

ASMI, together with Ngee Ann Polytechnic's Marine & Offshore Technology Diploma course, co-organised the Marine and Offshore Challenge 2011 on 25 October at the polytechnic's Convention Centre. The event was organised as an outreach programme to raise awareness on the marine and offshore industry among secondary school students.

The 'Challenge' included two inter-school competitions - the Water Grand Prix and Marine Quiz. The Water Grand Prix saw 34 teams from 11 schools designing and building water craft models to compete in a race for the fastest and most innovative vessel. The Marine Quiz attracted participation from 22 teams from ten schools. The Quiz focused on the history, strengths and milestones of the marine industry as well as on ships and rigs in general.

A mini-exhibition on the marine and offshore industry was also set up to introduce the industry to attending students and teachers. The exhibition featured the industry's business activities, its products and capabilities.

**The Water Grand Prix**

Teams comprising three to four students each were tasked to design and build a multi-hull water craft fitted with a standard propulsion unit. The water craft would then compete in a 5-metre long water race course. Participants had to apply their knowledge of physics, principles of water craft construction and creativity to build the water craft models.

Following the preliminary round, the 12 fastest teams moved on to the quarter-finals. They raced with one another to be among the top four teams to advance into the semi-finals. The fastest two boats then sailed into the finals.

The final race contested between teams *Perserverance* from Pingyi Secondary School and *Neptune* from Serangoon

**MARINE AND OFFSHORE CHALLENGE 2011**

Garden Secondary School. *Perserverance* won the race, clinching the 'Fastest Water Craft Award' as well as the 'Most Innovative Water Craft Award'.



Team *Perserverance* from Pingyi Secondary School won both the 'Fastest Water Craft' and 'Most Innovative Craft' Awards at the Water Grand Prix.

**Marine Quiz**

The Marine Quiz comprised three knockout rounds. The Preliminary round saw all teams, comprising three students each, answering the quiz in multiple-choice format. The six highest scoring teams marched into the semi-finals. The Semi-Final round was conducted on stage with supporters cheering their teams as they battled for a berth in the finals. The top three teams advanced to the Quiz Finals.

The adrenalin-filled Finals saw an exciting match involving the teams from Bendemeer Secondary, CHIJ St. Nicholas Girls' and Chung Cheng High School (Yishun). This round was conducted on stage and 'live' in front of an audience comprising students, teachers and guests from the industry, maritime and government organisations.



The finals of the Marine Quiz.



Team YSF Bendemeer from Bendemeer Secondary School clinched the Champion of the Marine Quiz.

**CHALLENGE 2011**

The teams challenged one another in 'live fire' action as they competed to be the fastest to answer the quiz questions correctly. As the quiz advanced, Team YSF Bendemeer from Bendemeer Secondary School proved to be the stronger team as they pulled ahead with their scores to emerge as Champion of the Marine Quiz 2011 competition. Team 2 from CHIJ St. Nicholas Girls' School was first runner-up whilst Team 4 from Chung Cheng High School (Yishun) came in third.

**Marine Games**

To engage students between the races and quiz rounds, several marine games were also conducted. The Microsoft Ship Simulator, Remote Control Boat and Submarine Challenge allowed the students to familiarise themselves with the industry in a fun and entertaining manner.

A prize presentation ceremony was held to present trophies and cash prizes to the winning teams of the Marine Quiz and Water Grand Prix. Some S\$7,000 worth of cash prizes and trophies were given out in total to winning teams and their schools.

The Marine and Offshore Challenge 2011 was supported by the Singapore

Maritime Foundation. This year's event was attended by some 200

secondary school students and 50 polytechnic students.

**RESULTS OF INTER-SCHOOL COMPETITIONS**

Award	Prize	Team	School
<b>MOT WATER GRAND PRIX - FASTEST WATER CRAFT AWARD</b>			
Gold	\$1,000 & Trophy	Perserverance	Pingyi Sec School
Silver	\$800 & Trophy	Neptune	Serangoon Garden Sec School
Bronze	\$600 & Trophy	MIA	Dunman High School
Merit	\$200	Monkey Balls	Pingyi Sec School
Merit	\$200	Pinky Bears	Pingyi Sec School
Merit	\$200	Sec 2 Express	Deyi Sec School
Merit	\$200	TK Three Four	Tanjong Katong Girls' School
Merit	\$200	Apollo	Serangoon Garden Sec School
<b>MOT WATER GRAND PRIX - MOST INNOVATIVE CRAFT MODEL AWARD</b>			
Most Innovative Craft Award	\$800 & Trophy	Perserverance	Pingyi Sec School
Commendation Award	\$200	CHIJ Team 1	CHIJ Sec (Toa Payoh)
Commendation Award	\$200	Sec 2 Express	Deyi Sec School
<b>MARINE QUIZ</b>			
Champion	\$600 & Trophy	YSF Bendemeer	Bendemeer Sec School
1 <sup>st</sup> Runner-Up	\$450 & Trophy	Team 2	CHIJ St. Nicholas Girls' School
2 <sup>nd</sup> Runner-Up	\$300 & Trophy	Team 4	Chung Cheng High (Yishun)
Merit	\$150	Team 2	Dunman High School
Merit	\$150	Alpha 6	Peirce Sec School
Merit	\$150	Team 1	Chung Cheng High (Yishun)



Some of the students' innovative water craft models.



The Water Grand Prix race track.

**WORKSHOP ON SAFE LIFTING OPERATIONS IN MARINE INDUSTRY**

A workshop on "Safe Lifting Operations in Marine Industry" was held on 13 December for supervisors and personnel involved in lifting operations. The half-day session was organised by ASMI and the Workplace Safety and Health (WSH) Council. The workshop covered topics such as key changes to WSH (Operation of Cranes) Regulations, Code of Practice on safe lifting operations, accident cases, Zero Drop Programme and safe lifting practices.

Speakers at the workshop included Ms Theresa Liew, Senior Specialist, Occupational Safety and Health Division (OSHD), Ministry of Manpower (MOM), Mr Choong Chang Thai, Manager (Programme Management), OSHD, MOM, and Mr Yeo Kim Hock, Chairman of WSH Council's Working Group on Code of Practice for Safe Lifting Operations.

Mr Chandrasehgaran, Deputy Chairman of ASMI Safety Committee

and Director (Operations) of Drydocks World-Singapore, presented on the safe lifting practices in shipyards. Mr Chandra also led the group discussion session that ensued. Video scenes of lifting operations were played for

participants to discuss on the correct and incorrect practices as shown in the scenes. This was followed by groups presenting their findings to the audience. The workshop was attended by some 150 members.



The Workshop on Safe Lifting Operation in Marine Industry was attended by some 150 members.

## SINGAPORE PAVILION AT INMEX INDIA

ASMI returned to the International Maritime Exhibition and Trade Fair or INMEX India, for the second time. INMEX India was held from 29 September to 1 October 2011 at the Bombay Exhibition Centre in Mumbai. Singapore's participation is supported by International Enterprise Singapore.

This biennial trade show was organised by Informa Exhibitions India and supported by the Indian Ministry of Shipping, Shipyards Association of India, Gujarat Maritime Board and Association of Multimodal Transport Operators of India. This is India's largest maritime event and the exhibition has grown since its inception in 1999.

INMEX India 2011 incorporated an exhibition and a series of conference and seminars. The conference theme was "India - Moving Beyond Being A Maritime Hub." The seminars focused on India's competitive position in the international market, strategies for growth, trends and developments in coastal and inland shipping.



Exhibitors meeting clients at INMEX India 2011.

The 126-sqm national pavilion was located near the entrance of the exhibition hall. The pavilion hosted eight companies providing marine solutions such as engineering, installation, testing and commissioning services for heating, ventilation, air-conditioning and refrigeration systems. Other exhibitors included suppliers of aluminium alloy products, rigging & mooring equipment and services, steering gear systems and deck machinery. There was also a manufacturer of marine windows, doors and hull outfittings, and a specialist in instrumentation and automation.

Informa reported a two-fold increase in the total exhibition area for 2011 compared to 2009. The total nett exhibition area in 2011 was 5,970 sqm. There were 542 exhibitors from 42 countries, 20% more than in 2009. The total visitor attendance recorded at INMEX India 2011 was 6,672 visitors. There were seven national pavilions including Singapore.

India's external trade as a position of GDP has more than doubled in the last ten years and is close to 40%. The bulk of this international trade is carried through shipping. India's maritime sector has grown significantly over the years. It is expected to attain a size of USD 80 billion by the year 2020. India's reputation as one of the Maritime Epicentre of the future is growing amidst strong support from key apex bodies and associates in the Indian shipping industry.



Singapore Pavilion at INMEX India 2011.

## SINGAPORE'S FIRST COLLECTIVE PARTICIPATION

ASMI led Singapore's first collective participation at the Middle East Workboats (MEWB) exhibition in Abu Dhabi, United Arab Emirates. The MEWB exhibition, one of the region's leading event for workboat operators, builders and equipment suppliers was held at the Abu Dhabi National Exhibition Centre from 3 to 5 October 2011. The exhibition was organised by Seatrade Communications Limited.

The 168-sqm Singapore Pavilion at MEWB 2011 was supported by the International Enterprise (IE) Singapore. The national pavilion comprising 12 Singapore-based companies was spread over three island blocks. Among the exhibitors were suppliers of aluminium alloy products, rigging & mooring equipment, steel gratings, heating, ventilation, air-conditioning and refrigeration systems.

There were also companies providing fabrication and engineering services, survey and mapping services for offshore oil & gas industry, marine & offshore software solutions and broadband satellite technologies.

The exhibition cum conference incorporated technical seminars, panel debates and roundtable discussions. The seminars addressed leading trends and challenges for the maritime workboat sector, commercial climate for offshore support providers, technical and environmental challenges, and modernisation trends in workboats.

The maritime industry is rapidly accelerating in countries across the Gulf. A key opportunity in the workboat sector is created by the ageing fleet of workboats in the region, with an estimated 40-50% of these more than 20 years old, requiring extensive capital investment in modernising and upgrading of the vessels.

Seatrade reported a total of 3,580 sqm of exhibitor space sold in 2011, a 23.5% increase from 2009. There were 175 exhibitors in 2011. MEWB 2011 recorded a total of 2,821 unique participants over the duration of a 3-day show. This was a 5.6% increase in attendance compared to the attendance of 2,676 attendees recorded in the 2009 edition.

## SINGAPORE REPRESENTED AT MARINTEC CHINA 2011

Singapore was back at Marintec China for the third time with ASMI leading the national representation. Marintec China 2011 was held from 29 November to 2 December 2011 at the Shanghai New International Expo Centre. The national participation was supported by the International Enterprise (IE) Singapore and Singapore Maritime Foundation. The 16th edition of Marintec China was organised by UBM Asia.

Marintec China 2011 broke the 2009 record both in terms of the exhibition area and number of exhibiting companies. With a nett exhibition space totalling 70,000 sqm, the exhibition was 40% larger than in 2009. There were a total of 1,650 exhibitors, 11% more than in 2009. There were 18 international pavilions

including Singapore. The Organiser recorded a total of 50,888 visitors from 87 countries and regions of China.

The 546-sqm Singapore Pavilion was occupied by ASMI and 30 Singapore-based companies. Among them were suppliers of heat exchangers, turbochargers, pressure vessels, switchboards and consoles, load banks, aluminium alloy products, lightings, mooring, rigging and lifting systems, diesel engines, life-saving equipments, mobile satellite terminals, ventilation fans, lifting appliances as well as logistic services.

There were also companies providing engineering, installation, testing and commissioning services for heating, ventilation & air-conditioning systems, marine communications and navigation systems, fuel and water filtration, and global positioning systems.

ASMI and SPRING Singapore also organised a Singapore Networking Reception at the Pavilion on the second day of the show. The Reception was held to create more networking opportunities for the Singapore exhibitors and members of the business delegation to Shanghai.



Singapore Pavilion at Marintec China 2011

The delegation led by SPRING Singapore, visited shipyards and marine companies in Shanghai to gain knowledge on the issues and challenges faced when setting up operations in China as well as to explore possible business collaboration between the delegates and hosting companies.

Marintec China has grown significantly over the years with strong support from relevant ministries of the Chinese government as well as increased popularity and participation by the international maritime communities. The trade show has proven to be an excellent platform for exchange of news and networking, and the establishment of new contacts and business opportunities.



A Networking Reception was co-organised by ASMI and SPRING Singapore at the Singapore Pavilion.

## AT MIDDLE EAST WORKBOATS 2011

The participating companies found MEWB a useful platform for them to introduce themselves, promote their capabilities and showcase their products, services and solutions to

regional operators in the workboat market segment. Many of them commented that they were able to reach out to potential quality customer contacts at this exhibition.



The Singapore Pavilion at MEWB 2011 was supported by International Enterprise Singapore.

