A.P. Møller - Mærsk delegation visits COSCO Shipyard

On November 12, a delegation from the Maersk Group, led by the Vice President, Mr. Charl Bester, and the senior management of Maersk Line, Maersk Supply Service and Maersk Tankers, and including their offshore and marine technical department and purchase department, visited the COSCO Shipyard Group Commercial Headquarters in Shanghai. The President of CSG, Mr. Liang Yanfeng, warmly received the delegation and both parties had pleasant exchanges.

During the meetings, Liang exchanged his appreciation to Maersk for entrusting COSCO with the construction of four subsea supply vessels as well as the wish to establish a long-term partnership with Maersk in ship repair, newbuilding and offshore marine sectors.

Mr. Charl Bester spoke about Maersk’s current situation and expressed his interest in market development of the COSCO Group. They also discussed high-technology and new technologies. They agreed to continue to work in partnership with each other to achieve a win-win situation. Liang expressed his appreciation to the owners for their continuous trust and support and said that COSCO Shipyards will do their utmost to provide their clients with the best products and services.

CSG President visits our partners in Hong Kong

Recently, the President of the COSCO Shipyard Group held constructive and pleasant exchanges with the COSCO (HK) Group, Chellaram Shipping, KC Maritime, Noble Chartering and the Hong Kong Branch of Deutsche Bank AG, among other clients and partners in Hong Kong.

During a pleasant meeting with the COSCO (HK) Party Secretary, Mr. Wu Shuxiong, Vice President, Mr. Xu Zhengjun, and Chief Accountant, Ms. He Jiale, both sides reviewed their close cooperation in ship repair and discussed the development and maintenance of their information system. They also discussed how they could complement each other in the future development of their businesses.

At the Deutsche Bank AG, Hong Kong Branch, Liang was received by Mr. Vishal Khurana, the General Manager of their party and a highly skilled workforce, we could guarantee to deliver the projects we undertake timely and professionally.

COSCO Dalian delivers two FPSOs in succession

On the 24th and 27th of October, COSCO (Dalian) Shipyard delivered two floating production, storage and offloading (FPSO) units, "Petrobras 76" and "Algarve", to Modec. The units were converted from very large crude carriers (VLCCs) and will eventually join the Petrobras fleet.

Equipped with a spread mooring system, the units are capable of processing 150,000 barrels of crude oil or 8,000,000 cubic metres of natural gas per day and have a storage capacity of 1,600,000 barrels. The units are able to operate in water depths up to 2,300 metres. During installation of the flare tower on the Algarve unit, the flare tower module was lifted to a height of 150 metres, setting a new record for COSCO Shipyards. Whilst Petrobras 76 was undergoing conversion, three supplementary order were placed, as a result of which nearly 100% of steel work, 90% of coating and painting, 70% of piping work, as well as part of the machinery work and air channels were completed by COSCO (Dalian) Shipyard.

Both sides believed that, while the previous cooperation has been successful and pleasant, a brighter future is awaiting which will benefit both parties.

Management of COSCO (Dalian), COSCO (Zhoushan), COSCO (Guangdong) Shipyards and the Commercial Headquarters and Technology Centre also attended the meetings.
**COSCO Nantong: Second jack-up drilling rig named**

On November 19, LeTourneau Workhorse jack-up drilling rig, built by COSCO (Nantong) Shipyard for the Singaporean buyer, KS Energy, was named "KS Orient Star 2" by Godmother Mrs. Elizabeth Wiluan. The Board Chairman of KS Energy, Mr. Kris Wiluan, Vice President of American Bureau of Shipping China Area, Mr. Darren Leskoski, Vice President of the COSCO Shipyard Group and general manager of COSCO (Nantong) Shipyard, Mr. Ni Tao, Party Secretary of COSCO (Nantong) Shipyard, Mr. Zhu Zhining, and Executive Director of the COSCO Shipyard Group Commercial Headquarters, Mr. Shi Wei, as well as other guests and friends, co-witnessed the moment.

This unit is very much at the high end of all units ever built and delivered by a domestic Chinese yard and represents world-class technologies and building techniques. The COSCO Shipyard Group owns the intellectual property rights of the production and detailed design of the unit. It measures 69.49 metres in length, 29.87 metres in breadth and is 11.35 metres in depth. It measures 99.97 metres LOA, 67.06 in breadth, 2.92 metres in depth and each leg measures 516 feet in length.

A 400-tonne lifting capacity makes it possible to transfer a whole drilling packet to the drilling rigs in merely three shifts, greatly increasing drilling efficiency. It can also carry out drilling and workover services; its working load of 1,000 tonnes.

The living quarters is capable of accommodating up to 150 people.

The unit is capable of operating to a depth of up to 30,000 feet. The drilling package has a working load of 1,000 tonnes. The living quarters are capable of providing accommodation for up to 150 people. The sister rig of “KS Orient Star 2”, “Kai Xuan Yi Hao”, was successfully delivered on July 17, 2014 and put into action in the East China Sea by the charterer, China Oilfield Services Ltd (COSL). It accomplished its first drilling task on October 20.

The unit has been re-positioned and has started its second drilling task.

**COSCO Guangdong delivers second self-erecting drilling tender barge**

On November 18, COSCO (Guangdong) delivered a self-erecting drilling tender barge, Edrill-2, to the Singaporean buyer, Energy Drilling. This is the second drilling tender barge COSCO (Guangdong) has built and delivered to the buyer. The unit measures 99.97 metres LOA, 29.87 metres in breadth and 11.35 metres in depth and can accommodate a crew of 170. It is designed to provide remote field drilling and workover services; it can also carry out drilling operations in areas requiring pile positioning. The barge has a working depth of 2,000 metres and a drilling depth of over 5,000 meters.

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**COSCO-built wind turbine installation vessels reunite at Esbjerg Port, Denmark**

Recently, two wind turbine installation vessels, Sea Installer and Sea Challenger, were spotted loading wind turbine components at Esbjerg Port, Denmark, at the same time, creating a unique sight at Esbjerg Port, Denmark, at the loading area of the main deck and enabling the vessel to handle the installation of larger 5MW to 7MW wind turbines – it will now be able to carry 10 sets of wind turbine components per voyage. The lifting capacity has also been improved with a 900t variable frequency drive main crane. Meanwhile, the vessels are equipped with advanced steerable thrusters with enhanced mobility – it takes merely 5 to 6 seconds for the vessel to make a 180-degree turn. The vessels meet both DNV offshore construction specifications and Danish maritime standards. They have also been awarded the DNV class notation “clean design” and will play a positive role in the promotion and development of clean energy.

The vessels successfully carried out wind turbine installation work in the UK sector of the North Sea, where their strong performance was fully appreciated by the owner and the charterer.

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**The necessities of drilling and workover services**

In areas requiring pile positioning, a working depth of 2,000 metres and a drilling depth of over 5,000 meters.

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COSCO Zhoushan: 152,000-dwt shuttle tanker named

On November 12, a 152,000-dwt shuttle tanker, being built by COSCO (Zhoushan) Shipyard for the Norwegian owner, Knutsen NYK Offshore Tankers, was named “Raquel Knutsen” by Godmother Mr. Natalia Fernandez. The CEO of Knutsen NYK Offshore Tankers, Mr. Trygve Seglem, a representative from the Spanish energy company Repsol, Mr. Ignacio Rodondo, the Chief Engineer of the COSCO Shipyard Group, Mr. Zhan Shuming, and the General Manager of COSCO (Zhoushan) Shipyard, Mr. Dong Yezyong, co-witnessed the moment. At the naming ceremony, Mr. Trygve Seglem spoke highly of the yard’s execution of the project. Mr. Zhan Shuming offered warm congratulations and extended sincere thanks to Mr. Trygve Seglem and Knutsen NYK Offshore Tankers on behalf of the COSCO Shipyard Group. He said that it was our great pleasure to have Knutsen as a good friend and supportive partner, and we hoped that the Raquel Knutsen project would serve as a new starting point for more cooperation in broader fields.

COSCO Dalian: Steel-cutting for two emergency response/rescue field support vessels

On the 18th and 30th of October, the steel-cutting for two emergency response/rescue field support vessels (ERRVs) were held in COSCO (Dalian) Shipyard. COSCO (Dalian) has undertaken to build four ERRVs for the Malaysian buyer Nam Cheong, with the British company Sentinel Marine as the end user. The vessels will measure 62 metres in length, 15.5 metres in breadth and 6 metres in depth. They will adopt the conventional double engine/propeller propulsion system and will be equipped with a bow thruster and a retractable thruster. They are designed to provide emergency response assistance and other services for offshore oil field facilities. The vessels in the series are scheduled for delivery from the end of 2015 to the beginning of 2016.

COSCO Guangdong: Second platform supply vessel launched

On October 28, a PX121 platform supply vessel (PSV) was launched in COSCO (Guangdong) Shipyard. It is the second of the six PSVs the yard has undertaken to build for the Dutch owner, Vroon B.V. The vessel measures 83.4 metres LOA, 18 metres in breadth and 8 metres in depth, with a maximum draft of 6.7 metres and a deadweight of 4,200 tonnes.

Zhongxing Sea-Land delivers car/passenger ferry to Guangdong Hopeyue

On November 28, Zhongxing Sea-Land Engineering, a subsidiary of the COSCO (Shipyard) Group, delivered a 73.7m car/passenger ferry to the domestic Chinese owner, Guangdong Hopeyue Ship Building Industry Limited. The President of Guangdong Hopeyue Ship Building Industry Limited, Mr. Li Guoxuan, the Party Secretary of the COSCO Shipyard Group, Mr. Ma Zhihong, and the management of COSCO (Guangdong) Shipyard co-witnessed the moment. The successful delivery of the vessel adds to Zhongxing Sea-Land's competitiveness in the construction of small size vessels. Prior to the delivery, on October 30, the vessel returned from its three-day sea trials, during which tests on hull performance, main engine workload, cruising speed, power system and communication and navigation systems were successfully carried out. The testwon high levels of praise from both the owner and the ABS inspectors.

At the end of November, after comprehensive evaluation and assessment by a team of authorized experts, COSCO (Shanghai) Shipyard was recognised as an eco-friendly manufacturer.

The recognition from the experts justifies the yard’s efforts in environment protection, emission control and eco-friendly manufacturing. As an almost-half-a-century-old shipyard with a sharp sense of social responsibility, COSCO (Shanghai) will never compromise the environment for their business performance and will always try their utmost to become green, which is the only way that leads to a sustainable growth.

This Month in History

November 17, 1869
The Suez Canal was formally opened after more than 10 years of construction.

November 22, 1497
Portuguese navigator Vasco Da Gama, leading a fleet of four ships, became the first to sail round the Cape of Good Hope, while searching for a sea route to India.

November 28, 1520
Portuguese explorer Ferdinand Magellan passed through the Strait of Magellan located at the southern tip of South America, thus crossing from the Atlantic Ocean into the Pacific.

November 4, 1890
The first electrified underground railway system was officially opened in London.

November 3, 1957
Soviet Russia launched the world’s first inhabited space capsule, Sputnik II, which carried a dog named Fjalka.

November 8, 1656
Astronomer and mathematician Edmund Halley (1656-1742) was born in London. He sighted the Great Comet of 1682 (now named Halley’s Comet) and foretold its reappearance in 1758. Halley’s Comet appears once every generation with the average time between appearances being 76 years. It is expected to be visible again in 2061.

November 7, 1857
Polish chemist Marie Curie (1867-1934) was born in Warsaw, Poland. In 1903, she and her husband received the Nobel Prize for physics for their discovery of the element Radium.

November 8, 1895
X-rays (electromagnetic rays) were discovered by Wilhelm Roentgen at the University of Würzburg in Germany.

November 25, 1835
American financier Andrew Carnegie (1835-1919) was born in Dunfermline, Scotland. He emigrated to America, made his fortune in steel, and then became a major philanthropist. Among his gifts are more than 2,500 libraries, Carnegie Hall, the Carnegie Foundation and the Carnegie Endowment for International Peace. He once wrote, “The man who dies rich dies disgraced.”

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Sea damaged HLV restored three days ahead of schedule in COSCO Zhoushan Shipyard

Yang Guochen
COSCO Zhoushan Shipyard

“Lesheng” is a heavy lift vessel owned by COSCO Shipping. She sailed out from COSCO (Zhoushan) Shipyard on September 9, 2014, following the successful completion of repairs required because of sea damage. The repairs involved the bulbous bow, forepeak tank and forecastle deck areas. The vessel measures 169 metres LOA and 25.2 metres in breadth, with a maximum loading capacity of 50,000 tonnes. Difficult sea conditions had resulted in her colliding with other ships, which damaged the bulbous bow and forepeak tank, as well as the forecastle deck area; the collision almost reached the collision bulkhead. Fittings on the forecastle deck were either damaged or disappeared into the sea. In her current state it was difficult to moor and, considering the unpredictable condition of the sea, it was quite a challenge for us to simulate and design. Meanwhile, time was marching on and the remaining time was critically low. Our technical team was working around the clock. Their vast experience and impressive design ability enabled them to overcome the many obstacles they faced and they managed to produce the necessary working drawings sooner than the owners expected. Once the vessel arrived at the yard, the owner required that her departure date be brought forward by 10 days. Focusing on this case, we had to abandon the first plan completely and started to adjust all our general production running lines; everything, from the block working drawing division up to the material cutting arrangements, had to be changed. Then the workers were dispatched to fabricate the blocks 24 hours a day and, despite the poor weather conditions, which added to the difficulty in construction, the new blocks were fabricated and ready to be installed in just 20 days. The internal and external coating of the new plates called for a higher than standard quality, and from sandblasting in the workshop to full coat to stripe coat, we followed the guidance and standards for new builds. In order to save time, and only after careful evaluation and analysis of the risk, we decided it would be possible to replace the above waterline parts alongside the jetty. It only took us 35 days to complete the work from the time of her arrival. Our strict quality control, precise execution and hearty service earned us high recognition from the owner.

Milestones in the history of the COSCO Shipyard Group (2001-2008)

I On June 22, 2001, the COSCO Shipyard Group (CSG) was founded in Nantong, China. As the result of reorganization and integration of the COSCO Group’s regional ship repair resources in Nantong, Dalian and Giangdong, CSG not only consolidated its position in the ship repair market, but also became the first among domestic Chinese ship repair yards to rise to fame in the ship conversion sector.

II On January 1, 2003, the CSG Commercial Headquarters came into operation in Shanghai, the international shipping centre, marking the revolutionary adoption of the Integrated Marketing Model, based on which the international shipping centre, marking the revolutionary adoption of the Integrated Marketing Model, based on which CSG managed to establish a sound global client base and marketing network.

III On April 15, 2004, CSG acquired several private ship repair and building facilities on Linghe Island, Zhoushan, Zhejiang Province. On this island, a world-class ship repair, shipbuilding and offshore marine engineering base covering 2,000,000 square metres with 8 docks and 10 berths would soon greet the world.

IV On March 2, 2005, the CSG Headquarters were relocated to Dalian in response to the call of the national strategy to revitalize the Northeast region.

V In 2006, CSG decisively implemented the offshore marine engineering strategy and successfully undertook a number of orders, including the highest and most substantial drilling rig “BAYBENG”, the world’s first ultra-deepwater cylindrical drilling rig “SAGAER”, the world’s first ultra-deepwater jackup rig “Super M2”, and a series of wind farms installation vessels and deepwater geoprobe vessels, developing a comprehensive product mix to the offshore segment, spanning the entire value chain.

VI On January 18, 2008, the ground was broken for a new COSCO (Zhoushan) Shipyard with one of the first projects granted by the newly established Ministry of Industry and Information Technology; it is capable of fulfilling EPCI contracts for comprehensive offshore units, large semi-submersible offshore units and specialized offshore vessels. The construction of the facility is divided into two phases and will be completed by the end of 2014, when it will become the biggest modernized offshore marine engineering construction base in China.

The Milestones series is to be continued in the December issue – see you then!