



April 27, 2010

PRESS RELEASE

The **BRAtt** World Debut

Robert Allan Ltd., Western Maritime Institute and Corvus Energy Limited are very pleased to announce the signing of a contract for the design and construction of the world's first "Green" Training Tugs at the International Tug & Salvage (ITS 2010) Conference, to be held in Vancouver in May 2010. Western Maritime Institute (WMI) is an accredited marine training institute located near Ladysmith on Vancouver Island, providing a wide range of operational and safety training courses for marine personnel at all levels. WMI is scheduled to take delivery of two **BRAtt** class training vessels, one fully electric and one hybrid-electric in 2011. This will coincide with the introduction of its DNV certificated, advanced tug and pilot ship-handling courses, offering to the tug operators of the world the first such commercially certified training program with an international focus. WMI will be the first such institute anywhere in the world with dedicated Z-drive training vessels.

The **BRAtt** training tugs are the brainchild of Ron Burchett and Robert Allan Limited, the result of a collaboration that recognized the global need for cost-effective Z-drive training vessels for today's commercial and naval ship Masters. These vessels are designed exclusively by Robert Allan Ltd, Naval Architects of Vancouver, and will be built by Adrenalin Marine Ltd of Delta B.C., which has been selected as the licensed builder for all **BRAtt**s in North America. The very first **BRAtt**, a direct diesel-powered version, will be on display at **ITS 2010**, and will be available for demonstration to all ITS registrants. The 7.8 metre long, 450 horsepower **BRAtt** features most of the same technology and operating systems as its full-size sister Z-drive tugs, so that operators can be trained to safely handle the more expensive and larger tugs that have become common in the world's major ports, without putting those major assets at risk. Although primarily intended as a training vessel, the **BRAtt** is also designed to be an affordable alternative to full-sized tugs for harbour duties such as boom deployment, yarding, and line-handling etc.

Corvus Energy designs and manufactures Lithium-ion battery systems for vessels from the size of a **BRAtt** to commercial ocean-going vessels. Corvus has developed the electrical propulsion power systems for

both these vessels in close collaboration with Robert Allan Ltd., to be able to offer the best of both worlds, one fully emission free, electric- powered vessel and one fuel-efficient, diesel-electric hybrid vessel. By incorporating Corvus' battery technology, WMI has made a strong statement that the future of the commercial marine industry is tied to a commitment to the environment and the reduction of pollution and harmful emissions. With Corvus batteries and systems, the reality of safer, more environmentally friendly vessels are here today.

For more information on the **BRAtt** training vessels, contact Robert Allan Limited at: www.RAL.ca or rgallan@ral.ca

For more information on the training Classes offered by Western Marine Institute, contact: www.maritimeed.com or Bob.Kitching@maritimeed.com

For more information on Hybrid and Electric Vessel systems and Lithium Ion Marine Batteries, contact: www.corvus-energy.com or bperry@corvus-energy.com.