



APPLESTAR PRODUCTIONS

STICKY LEARNING

JEAN MARRAPODI, PHD, CPLP

TEACHER BY TRAINING... LEARNER BY DESIGN

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RE: Educational Endorsement and Curriculum Development Support for Electric Marine Propulsion Programs

To Whom It May Concern,

I am pleased to provide this letter of educational endorsement in support of THE CENTER FOR ELECTRIC MARINE INNOVATION INC. ("CEMI") and its mission to educate, demonstrate, and accelerate the safe adoption of electric propulsion within the marine industry.

As Education Lead for CEMI, my role is to translate the Center's real-world demonstration projects, technical data, and operational findings into structured, accessible, and evidence-based educational curricula. This includes the development of learning materials suitable for a broad audience—ranging from recreational boat owners and marine technicians to marina operators, first responders, educators, and policymakers.

CEMI's hands-on vessel conversion projects, including electric repowers using commercially available propulsion systems and battery technologies, provide a rare and valuable foundation for applied learning. These projects generate authentic operational data related to system performance, energy consumption, range planning, charging practices, safety protocols, and maintenance considerations. This real-world data will be central to the curriculum development process, ensuring that instructional content reflects current technology, realistic use cases, and best practices rather than theoretical assumptions.

The educational curriculum under development will emphasize:

- Fundamentals of electric marine propulsion systems, including motors, controllers, batteries, and supporting electrical infrastructure
- Operational safety and risk mitigation, including battery management, charging procedures, and emergency response considerations
- Performance and efficiency analysis, using real vessel data to explore range, speed, and energy tradeoffs
- Practical implementation pathways, addressing how electric propulsion can be responsibly adopted across different vessel types and use profiles

From an instructional design perspective, CEMI's approach enables the creation of modular, scalable learning assets that can be adapted for workshops, digital learning environments, public demonstrations, and workforce development initiatives. The Center's commitment to transparency, safety, and technical accuracy strongly aligns with accepted best practices in adult learning and professional education.

Based on my professional assessment, I believe CEMI is well positioned to produce high-quality educational resources that will meaningfully contribute to workforce readiness, public understanding, and informed decision-making around electric marine propulsion. I fully support CEMI's educational objectives and the use of grant funding to advance this work.

Please feel free to contact me if additional information regarding the educational framework or curriculum development approach would be helpful.

Sincerely,

Jean Marrapodi, PhD, CPTD
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