

ASMI News

2015 3RD QUARTER
MCI(P) 110/12/2014

Newsletter of the Association of Singapore Marine Industries

Marine and Offshore Challenge - Industry Outreach to Secondary Schools



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MARINE & OFFSHORE CHALLENGE 2015 – AN INDUSTRY OUTREACH PROGRAMME FOR SCHOOLS

feature

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13 schools took part in this year's Marine and Offshore Challenge (MOC), an inter-school competition for secondary schools. The industry outreach programme was organised by ASMI and Ngee Ann Polytechnic's Mechanical Engineering Division on 22 July 2015 at the polytechnic's convention centre.

The ninth edition of MOC was participated by some 200 students and 20 teachers. The event was supported by the Singapore Maritime Foundation.

MOC 2015 comprised two competitions – Water Grand Prix and Marine Quiz, as well as an exhibition on the marine and offshore industry.

The Water Grand Prix competition challenged students to design and build the fastest water craft model and the most innovative water craft model. The challenge over the years had seen teams of students designing and building vessels ranging from standard ship shape and twin hull water crafts to amphibious vessels and semi-submersible rigs. The models were constructed by the students using recycled materials, and with standard propulsion sets issued by the organisers.

This year, 28 teams from nine schools had the task of building a monohull ship model. The teams of four students each were given two attempts at the preliminary round to

put their 'creation' to the test – to complete the race in a 6-metre long water course in the fastest time. The top 12 teams with the fastest timings during the preliminary round advanced into the semi-finals. At the semi-final round, each team had only one attempt to vie for the top two spots in the Finals.

Prior to the start of the preliminary race, judges from ASMI and Ngee Ann Polytechnic went through the 28 entries to select the 'Most Innovative Water Craft' model created by the teams. The two judges were Mr Patrice Mauger, ASMI Honorary Secretary and Chairman of ASMI Productivity and Innovation Committee, and Mr Wong Foo Sang, Senior Lecturer, Mechanical Engineering Division, Ngee Ann Polytechnic.

Woodlands Ring Secondary School swept the top 3 prizes in the 'Fastest Water Craft' Award category when three of its teams - WRS 1, WRS 3 and WRS 5 - clocked the fastest timings in the field of 12. Alpha 3 from Peirce Secondary School took home the 'Most Innovative Water Craft' Award.

The second contest - the Marine Quiz, saw 19 teams from nine schools competing against one another with their knowledge of the marine & offshore and maritime industries. Each team comprised three members.

There were three rounds in the competition to determine the Quiz champion – Preliminary, Semi-Final and Final. The top six teams with the highest scores from the preliminary round proceeded to the next round. The top three semi-finalists then went on to compete in the Finals in front of a 'live' audience of teachers, students and guests from the industry.

Amidst the high tension and adrenalin-packed ambience in the Quiz Finals, Argonauts from Woodlands Ring Secondary School emerged as the Marine Quiz Champion. Zheng He from Woodlands Ring Secondary School came in second and TKGS 1 from Tanjong Katong Girls' School were in third position.

Besides the two competitions, there was also a mini exhibition showcasing the industry's strengths, capabilities and transformation to raise the students' awareness of the industry. The exhibits also included small jack-up rig, semi-submersible rig and ship models.

In addition, marine-related games such as remote control boat, ship simulator, word scramblers and Wii were also set up to engage the students in between competition rounds. 20 students were winners of a powerbank each in the lucky draw held during the event.

A prize presentation ceremony was held after the Quiz Finals. ASMI President, Mr Chow Yew Yuen presented the prizes to winners of the Marine Quiz. Winners for the Water Grand Prix received their prizes from Mr Peter Liang, Director of Mechanical Engineering Division from Ngee Ann Polytechnic's School of Engineering.



Students checking out the exhibition held at the convention centre's foyer.



Water Grand Prix judges, Mr Patrice Mauger (right) and Mr Wong Foo Sang, inspecting the models before the race.



Winner of the 'Fastest Water Craft' Award - WRS 1 of Woodlands Ring Secondary School.



Winner of the 'Most Innovative Water Craft' Award - Alpha 3 of Peirce Secondary School.

MARINE & OFFSHORE CHALLENGE 2015 - RESULTS		
Award	Team	School
WATER GRAND PRIX		
Fastest Water Craft		
Gold Award	WRS 1	Woodlands Ring Secondary School
Silver Award	WRS 3	Woodlands Ring Secondary School
Bronze Award	WRS 5	Woodlands Ring Secondary School
Merit Award	WRS 2	Woodlands Ring Secondary School
Merit Award	WRS 4	Woodlands Ring Secondary School
Most Innovative Water Craft Award	Alpha 3	Peirce Secondary School
MARINE QUIZ		
Champion	Argonauts	Woodlands Ring Secondary School
1 st Runner-up	Zheng He	Woodlands Ring Secondary School
2 nd Runner-up	TKGS 1	Tanjong Katong Girls' School
Merit Award	TKGS 3	Tanjong Katong Girls' School
Merit Award	TKGS 4	Tanjong Katong Girls' School
Merit Award	TKGS 2	Tanjong Katong Girls' School

The Marine Quiz Finals was conducted in front of a 'live' audience.



Audience watching the three teams competing for the Marine Quiz championship title.



Marine Quiz Champion - Argonauts of Woodlands Ring Secondary School.



Audience watching the three teams competing for the Marine Quiz championship title.