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MARITIME REPORTER AND ENGINEERING NEWS

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Green Marine

**& the path to
Zero Emissions**

Interview

VADM Satoshi Nakajima
Vice Commandant for Operations
Japan Coast Guard

Training

Maritime Simulation Grows

Marine Fuel

Alternatives Gain Steam



BioCorr Receives EU Trademark

Cortec Corporation said that its biobased and biodegradable rust preventative, BioCorr, received registered trademark approval from EU's Office of Harmonization. BioCorr is a water-based, ready-to-use formulation intended for preservation of metals in storage and during transportation. This innovative solution is formulated with renewable raw materials and contains 64% biobased content. It provides multi-metal corrosion protection by combining film-forming additives with Vapor phase Corrosion Inhibitors (VpCIs). This ready-to-use formulation can provide protection for up to two years of indoor storage or during shipments. Water-based BioCorr leaves a dry film on the surface of the metal that is virtually undetectable. This feature helps to create a clean workplace and prevent material waste. BioCorr does not contain any chlorinated compounds, chromates or nitrites.

www.cortecvci.com

Marine Solar Power Product Range

Eco Marine Power (EMP) finalized its range of marine solar power solutions and related products. The solutions include Aquarius Marine Solar Power and Aquarius MAS + Solar in addition to standalone products such as class-approved marine batteries and marine solar panel frame kits. These products and solutions are suitable for use on ships, offshore platforms and coastal applications.

A marine solar power solution from EMP is an integrated class-accepted system that may include a marine computer, battery chargers, batteries, marine-grade solar panels plus interfaces to other equipment and sensors. Each solution can be designed and scaled to suit a wide variety of ships including passenger ferries, cruise ships, tankers, bulk ore carriers and offshore support vessels. Aquarius Marine Solar Power is basically a stand-alone solar power system which is not integrated

with other shipboard systems but provides a DC output which can be connected to a DC load or via an inverter to an AC load.

Aquarius MAS + Solar includes all the elements of the Aquarius Marine Solar Power solution plus additional hardware and interfaces to fuel flow meters, GPS and other equipment on a ship. This allows the system to record fuel consumption, calculate emissions and monitor main engine revolutions, generator output and a range of other equipment. It can also be expanded to include KEI 3240 Data Logger functions. An Aquarius Marine Solar Power or Aquarius MAS + Solar package is suitable for new-building projects and can also be retrofitted to existing vessels.

In cooperation with strategic and technical partners, Eco Marine Power also offers a range of marine solar power products and services for ships and marine use including:

- Flexible marine grade solar panels designed for use on ships and other vessels.
- Solar Panel & Frame for Ship Use
- Marine Solar Panel and Frame

Eco Marine Power along with KEI System, The Furukawa Battery Company and Teramoto Iron Works will exhibit the complete range of marine solar power solutions and products at Sea Japan 2016 in Tokyo in April.

MAGS

Terragon's Micro Auto Gasification System (MAGS) is a simple and compact appliance for the conversion of shipboard garbage and sludge oils into energy. MAGS uses Terragon's patented Auto Gasification process to break down waste, and reduce its volume by over 95%. The system produces its own fuel, outputs approximately 110 kW of thermal energy while using only 22 kW, and has extremely clean emissions, meeting the most stringent regulations worldwide. MAGS has the operational, environmental, and most importantly, economical benefits ship-owners and operators demand in today's challenging market conditions. Reduce your costs from shore disposal and traditional shipboard incinerators.

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