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# **TECHCROSS NEWS**

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Providing Right Solutions For Your Ships

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## News 01. The 16th Anniversary of TECHCROSS

TECHCROSS, the leading company in ballast water management system industry, celebrated its 16th Foundation Day with special sport activities and commemorative celebration event together on May 25, 2016. It was very memorable ceremony given that it was the first Foundation Day ceremony since TECHCROSS established new plant in Busan last year.

At the sport acitivites, all employees were actively engaged and participated in activities which allow all Techcrossian to have a closer relationship and teamwork. All employees had a wonderful time full of joy with fair play in cooperating with each other during the sporting activities and a chance to build a concrete teamwork, while all celebrating TECHCROSS' 16th Foundation Day.



On the same day, TECHCROSS hold a ceremony to proclaim TECHCROSS' mission and vision with core values. As these values have been decided upon by all employees of TECHCROSS, all employees promised to do their utmost to ensure that these values can be fully incorporated into the operation of this organization and the exercise of duty. The results are as follows; Mission "Contribute to humanity and environment through convergence of technology and human". All employees vowed to be committed to a better company based on the mission at the ceremony.

TECHCROSS are keen to make the 2nd landmark leap taking opportunity of the company 16th anniversary with the announcement of TECHCROSS Values and the foundation of new factory.





#### **Event Schedule**

#### **Public Event**

- September 6 ~ 9, 2016
- : SMM 2016 / Hamburg, Germany
- September 27 ~ 28, 2016
- : Prevention First 2016 / CA, USA
- September 27 ~ 29, 2016
- : BWMTech North America / Miami, USA

#### **TECHCROSS Event**

- July 1, 2016
- : Quarterly Meeting
- July 28 ~ August 7, 2016
- : Summer Holidays



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# News 02. Final Approval Application Submitted for ECS-HYCHEM™ System

To achieve IMO final approval for ECS-HYCHEM<sup>TM</sup>, one of the TECHCROSS' new systems, TECHCROSS submitted all the relevant documents to IMO MEPC in May for the review of GESAMP.

ECS-HYCHEM™ System is designed to treat ballast water using filtration and a chemical disinfectant called NaDCC. The system is expected to attract the owners who have existing vessels with limited space to accommodate BWMS as it has an advantage due to its compact size.

Besides, ECS-HYCHLOR™ System, another new system with indirect electrolysis technology, had been granted IMO final approval at MEPC 69th meeting in April, 2016 and has been on the process of the USCG type approval, while ECS-HYBRID™ with combined disinfection technologies was also IMO basic approved last year.

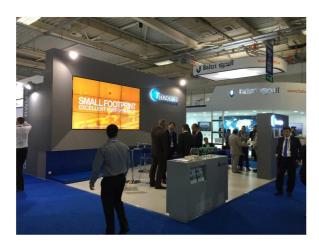
To diversify our line-up is in line with various demands from clients who are in need of the most suitable system to their specific fleets. TECHCROSS, as the "Total BWMS Solution Provider", will be the only company capable to offer various treatment options for customers since it has been specialized only in BWMS for such a long time. TECHCROSS will thrive on all the products to best meet the customers' needs sweeping their concerns on BWMS.

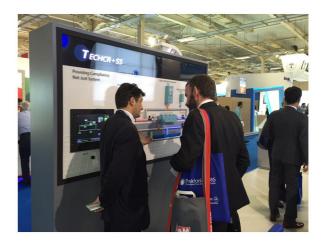
## News 03. Participation in Posidonia 2016

Posidonia, one of the most prestigious and largest maritime exhibitions was held from 6th through 10th June. Having attracted many visitors from shipbuilding, offshore and plant, academic institutions into the venue called Metropolitan Expo, it set new records in terms of the number of exhibitors (1,800 from 90 countries) and visitors (22,000) in spite of the long-standing recession in shipping and shipbuilding industries.

TECHCROSS, a leading global company, in BWMS industry was allocated an independent stand with No. 3.405/Hall 3 and could make visitors feel at home with more spacious arrangement compared to the last stand run jointly with Greek agent. Furthermore, there is a general consensus that the simple but unique booth design on the whole played a role to raise awareness among visitors regarding TECHCROSS and its product identity.

The daily average 200-300 people visited TECHCROSS stand and showed outsize interest in our contracts for 1,000 ship sets as the world's the first record in this industry and TECHCROSS participants did all the hard work to keep the spur for the remarkable market share in Greece. If you missed the opportunity to drop by ours stand at Posidonia, please come and visit us at SMM in Hamburg this September.







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## News 04. MOU for BWMS Partnership with Astican

TECHCROSS and Astican singed MOU for installation of BWMS on May 20, 2016. Astilleros Canarios, S.A. (Astican), founded in 1973 and became fully operative in 1976, is a privately owned shiprepair yard in Spain whose main activity is the repair, maintenance and conversion of all kind of vessel. Astican's modern installations, particularly its lifting platform drydocking system and skilled workforce, respond to the quality and service that shipowners demand according to the strictest international standards. Astican recognized a need to support its customers before and after BWM Convention takes effect. They believe that good and effective communication and cooperation with selected BWMS providers will be critical towards providing such support.

The purposes of MOU are to provide accessible, accurate and up-to-date information to ship owners, managers or other customers of Astican which has or may have a need for BWMS installation on any of their vessels, increase the confidence of Astican customers in the product, and to reinforce and/or improve on Astican's capability in retrofitting the BWMS into their vessels.

## News 05. Events in September

TECHCROSS are scheduled to meet the clients through various events in upcoming September.

First of all, SMM 2016 (6th to 9th September, 2016), the largest maritime exhibition in the world, will take place in Hamburg, Germany. TECHCROSS stand will be located in Hall A1.329 which is same place as the last time. More importantly, TECHCROSS will have the opportunity to showcase new system in public for the first time and it will be for sure to attract enormous attention on the new product from clients.

In addition, TECHCROSS as one of the sponsors are supposed to attend 2 conferences in the US. First one is Prevention First 2016 (27th to 28th September, 2016) which is a biennial academic and technical symposium hosted by the California State Lands Commission and is intended for experts from academia, industry and government to exchange information and come up with countermeasures and solutions for the protection of Californian onshore and offshore from pollution. TECHCROSS is also taking a part in BWM Tech North America (27th to 29th September, 2016) in the US which is regarded as the major BWM related conference in the region attracting personnel from government, makers, shipowners and shipbuilders. The theme of this year is "Developing current technology and improving BWMS efficiency, Progress with Type Approval Applications, and etc.". TECHCROSS plans to participate as a panel during "Manufacturers' Question Time" on the 2nd day and answer all the clients' queries.

If you have any questions related to these events, please feel free to contact us at e-mail, inquiry@techcross.com.

### Regulations 01. Status of BWM Convention Ratification

Peru ratified the BWM Convention on June 10, 2016. Ambassador of Peru to the United Kingdom, H.E. Mr. Claudio de la Puente Ribeyro, handed over the instrument of accession to IMO HQ London. This brings the number of states party to the BWM Convention to 51, representing 34.87% of the world's merchant fleet tonnage. The BWM Convention shall enter into force 12 months after the date on which not less than 30 countries and the combined merchant fleets of which constitute not less than 35% of the gross tonnages of the world's merchant fleets have ratified.

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

