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Press Release



The Enhydra is the WorkBoat 2018 Boat of the Year

Bellingham, WA, December 4, 2018: All American Marine, Inc. is pleased to announce that this past week at the International WorkBoat Show in New Orleans, [The Enhydra](#) was named as the vessel of the year for 2018. Voted on by the general public out of 10 finalists, the aluminum hybrid-electric monohull received over 1900 votes and is a testament to the innovative design and performance of this cutting-edge vessel.

The 128-foot LOA aluminum monohull with a 30' beam was designed by Nic de Waal of Teknikraft Design in Auckland, New Zealand, and built by All American Marine in Bellingham, WA. The Enhydra is currently the largest lithium-ion battery electric hybrid-powered vessel in North America built under "USCG Subchapter K" certification.

The 600-passenger vessel built for the Red and White Fleet, is specifically designed for harbor tours of San Francisco Bay and the Golden Gate Bridge. Guests on board the Enhydra can experience views of the bay and cityscape from all three decks, each complete with their own convenient snack bar. The second level offers a full, wrap-around viewing deck with access to the enlarged-bow foredeck. Entirely open, the top deck offers ample outdoor seating for those on board. All with nearly silent operation while running under battery power.

All American Marine partnered with BAE Systems to design and integrate the complete electric hybrid system. BAE supplied their HybriDrive propulsion system that includes a generator, propulsion power converter, house load power supply and control system. "The system is fully automated, assessing the power loads, both hotel loads and propulsion loads, and completely manages the use of available power," said Joe Hudspeth, BAE's marine marketing manager. "It

draws upon the batteries as much as possible until it needs additional power from the diesel generators." BAE Systems' HybriGen system has lower engine operating hours and is more streamlined than a conventional drive, requiring fewer parts, thus resulting in savings in both fuel consumption and maintenance costs. BAE's variable-speed generators also serve as starting motors for the two Cummins QSL9 diesel engines, rated at 410-hp each and operated with biofuel. Inherent in the Enhydra's design is the ability to expand the size of the batteries to reach zero-emissions operations in the future as charging infrastructure advances and battery technology improves.

Typically known for their high-speed and hydrofoil assisted catamarans, All American Marine has recently moved into a new state-of-the-art facility, enabling them to expand into the dinner cruise and tour market by building larger monohulls. Utilizing their innovative designs and unique partnerships to develop a highly specialized vessel for the Red and White Fleet has further entrenched AAM as being on the cutting edge of vessel design and manufacturing. This commitment to innovation has begun helping Tom Escher's (of the Red and White Fleet) dream of zero carbon footprint become a reality.

Founded in 1892 and one of the oldest businesses operating in the San Francisco Bay area, historic Red and White Fleet is committed to environmental sustainability and community education. The Enhydra will not only be more sustainable in fuel consumption, but it will also lessen impact on local marine life. Electric motors are noticeably quieter than alternative diesel engines, resulting in less noise and vibration, and an overall environmental footprint of nearly zero.

The Enhydra is a pioneering collaboration. "We are proud to introduce such a large-capacity hybrid technology vessel and working with such great partners such as Red and White Fleet and BAE Systems to develop and build the boat of the future," All American Marine CEO Matt Mullett said. "All American is working to stay at the forefront of the decarbonization movement in the maritime industry, and the lithium-ion hybrid electric propulsion system on the Enhydra is a step in the right direction."

The Enhydra is the second monohull produced from the new All American Marine facility on Bellingham Bay, the first the [Salish Explorer](#), a 500 passenger dinner-cruise boat operating out of Seattle for Argosy Cruises.