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COMPANY INTRODUCTION

Yantai CIMC Raffles Offshore Limited ("CIMC Raffles"), formerly known as Yantai Shipyard, is a 100% subsidiary company of CIMC Group. Currently, CIMC Raffles has 5 Offshore and Marine Engineering centers located in Yantai, Shenzhen, Shanghai, Norway and Sweden and 3 construction bases located in Yantai, Haifang and Longkou. Main business of CIMC Raffles includes design, construction, repair & conversion, operation and leasing of drilling rigs, production units, offshore supply vessels, ocean farming facilities, offshore wind vessels, high-end ferries and yachts, and facilities for aquatic entertainment etc., aiming to provide turn-key solution to the clients.

CIMC Raffles insists on innovation since the start. It takes about 19 years to develop the design of key products and increase the rate of localization from 10% to 60%. Till now, CIMC Raffles has delivered more than 100 offshore and marine equipment, including 11 deepwater semi-submersible drilling rigs, which accounts for 80% of units delivered by China and 25% of market share around the world. Bluewhale series, the world’s most advanced submersible drilling rig, completed China’s first and second hydrate extraction campaign successfully.

CIMC Raffles is always dedicated to providing innovative equipment and solutions to the sustainable development of offshore and marine resources through technology innovation and lean management.

CIMC OFFSHORE GLOBAL PRESENCE

**Sweden**  
Bason Technology

**Norway**  
Brevik Engineering  
Norway Representative Office

**Caspian Sea**  
Caspian Driller Pte. Ltd.

**United States**  
Houston Representative Office

**Brazil**  
CIMC Brazil Office  
Brazil OOS Operation Co., Ltd.

**Singapore**  
Ocean Challenger Pte. Ltd.  
CIMC Raffles Singapore Office  
Bluewhale Offshore Pte. Ltd.

**China**  
Shandong  
CIMC Raffles Offshore Ltd.

Yantai CIMC Raffles Offshore Engineering Institute Ltd.,  
Yantai Tiexiangbao Steel Processing Co., Ltd.  
Yantai CIMC Blue-Ocean Technology Ltd.

**Shanghai**  
CIMC Ocean Engineering Design & Research Institute (CIMC OEC)

**Shenzhen**  
CIMC Capital Ltd.  
CIMC Offshore Co.Ltd

**Hong Kong**  
CIMC Raffles Yacht Ltd.
CORPORATE CULTURE

Mission
To provide innovative solutions for the sustainable development of marine resources

Vision
To be a globally respected leader in the industry

Core Values
Integrity, Honesty, Customer Success, Exploration & Innovation, Continuous Improvement, Win-win Cooperation, Results Orientation
QHSE

Management System


CIMC RAFFLES Quality Policy

Focus on customer requirements, strictly fulfill contract requirements and legal and regulatory requirements to achieve customer satisfaction.

Taking ONE Lean Management as the starting point, through Lean Engineering, Lean Supply Chain, Lean Production and other measures to achieve continuous improvement, becoming the customer’s first choice.

—Lean Engineering: Rely on scientific and technological innovation for lean engineering, and take “zero defects” as the primary task of design to ensure that the design quality meets the contract quality requirements.

—Lean Supply Chain: Carry out lean supply chain management and achieve win-win cooperation with partners.

—Lean Production: Implement lean production process control, and form a scientific and rigorous process control method through planning, process operation, effect evaluation, performance improvement and other means to achieve “zero defect” in quality management.

CIMC Raffles HSE Policy

To respect life is our company priority concerned, ensure employee’s health and safety without any compromise and consistently stick to these basic policies.

Boost sustainable development of the company together with our cooperative partners to reduce waste and pollution, to protect the environment, personnel safety and health.

We comply with laws, regulations and industry standards; maintain a friendly harmonious neighborhood relationship with surroundings.

Implement management responsibility, find corrective actions for issues going against HSE policy, and create a culture atmosphere with all employees’ participation and independent management.

Regarding HSE management as an indispensable part in our operation management, through effective HSE management system, enough investment and continuous improvement of HSE performance appraisal, WE will gain the trust from all employees, clients, shareholders and the society to have the achievement of first-class enterprises in marine and offshore industry fields.
DESIGN AND ENGINEERING CAPABILITY

Through the synergy across Yantai, Shanghai, Sweden and Norway R&D Centers, CIMC Raffles has acquired the whole lifecycle design capability from concept design, FEED, basic design, detailed design, and production design on semi-submersible platforms, jack-up platforms, wellhead platforms, central processing platforms, floating production units (FPUs), floating production, storage and offloading units, and ocean farming facilities.

CIMC Offshore Engineering Institute (OEI)
CIMC Offshore Engineering Institute (OEI) is located in Yantai, Shandong Province. It is an R&D center for the offshore oil drilling unit, endorsed by the China National Energy Administration. The OEI has independent design capability in high-end offshore platforms, deepwater semi-submersible platforms and jack-up platforms.

Offshore Construction R&D National Engineering Laboratory
Offshore Construction R&D National Engineering Laboratory is the platform set up to make breakthrough on the key technologies and lead the development of future offshore and marine industries. The Laboratory mainly focuses on the development of key technology and equipment for marine resources of ultra deep water and arctic region and for offshore renewable energy, and big data application for offshore technology.

CIMC Ocean Engineering Design & Research Institute (CIMC ORIC)
Offshore Engineering Design & Research Institute of CIMC (ORIC), located in Shanghai, has abundant design experience in offshore equipment, large-scale vessels, and renewable energy vessels.

Bassoe Technology (BT)
BT is located in Gothenburg, Sweden. It has strong experience and capability in the concept and basic design for semi-submersible platforms and drillships. Its main products include BT-3500 semi-submersible tender rigs, BT-4000 deepwater semi-submersible workover platforms, tender barges and etc.

Brevik Engineering (BE)
BE, located in Brevik, Norway, has the capacity of FEED and basic design of FPSO hull both new building and conversion for oil companies and FPSO contractors.
CONSTRUCTION CAPABILITY

CIMC Raffles has three construction bases in Shandong Province, located in Yantai, Hayang and Longkou. Three construction bases have geographic advantage considering they are located at the vicinity of Bohai Bay, an important oil and gas producing area in China. The Company owns world-class offshore construction facilities and digital and intelligent construction methodology, and created innovative construction method, including parallel construction on land, launching with large barge, mating with 20,000t gantry crane, thuster installation at -18m deep water wharf, etc.

Yantai Construction Base
Yantai construction base focuses on high-end offshore equipment assembly, integration and commissioning activities. It covers an area of 500,000 square meters with quay length of 3,000m, and owns a -18m deepwater wharf and a 20,000t gantry crane.

Hayang Construction Base
Hayang construction base focuses on module fabrication and construction of specialized vessels. It covers 490,000 square meters in area with quay length of 446m, and owns 3 production lines equipped with one unit of 700t gantry crane and two units of 250t gantry crane respectively and intelligent piping workshop.

Longkou Construction Base
Longkou construction base focuses on jack-up platforms and high-end ocean farming equipment. It covers an area of 420,000 square meters with quay length of 415m, and owns three production lines equipped with one unit of 600t gantry crane and two units of 250t gantry crane respectively. Meanwhile, Longkou equips with the first digital laser composite production line in China.

20,000t Taisun Crane
Taisun Crane, with the height of 120m, can lift up to 20,000t, which keeps the Guinness Record of Heaviest Weight Lifted by a Crane since 2008. It fundamentally changes the construction methodology of semi-submersibles, as it can reduce the integration period from 100-300 days down to 10 days. As a result, it can save more than 500,000 construction workhours for each semi-submersible. Up to now, Taisun crane has finished more than 16 successful commercial integrations.
COMMISSIONING

OMC Raffles has a well-established commissioning and interface management process, and a high-standard commissioning management system. Commissioning Department consists of more than 200 commissioning engineers with 15 years of professional experiences on average, divided into 16 system commissioning teams that work on FAT, Certification, MC, commissioning, maintenance and preservation.
DRILLING RIGS

CMC Raffles delivered China’s first drilling rig “Shangli 1” in 1976. Since October 2010 till now, CMC Raffles has delivered 11 semi-submersible drilling rigs and 10 jack-up drilling rigs, possessing the capability to design and mass produce drilling platforms in series.

**NORTH SEA SERIES**
- The COSL Prospector is a semi-submersible drilling rig designed to operate in water depths up to 750m and drilling depths to 1,500m. The unit is designed for North Sea Norwegian Sea and worldwide use in harsh environments. Station keeping is maintained by DP3 or by an 8 line mooring system. The COSL series of rigs have since been named “Rig of the month” 6 times, “Rig of the season” once and “Perfect well” once.

**NARROW ENVIRONMENT SERIES**
- The North Degree drilling rig is designed to operate in the Norwegian continental shelf and the Barents Sea. It is able to operate at a water depth of up to 500m and drill wells down to 11,000m. It is equipped with DP6 & 8-point mooring system and fulfills the requirements of PSAs, HSE, ISO9001 and ISO14001 Standards and is classed by DNV.

**300FT JACK-UP SERIES**
- SUPREME DRILLER is a jack up drilling rig designed and built by Fiede & Goldman with detailed design and construction by CMC Raffles. CMC Raffles currently owns the patent for the design of the jack up rigs and construction for this series of rigs. Currently, CMC Raffles has delivered 9 super AK drilling rigs which are deployed in the Middle East and Borneo Sea.

**400FT JACK-UP SERIES**
- JZ2000E Jack-up Drilling Rig is designed by the American design company H&G. It is able to operate at water depth up to 420m (1,400ft) and drill wells down to 10,560m (34,600ft) at 20°C. It can operate in extreme environment.

**ULTRA DEEPWATER SERIES**
- Bluewhale is a series of ultra deepwater drilling units built by CMC Raffles. It is the most advanced drilling platform equipped with dual hoisting tower and can operate in 95% deep water areas all over the world. In 2017, BLUE WHALE I had the first total extract of hydrate in South China Sea and continued production during the 10 scale severe Tropical Storm Moring, setting up a world record on the length of production period. In March 2020, BLUE WHALE II had the second total extract of hydrate and created two world records on total production and average daily production.
PRODUCTION UNITS

Generally, production units are able to produce, separate, and process preliminarily. CIMC Raffles is able to construct or convert various production units and construct and integrate modules, aiming to provide one-stop solutions to clients. Till now, CIMC Raffles has delivered 1 ship-shaped FPSO hull, 2 MOPU, 3 Cylindrical FPSO, and 2 FSO.

**FPSO**

P-71 FPSO is constructed by CIMC Raffles for Petrobras. P-71 has the capacity to process 150,000 bbls per day and storage capacity of 1 million bbls. She will be deployed in the Santos basin engaging in Pre-Salt production.

**Cylindrical FPSO**

The SSP Pranergy is the first cylinder-shaped FPSO unit in the WORDS, built based on Swam Marine’s unique patented technology. The vessel has a storage capacity of 300,000 bbls, an oil processing capacity of 20,000 bbls/day and a gas compression capacity of 3.8 million mcfd.

**FSO**

The Pathumabaha is a MODEC custom-designed, purpose-built condensate FSO vessel. It was commissioned and delivered by MODEC in 2002. Storage is 400,000 barrels. She is equipped with an internal turret mooring system in the bow. Pathumabaha was delivered in November 2002.

**MOPU**

Hayangphjay 14-3 is a jackup is a mobile production platform made for trial production and well maintenance. It can carry out trial mining, crude oil processing, crude oil offloading, wellhead testing, wellhead support, workover, etc. This allows easy accurate estimation of oilfield potential reducing the financial risk of production. She has a working depth of 45m and accommodation for 73 men.
MODULES

OMIC Raffles has provided high quality module EPC services to international clients. With years of experience, our service scope has extended to FPSO/FPS LNG topside modules, onshore LNG modules and chemical plant modules, E-house modules, LQ modules, turnkeys, chemical injection skids, mining modules etc.
SPECIAL PURPOSE VESSELS

CIMC Raffles has extensive EPC experience in building special purpose vessels. CIMC Raffles has delivered CR6000 semi-submersible accommodation vessel, Jensen 30,000t self-loading bulk carrier, “United Faith” 30,000t semi-sub heavy lift vessel, “Lian Jiang” 3,800t pipe lay barge, etc. Currently, CIMC Raffles is constructing 2700m Re-Ro for Bohai Ferries and 3890m dual-fuel ice class Re-Ro for Wullstein.
REPAIR AND UPGRADING

The ship repairs and upgrades have already become one of the core businesses of CIMC Raffles. With the powerful capability of project management and advanced facilities, we can provide professional repair and upgrade service for vessels or platforms of different uses or scales, such as the semi-submersible drilling platforms, jack-up platforms, semi-submersible vessels, bulk carriers, and oil tankers.
YANTAI TIEZHONGBAO STEEL PROCESSING CO., LTD. (NCBC)

NCBC is a joint venture invested by CIMC, INSMAC and BAGSTEEL, etc. NCBC aims to provide worldwide clients with thick steel plate processing service for offshore rigs and legs. The planned capacity per year is to provide materials for 12 sets of Jack-up rigs. At the same time, NCBC is also able to provide fabrication service of tank and pressure vessel, skid and module, offshore equipment, large steel structure and large diameter pipe.

NCBC has delivered more than 30 sets of products and materials of Gusto MSC CJ50, F&G LU2000E, F&G Super M2 drilling rigs and other offshore platforms for CIMC Raffles, DSIC, CMHI, SWS, WMMP, Nanyang Shipyard and etc. Furthermore, NCBC is the first certified producer of main chords for 500t CJ70 series jack up drilling rigs in China.
OCEAN CHALLENGER PTE. LTD. (OC)
ASSET MANAGEMENT COMPANY

Ocean Challenger is an asset management company of CMC Raffles specializing in offshore platform construction supervision, warm stack management, operation and asset management, integrating the existing offshore asset management business of CMC Group to provide dedicated service to our clients. Currently, OC is managing 18 assets including semi-submersible drilling platforms, semi-submersible accommodation platforms, jackups and self-unloading bulk carrier.
BLUEWHALE OFFSHORE PTE. LTD. (Bluewhale)

Bluewhale Offshore Pte. Ltd. (referred to as “Bluewhale”) is an international offshore management and operation company founded in Singapore. It has the subsidiary company and branch office in Mexico, Dubai, China and Turkmenistan. Bluewhale can provide offshore management services including drilling operation, offshore installation, commissioning, transportation, decommissioning, and professional offshore engineering services in maintenance and industrial consultation.

Bluewhale aims to become one of the world’s biggest integrated offshore contractors. It currently manages and operates the world’s most advanced dual hoisting semi-submersible drilling rig “Bluewhale I” in South China Sea, and the Super M2 “Caspian Driller” is operating for Dragon Oil in Caspian Sea.
CLEAN ENERGY

CMC Raffles can provide a variety of solutions for green power. In the field of offshore wind power, CMC Raffles has already carried out much research and development and market layout, and develops innovative products, such as floating offshore wind turbines for deep water, installation ships for 12MW offshore wind turbines, self-installed HVDC and HVAC. Furthermore, CMC Raffles has already developed solutions for fish farms, net cages, to achieve the integration with offshore wind farms and to maximize investment income.

Projects under construction currently include installation ships for offshore wind turbines, fixed substructures for offshore wind turbines, substructures for HVAC. At the same time, CMC Raffles has developed products or designs, such as, floating LNG generator, floating seawater desalination platform, the combination of offshore wind turbines and hydrogen storage.
DEEP SEA FISHERY

Yantai CIMC Blue Ocean Technology Co., LTD. ("CIMC Blue") is an innovative enterprise incubated by CIMC Raffles, focusing on the deep-sea fishery industry chain with an independent and flexible operation mechanism.

CIMC Blue has the design ability to develop ocean fish farms, deep water intelligent net cages, core fishery equipment, modern fishing vessels, recreational fishery complexes and other deep-sea fishery equipment for customers according to local conditions, and invest in the creation of the superset fishery data system.

At the same time, CIMC Blue actively participates in the establishment of national ocean fish farm demonstration zone, leading the fishery mode to achieve new breakthroughs through equipment, and assisting the construction of "Ocean granary".

Up to now, CIMC Blue has built total 24 ocean fish farms, 4 deep-water cages, 1 deep-water aquaculture ship and 1 automated Antarctic krill cargo vessel, effectively improving the ecological, automatic and intelligent level of fishery equipment.
SEA ENTERTAINMENT

Sea Complex

CIMC Raffles perfectly integrates marine equipment technology and artistic aesthetics, and has developed a comprehensive marine tourism solution aimed at high-end marine leisure and tourism, which can provide customers with entertainment and leisure services which included food, accommodation, transportation, travel and shopping. The service can also integrate scientific research test, green breeding, ecological environmental protection, digital operations to satisfy people's desire to fully understand the ocean, get close to the ocean, explore the ocean, and protect the ocean.

CIMC Raffles is committed to fully integrating coastal tourism resources, fishery resources and island resources, creating regional landmark offshore buildings, cultivating new forms of marine tourism, and realizing land-sea, land-island and island-island linkage.

At present, CIMC Raffles has cooperated with Art Academy of Tsinghua University, Central Academy of Fine Arts and other famous art institutions to develop and reserve customized design and construction schemes of Marine leisure fishery complex suitable for different sea areas, and obtained a number of appearance patents.

Yacht, Sightseeing and Luxury Cruise Vessel

We could provide integrated yacht service of R&D, design, marketing, production, management and maintenance. Since the first cultivation of the 88m PROA 100 Asean Lady, 5 super yachts have been successfully delivered ranging from 32m to 90m as well as 33m and 66m series sightseeing and luxury cruise vessels.
PROJECT DELIVERED WORLDWIDE
Dare to dream, create bright future with wisdom