

TEHCROSS NEWS

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Providing Right Solutions For Your Ships

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News 01. Establishment of ECS Training Course in India

TEHCROSS has produced ECS (Electro-Clean™ System) operating manuals, video guides, and troubleshooting booklets over several years to provide more complete understanding of ECS for ship crew. Operating the equipment properly is highly important on vessels as it is directly connected to ship crew's safety. With regard to crew training, TEHCROSS has now installed their fully operational ballast water management system at the AEMA (Anglo Eastern Maritime Academy) which is located near Mumbai, India. This training center is in addition to the first training center at the TEHCROSS Test Barge in Masan, South Korea.

Anglo Eastern recognized that training of the crew is one of the most critical factors in achieving a safe, economical, and profitable operation of a vessel. TEHCROSS, being in strong agreement with this opinion, agreed to install a full-scale ECS150-B x 1 set model at the AEMA, and assist in creating an ECS training course for the purpose of training and educating the ship crew on not only the operation, maintenance and troubleshooting of the TEHCROSS system, but also in regards to providing updated information on the BWM industry regulations. TEHCROSS engineers completed installation and commissioning of the system in August 2015, including conducting the first official training session for Anglo Eastern faculty members and Techcross' local service partner engineers. This training facility will be open to all TEHCROSS customers.



Event Schedule

Public Event

- October 20 ~ 23 (Busan, Korea)
: Kormarine 2015
- December 1 ~ 4 (Shanghai, China)
: Marintec China 2015
- December 8 ~ 9 (London, UK)
: BWMTech Conference London

TEHCROSS Event

- October 22, 2015
: TEHCROSS New Factory Opening Ceremony

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News 02. TECHCROSS to Sign Additional MOU for BWMS Partnership

TEHCROSS, one of the leading companies in the field of ballast water management systems, is preparing to sign an MOU (Memorandum of Understanding) for ballast water management system partnership in the near future with one of the leading shipyards in India.

This shipyard was incorporated as a fully owned Government of India company. In the last few decades, the shipyard has emerged as a forerunner in the Indian Shipbuilding & Ship repair industry. This shipyard has received numerous shipbuilding orders from internationally



enowned companies especially from Europe & the Middle East. TECHCROSS and this shipyard, by signing this MOU, will share the common purpose in providing up-to-date information, technical service, and preferential pricing.

TEHCROSS has now signed MOU's with Keppel Shipyard in Singapore and Drydocks World Dubai, to further broaden their global network for better service.

News 03. Award at the 12th Shipbuilding & Offshore Korea 2015

A commemoration day for Shipbuilding & Offshore was established on September 15, 1997 to celebrate the accumulated contracts of 10,000,000 tonnage. During this year's 12th anniversary, Kim Dae-Won, General Manager of the TECHCROSS Development Department, won a commendation from KIPO (Korean Intellectual Property Office). He has proven significant contribution in the development of the ballast water management system to protect the marine environment.

More than 300 persons in the marine and offshore industry gathered at the Intercontinental Seoul Coex Hotel to celebrate the 12th Anniversary which was hosted by KOSHIPA (Korea Offshore & Shipbuilding Association). They pledged to continue growth even during this economic depression.



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Regulations 01. USCG MSC Register of Received LOI's

The USCG (United States Coast Guard) MSC (Marine Safety Center) has posted a list of manufacturers who have submitted an LOI (Letter of Intent), to pursue Type Approval for their BWMS. The LOI notifies the USCG of each manufacturer's intention to conduct testing and submit a Type Approval application. As of September 18, 2015, the USCG has received 30 LOI's. A List of the manufacturers who submitted a LOI is as follows:

*As of September 18

*Manufacturer (Date Received)

Alfa Laval PureBallast (08/13/2012), BIO-UV (03/27/2015), COSCO (Weihai) Shipbuilding Marine Technology Co., Ltd (08/11/2015), Coldharbour Marine (05/28/2015), Cyeco Environmental Technology Co., Ltd. (08/25/2015), Desmi Ocean Guard A/S (02/07/2013), Eaton (03/12/2014), Ecochlor, Inc. (12/04/2014), Elite Marine Ballast Water Treatment System Corp. (08/10/2015), ERMA First Esk Engineering Solutions (10/01/2014), Evoqua Water Technologies LLC (10/16/2014), Headway Technology Co., Ltd (08/13/2014), Hyde Marine (03/02/2015), JFE Engineering Corporation (11/18/2014), KSB Aktiengesellschaft (07/11/2014), Miura Co., Ltd. (07/17/2015), NK Company Limited (05/11/2015), NEI Treatment Systems, LLC (02/06/2015), Oceansaver AS (12/17/2014), Optimarin AS (10/16/2014), Panasia Co., Ltd. (12/09/2013), Samsung Heavy Industries Co., Ltd (06/24/2015), Semb-Eco Pte. Ltd. (08/24/2015), Severn Trent DeNora (03/25/2015), Sunrui Marine Environment Engineering Co., Ltd. (02/03/2015), Techcross Inc. (ECS HYCHLOR) (07/20/2015), Techcross Inc. (Electro-Cleen) (09/04/2015), Trojan Marinex (04/28/2014), Wartsila Water Systems Ltd. (04/17/2014), Wuxi Brightsky Electronic Co. (04/29/2015)

Regulations 02. Status of BWM Convention Ratification

As of September 22 (with Georgia's recent ratification), 44 countries representing 32.86% of world tonnage have ratified the BWM (Ballast Water Management) Convention. The BWM Convention shall enter into force 12 months after the date on which more than 30 states and the combined merchant fleets of which constitute more than 35% of the gross tonnages of world's merchant fleets have ratified.

< Status of Convention >

Albania, Antigua & Barbuda, Barbados, Brazil, Canada, Congo, Cook Islands, Croatia, Denmark, Egypt, France, Georgia, Germany, Iran, Japan, Jordan, Kenya, Kiribati, Lebanon, Liberia, Malaysia, Maldives, Marshall Islands, Mexico, Mongolia, Montenegro, Netherlands, Nigeria, Niue, Norway, Palau, Republic of Korea, Russian Federation, Saint Kitts and Nevis, Sierra Leone, South Africa, Spain, Sweden, Switzerland, Syrian Arab Republic, Trinidad and Tobago, Tonga, Turkey, Tuvalu



Electro-Cleen™ System keeps our marine ecosystem safe and clean.

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