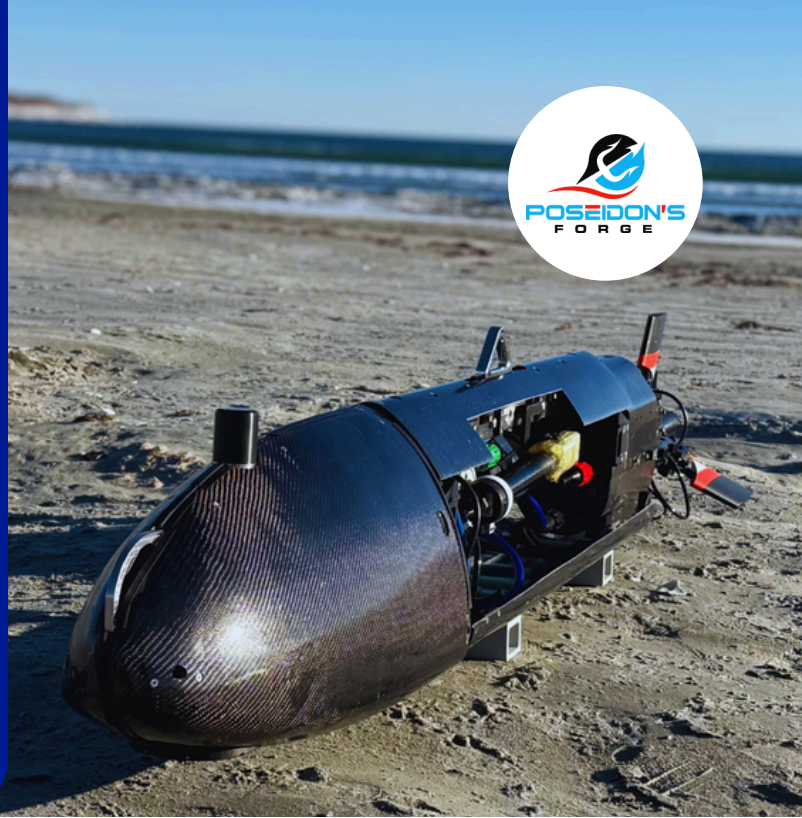




ECM PCB Stator Tech and Poseidon's Forge Announce New Partnership to Showcase Customized AUV Propulsion Innovation

Accelerating AUV Innovation Through Customized PCB Stator Propulsion



NEEDHAM, MASSACHUSETTS / [ACCESS Newswire](#) / March 3, 2026 / [ECM PCB Stator Tech](#), a U.S. leader in next-generation electric motor design innovation, today announced a new collaboration with autonomous underwater vehicle developer [Poseidon's Forge](#), bringing advanced propulsion solutions to this year's [Oceanology International exhibition in London](#).

Under the partnership, Poseidon's Forge will showcase an ECMpowered propulsion system built around ECM's patented PCB Stator motors on their new AUV, [DarkWake](#), during the event. This demonstration highlights how software-defined motor design and customized motor control deliver high fidelity, no electromagnetic interference (EMI), quiet operation, improved efficiency, and proven operational reliability for underwater platforms operating in demanding environments.

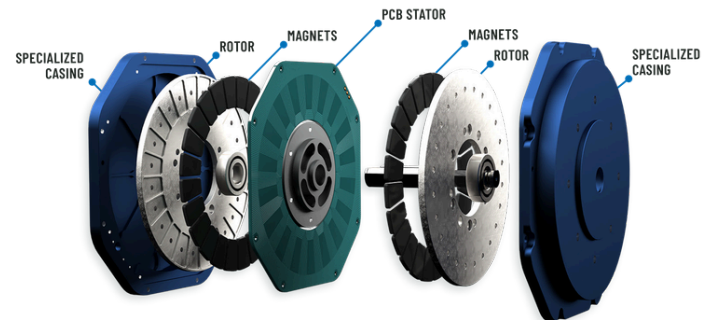
*"We're excited to partner with Poseidon's Forge to put a spotlight on how tailored motor design and control can elevate performance in the marine domain," said **Chris Fielding, Vice President of Applications Engineering at ECM**. "Matching PCB Stator motors to specific hull shapes and vehicle profiles delivers engineered reliability, extended battery life, and higher system efficiency. In underwater systems where maintenance access is limited and mission success is critical, reliability is not optional – it must be designed in from the start."*

CUSTOMIZATION MEETS MARINE INNOVATION

Poseidon's Forge selected ECM technology for its ability to:

- Deliver high-fidelity system performance with no acoustic signature or EMI, ideal for sensitive underwater operations
- Provide proven reliability in mission-critical environments
- Enable high energy efficiency, extending mission durations and battery life
- Support high-fidelity motion control for precision maneuverability
- Offer customized motor design tailored to vehicle geometry and operational requirements

*"Customization is central to our vehicle design philosophy," said **Daryl Slocum, Founder & CEO at Poseidon's Forge**. "Working with ECM allows us to ensure our AUV systems deliver the performance and efficiency required for demanding missions. With DarkWake, we're turning adaptability into a strategic advantage by enabling autonomous systems that scale, evolve, and expand what's possible underwater."*



ECM PCB STATOR MOTOR

SEE IT LIVE IN LONDON

Attendees of [Oceanology International](#), held March 10-12 at Excel London, can visit the [Poseidon's Forge booth A203](#) to see the ECMpowered propulsion solution on display and learn how software-driven motor design accelerates development and integration for next-gen underwater systems.

This collaboration underscores the growing adoption of ECM's PCB Stator motors beyond traditional industrial and automation sectors into marine and exploration platforms, where reliability, efficiency, and precision control are mission-critical.

ABOUT ECM PCB STATOR TECH

ECM PCB Stator Tech delivers the only full-stack platform for electric motor innovation, empowering partners to design, prototype, and optimize next-generation PCB Stator motors with precision and speed.

With PrintStator Motor CAD and patented axial flux hardware, ECM enables compact, efficient, quiet motors that:

- Use up to 80% less raw material
- Weigh up to 70% less than traditional motors
- Achieve efficiencies in excess of 90%
- Eliminate cogging with low EMI and minimal acoustic signature
- Enable vertical integration and advanced supply chain control

Learn more at www.pcbstator.com

ABOUT POSEIDON'S FORGE & DARKWAKE

Poseidon's Forge is a U.S.-based developer delivering build-to-suit AUVs that adapt as missions evolve. Powered by AI-driven optimization and backed by over a century of combined expertise, the company enables flexible, high-performance solutions for commercial and defense use.

DarkWake, Poseidon's Forge's AUV, delivers adaptable autonomy and operational agility at scale. By combining advanced autonomy with rapid-swap modules, it reduces complexity, cost, and deployment time while providing mission-ready performance for defense and commercial operations.

Learn more at www.poseidonsforge.com