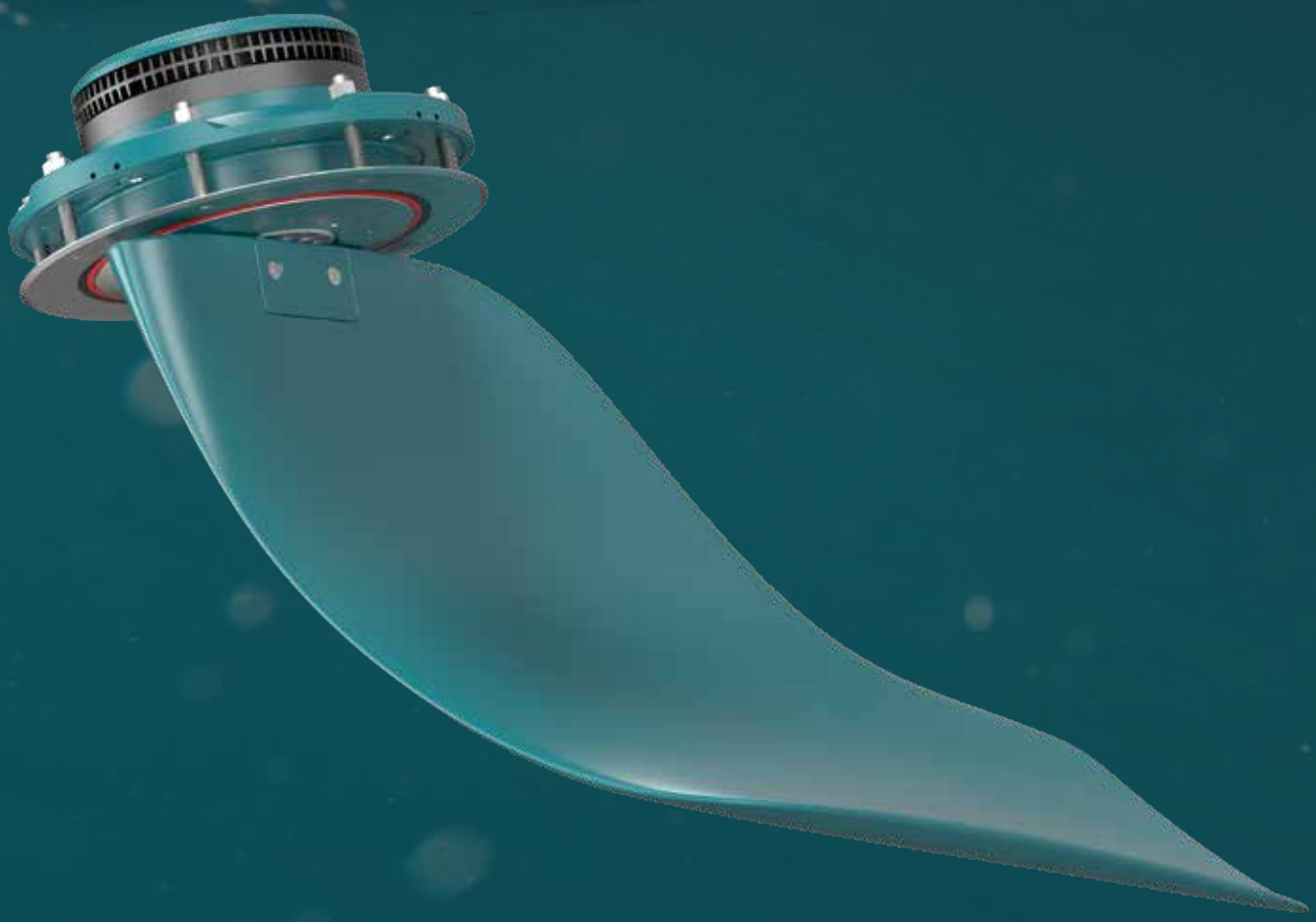
SLEIPNER®
Ocean born. Tech bred.

Stabilization that feels right.



SLEIPNER STABILIZERS

ELECTRIC VECTOR FINS

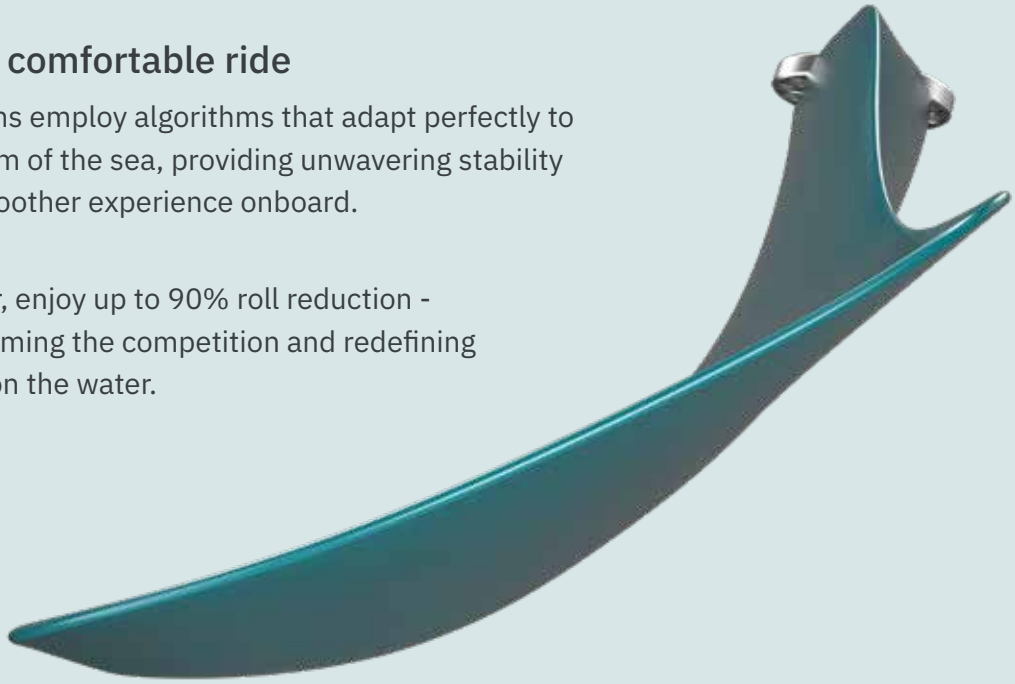
A patented fin design like no other

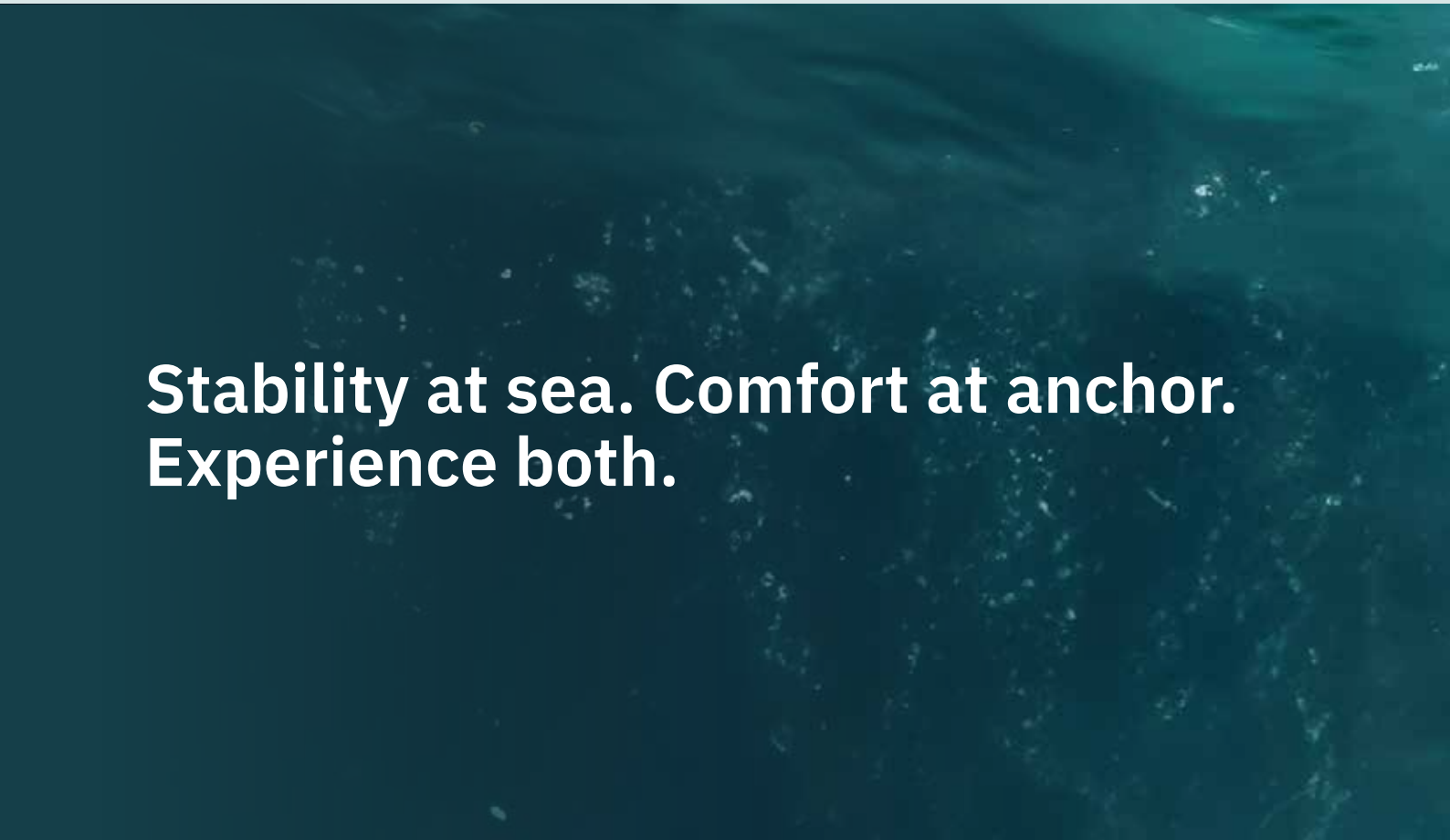
Backed by over a decade of dedicated R&D and proven in over 2,200 installations, Vector Fins offer a unique approach to yacht stabilization. The patented curved fin design channels stabilization forces more vertically, achieving high efficiency with much lower energy use than traditional systems.

A more comfortable ride

Vector Fins employ algorithms that adapt perfectly to the rhythm of the sea, providing unwavering stability and a smoother experience onboard.

At anchor, enjoy up to 90% roll reduction - outperforming the competition and redefining comfort on the water.





Stability at sea. Comfort at anchor. Experience both.

Smooth, efficient, unmatched

Vector Fins redefine what stabilization can achieve, offering a range of advantages that improve both your experience on the water and the efficiency of your vessel.

- **Smooth ride:** Enhanced roll stabilization keeps your boat steady, delivering comfort and safety in all conditions.
- **Fuel efficiency:** The unique fin shape generates lift, reducing drag and improving fuel economy, making faster boats more efficient.
- **Compact and versatile:** The compact actuator design allows seamless integration with any yacht, preserving space without compromising performance.
- **Dual functionality:** Effective stabilization at both high speeds and at anchor, providing comfort whether you're underway or at rest.
- **Quiet operation:** Patented noise reduction technology ensures peace and quiet aboard.
- **Sustainable performance:** With up to 80% less power usage at anchor, Vector Fins deliver double the stabilizing force per kW - giving you powerful stabilization with a lighter environmental footprint.

Ready to experience unmatched stability?

Our team collaborates with yacht builders, designers and owners to create stabilization systems tailored to your vessel’s performance goals and installation need - from consultation to final installation, every detail is covered.

Multifunctional display integration

Control the roll with powerful algorithms

Vector Fins bring stabilization to a new level with its intelligent software system. The system's algorithms work in real-time to deliver smooth transitions and responsive control over your boat's stability, enhancing both performance and comfort.

Advanced control features

- **Intuitive touchscreen display:** Effortlessly monitor and adjust stabilization settings with a sleek, user-friendly interface.
- **Algorithm-powered responsiveness:** Integrated GPS and rudder inputs work in tandem with advanced algorithms to adapt automatically, delivering smooth transitions in all conditions.
- **Remote diagnostics and service:** Access real-time diagnostics, remote support, and software updates via onboard Wi-Fi, ensuring your system operates safely at all times.
- **Multifunctional display integration:** Easily connect with existing onboard systems for a unified, streamlined experience.

Control modes

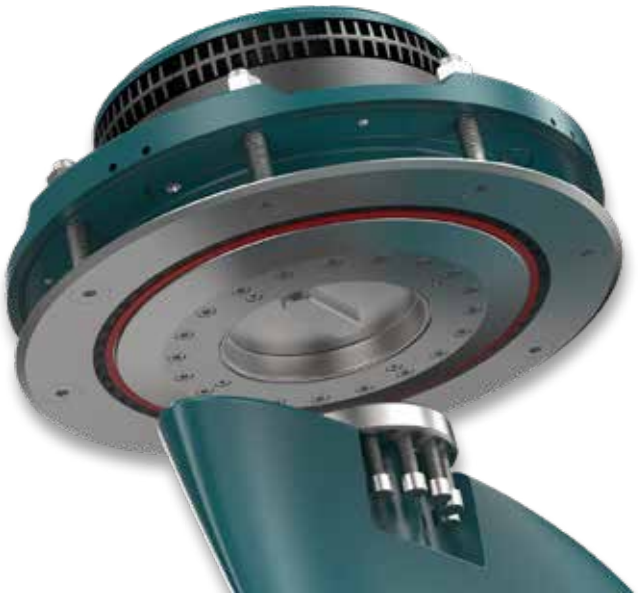
- **Dock Mode:** Limits fin movement to keep them closer to the hull, reducing risk of contact with docks or nearby boats when maneuvering in tight spaces.
- **Eco Mode:** Reduces power consumption to extend battery life during stabilization.
- **Dynamic Positioning Mode:** Prevents fin lock when reversing or holding position at low speeds, giving you better control.
- **Fishing Mode:** Automatically adjusts the fins to reduce strain during fast or forceful movement, even in standby.
- **Park Mode:** Moves the fins to a dedicated parking position for docking, different from the standard centered position used when stopping the system.

Tailored stabilization for every yacht

Sleipner offers a versatile range of Vector Fins stabilizers, engineered to meet the unique needs of yachts of all sizes. Our product line ensures that whether you have a compact cruiser or a luxury superyacht, there's a solution perfect for your vessel.

Technical highlights

- **Various fin sizes:** Designed to accommodate a wide range of yacht dimensions and displacement characteristics.
- **2- or 4-fin setups:** Configurable to operate seamlessly as integrated systems. The 2-fin setup is ideal for mid-sized yachts, while the 4-fin setup provides advanced stabilization for larger vessels.
- **Power options:** Available in multiple voltage configurations, including 24V, 48V, 230V single-phase, and 400V three-phase systems, to suit your yacht's electrical setup.
- **Robust materials:** Constructed using high-quality aluminum, composite, and stainless steel components for maximum durability in marine environments.



Actuators built for precision and efficiency

Renowned for their compactness and energy efficiency, Sleipner's electric actuators deliver unmatched stability control with minimal space requirements. Designed to fit even the most space-restricted engine rooms, they adjust fin positioning continuously using advanced algorithms, ensuring reliable stability in any sea conditions.

Key features

- **Compact design:** The slim profile allows for easy installation, even in tight spaces.
- **Efficient performance:** Energy-efficient design ensures optimal control without compromising power.
- **Built for durability:** A modular structure facilitates straightforward servicing and low maintenance costs.
- **Quiet operation:** Patented noise reduction technology ensures peace and quiet aboard.

Save energy without sacrificing performance.

Vector Fins™ V3-9
Actuators SPS40E

Vector Fins - an optimized solution for any vessel

Actuator Data Figures | DC Electric

Actuator model	SPS40E-24/48V	SPS50E-24/48V	SPS60E-24/48V	SPS70E-48V	SPS80E-48V	SPS90E-48V
Power supply (VDC)	24/48	24/48	24/48	48	48	48
Typical vessel size (m) – 2 fins	14 - 18	14 - 21	19 - 24	23 - 30	29 - 38	29 - 38
Typical vessel size (m) – 4 fins	18 - 26	18 - 26	30 - 40	35 - 50	45 - 60	45 - 60
Actuator weight (kg)	72	102	122	TBA	TBA	TBA
Hull thickness (mm)	50	55	60	80	105	250
Flange dia x height inside hull (mm)	Ø450 x 170	Ø471 x 171	Ø564 x 230	TBA	TBA	TBA
				Under development - expected availability:		
				Q2-2026	Q3-2026	Q3-2026

Actuator Data Figures | AC Electric

Actuator model	SPS60E	SPS70E	SPS80E	SPS90E	SPS100E	SPS110	SPS120E
Power supply (AC)	230(1Φ/3Φ) 400(3Φ)	230(1Φ/3Φ) 400(3Φ)	230(1Φ/3Φ) 400(3Φ)	230(1Φ/3Φ) 400(3Φ)	230(3Φ) 400(3Φ)	230(3Φ) 400(3Φ)	400(3Φ)
Typical vessel size (m) – 2 fins	19 - 24	23 - 30	29 - 38	29 - 38	36 - 45	36 - 45	TBA
Typical vessel size (m) – 4 fins	30 - 40	35 - 50	45 - 60	45 - 60	55 – 65	55 – 65	TBA
Actuator weight (kg)	118	187	296	462	490	571	571
Hull thickness (mm)	60	80	105	250	150	250	250
Flange dia x height inside hull (mm)	Ø564 x175	Ø614 x 256	Ø705 x 247	Ø705 x 247	Ø815 x 286	Ø815 x 286	Ø815 x 286

Recommended[1)] Vector Fins

Actuator model	SPS40E	SPS50E	SPS60E	SPS70E	SPS80E	SPS90E	SPS100E	SPS110E	SPS120E
Boat speed up to 23 knots	V3-9	V4-12	V3-14	V4-21	V3-23	V3-23	V5-31	V5-31	V5-39
Boat speed up to 30 knots	V4 - 10	V4-12	V4-15	V4-21	V4-26	V4-26	V5-31	V5-31	V5-39
Boat speed up to 35 knots	V4-8	V4-10	V4-15	V4-19	V4-26	V4-26	V4-26HS	V4-26HS	n/a
Boat speed above 35-40 knots*	n/a	V4-8HS	V4-12HS	V4-15HS	V4-21HS	V4-21HS	V4-26HS	V4-26HS	n/a

1) *The boats natural roll period must also be considered for maximim fin size per actuator.*

*) *For speeds above 40 knots, please contact Sleipner for support.*

August 2025