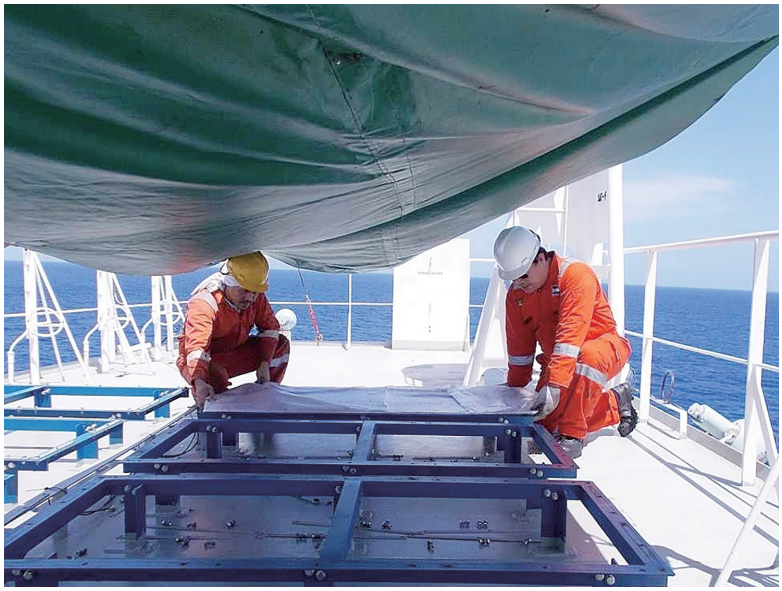
Eco Marine Power's Renewable Energy System Installed on Cargo Ship

An innovative ship solar power system developed by Eco Marine Power (EMP) has recently been installed on the large general cargo ship MV Panamana. The installation work was carried out by the ship's crew with remote support provided by Zeaborn Ship Management (Singapore) Pte. Ltd. and EMP in Japan. All work was carried out as the ship operated normally with much of the installation done while the ship was at sea.

MV Panamana is a 54, 694 metric tonne (MT) open hatch general cargo/container carrier with 2 x 70 MT gantry cranes. The ship is owned by Masterbulk Pte. Ltd. (Singapore) and was built in Japan by Oshima Shipbuilding Co. Ltd.

The equipment installed on the ship includes a class-approved hybrid battery pack manufactured by Furukawa Battery Co. Ltd., battery charging equipment, flexible marine-grade photovoltaic (PV) panels with special mounting frames and the Aquarius Management and Automation System (MAS). Of particular note is that for this project the complete system was sent as installation kits and this allowed for the crew to install the equipment without the need of specialized tools and with technical support provided mainly online or via e-mail.



Special marine-grade solar panel mounting frames and battery racks were manufactured in Onomichi, Japan, by Teramoto Iron Works and it is the first time these have been used on a ship.

EMP's solar power solution can be used on almost any type of ship and is a clean source of energy that can also be utilized as a source of emergency power

For more information please visit: www.ecomarinepower.com or follow updates on twitter via @EcoMarinePower

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