

# Hyde Marine Partners With A Rapid Compliance Company for Hyde GUARDIAN Gold® Ballast Water Treatment System

## Agreement With Bactest Expands Hyde Marine's Commitment to Helping Ship Owners Meet Ballast Water Treatment System Goals

PITTSBURGH, PA - September 6, 2016 - [Hyde Marine](#), a trade name of Calgon Carbon Corporation's (NYSE: CCC) UV technologies, today announces a new, non-exclusive, partnership with Bactest, Ltd, allowing Hyde Marine to sell rapid compliance tools with their Hyde GUARDIAN Gold® Ballast Water Treatment Systems (BWTS). This partnership helps ensure ship owners using the chemical-free Hyde GUARDIAN Gold® BWTS are adhering to ballast water treatment standards and are able to demonstrate this compliance to Port State Control officers.

According to Mark Riggio, Senior Market Manager for Hyde Marine, who made the announcement as part of the company's exhibition and attendance at the 2016 [SMM Hamburg Maritime Trade Fair](#), September 6-9, the addition of [Bactest](#) further augments Hyde Marine's commitment to providing a comprehensive ballast water solution for ship owners.

"As the IMO ballast water convention regulation moves closer to implementation, it will be important for ship owners to understand how to comply with ballast water requirements. With the addition of the Bactest Speedy Breedy® SeaSure™ to our portfolio, we will be able to provide owners a rapid tool to validate ballast water treatment."

Riggio added the market has long questioned the robustness of Type Approval testing under the IMO G8. Owners are concerned about whether or not their equipment will perform for the life of the ship. Now they will have a way to monitor that performance and demonstrate that performance to any interested parties. "We have been working with the compliance community since the beginning, and it is good to be able to provide more than a paper guarantee that our system is working," Riggio said.

Bactest, Ltd, based in Cambridge, UK, has developed an integrated ballast water testing system "Speedy Breedy® SeaSure™" that tests ballast water for microbial compliance to the D2 standard and inputs data from other ballast water testing equipment into a secure Ballast Water Log suitable for audit trail and transmission to interested parties such as port state authorities. Bactest has designed a secure output to allow this Ballast Water Log to be downloaded onto the Hyde GUARDIAN Gold® system log to store the data and provide a one-stop log for regulators to assess treatment system performance.

Speedy Breedy® SeaSure™ is the only instrument on the market that can be

used on ships or in port to test for compliance with the IMO standard for the 3 bacteria set out in the standard: Cholera, E.Coli and Enterococci.

The Hyde GUARDIAN Gold® BWTS uses efficient filtration and ultraviolet disinfection to treat ships' ballast water to prevent the spread of invasive species from port to port.

Hyde Marine is one of the world's leading ballast water treatment (BWT) technology companies with more than 460 orders for its ballast water treatment system. Visit [www.hydemarine.com](http://www.hydemarine.com) for more information.

Visit Hyde Marine at SMM Hamburg, Hall A1 - Booth 417 to see the units and learn how they will change the way ballast water compliance is viewed.

### **News Release**

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### **About Calgon Carbon Corporation**

Pure Water. Clean Air. Better World.

Calgon Carbon Corporation (NYSE:CCC) is a global leader in innovative solutions, high quality products and reliable services designed to protect human health and the environment from harmful contaminants in water and air. As a leading manufacturer of activated carbon, with broad capabilities in ultraviolet light disinfection, the Company provides purification solutions for drinking water, wastewater, pollution abatement, and a variety of industrial and commercial manufacturing processes.

### **About Hyde Marine**

With more than 100 years in the maritime industry and pioneering development of ballast water treatment technologies, Hyde Marine, as part of Calgon Carbon UV Technologies, LLC, has become the leading U.S. manufacturer and educator regarding regulations, technologies, installation experiences, and challenges facing this sector. Since its initial launch in 1998, the Hyde GUARDIAN® BWTS has rapidly emerged as an industry leader featuring mechanical separation followed by UV disinfection - with more than 460 Hyde GUARDIAN units sold to date for installation in various ship types and sizes around the world. Calgon Carbon UV Technologies LLC d/b/a Hyde Marine. [www.hydemarine.com](http://www.hydemarine.com)

*This news release contains historical information and forward-looking statements. Forward-looking statements typically contain words such as "expect," "believe," "estimate," "anticipate," or similar words indicating that future outcomes are uncertain. Statements looking forward in time, including statements regarding future growth and profitability, price increases, cost savings, broader product lines, enhanced competitive posture and acquisitions, are included in the company's most recent Annual Report pursuant to the "safe harbor" provision of the Private Securities Litigation Reform Act of 1995. They involve known and unknown risks and uncertainties that may cause the company's actual results in future periods to be materially different from any future performance suggested herein. Further, the company operates in an industry sector where securities values may be volatile and may be influenced by economic and other factors beyond the company's control. Some of the factors that could affect future performance of the company are higher energy and raw material costs, costs of imports and related tariffs, labor relations, availability of capital and environmental requirements as they relate both to our operations and to our customers, changes in foreign currency exchange rates, borrowing restrictions, validity of patents and other intellectual property, and pension costs. In the context of the forward-looking information provided in this news release, please refer to the discussions of risk factors and other information detailed in, as well as the other information contained in the company's most recent Annual Report.*



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