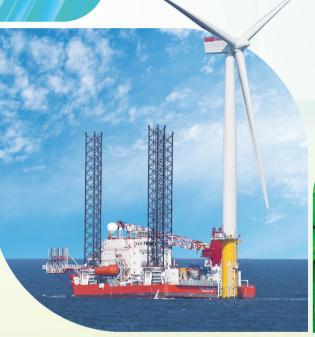


股份代號: 0206 Stock Code: 0206

Become a Leading Green
Energy Tech Company in the World

致力成為世界領先 的綠色能源技術公司





2022 Annual Report 年報





















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CORPORATE PROFILE

公司簡介

BUSINESS OVERVIEW

CMIC Ocean En-Tech Holding Co., Ltd. ("CMIC" or the "Company", formerly known as TSC Group Holdings Limited) was incorporated in the Cayman Islands and is listed on the Main Board of The Stock Exchange of Hong Kong Limited (the "Stock Exchange"). The Company and its global subsidiaries (the "Group") are primarily engaged in asset investment and operation management of offshore engineering platforms, the design, manufacturing and service of related equipment and packages in the land and offshore oil and gas exploration and development, the offshore wind power installation and other industries, and other clean energy and technology investments.

The Group's core offshore engineering equipment and packages businesses have reached world leading standard after many years of development. Its principal businesses include the design, manufacturing. installation and commissioning of onshore and offshore drilling rig equipment and packages etc.. Specific equipment products include cranes, machine rack pipes, jacking systems, power control and transmission systems, tension adjustment and compensation devices and systems, etc., as well as drilling rigs maintenance, repair and operation (MRO) products and services, including oilfield expendables, accessories and parts manufacturing, sale and repair services. Since the Group successfully ventured into the high-power deep-water offshore wind power installation market in 2021, it has successively provided high-end core equipment for several domestic wind power installation platforms in 2022; at the same time, the deployment of the hydrogen energy market is also being continuously improved. We gain insight into new opportunities for dual-carbon development, explore the path for energy transformation, and expand opportunities for new products and new business models in the new energy industries such as offshore wind power operation and maintenance, floating wind power and hydrogen energy.

In addition, the Company operates four jack-up drilling rigs, among which the disposal of two JU2000 rigs were successfully completed in 2022. The other two rigs provide drilling rig service for the national oil company of Mexico in the Gulf of Mexico and were well received by the owners, and their contracts have been successfully renewed this year. Currently, the Company is also operating and managing two diving support vessels, both of which are currently under charter in Southeast Asia. The Company's energy asset management business is gradually maturing and growing steadily.

業務簡介

華商國際海洋能源科技控股有限公司(簡稱「華商國際」或「本公司」,原「TSC集團控股有限公司」)於開曼群島註冊成立,在香港聯合交易所有限公司(「聯交所」)主板上市。本公司及其全球附屬公司(合稱「本集團」)的主營業務為海洋工程平台資產投資及運營管理,陸上和海洋油氣勘探開發、海上風電安裝等行業相關設備及設備整包設計、製造與服務,以及其他清潔能源和科技投資業務。

本集團海洋工程核心裝備及總包業務經過多年發過多年發展已到達世界領先水平,主要業務包括:安達為語等:與實力設備及總包的設計、製造、決議等:具體設備產品包括:吊機械排管、機械排管、統等以及鑽井平台保養、維修及營運(MRO)發資井平台保養、維修及營運(MRO)發資井平台保養、維修及營運(MRO)發資井平台保養、維修及營運(MRO)發資井平台保養、維修及營運(MRO)發資,不是國內進程已同一年本集團成功進年已同時,不多艘風電安裝平台提供,當時與一個時限,不可以繼時展,不可以繼時展,不可以繼時展,不可以繼時展,不可以繼時展,不可以繼時展,不可以繼時展,不可以繼時展,不可以繼時展,不可以繼時展,不可以繼時展,不可以繼時展,不可以繼時展,不可以與國際,

另外,本公司運營管理四座自升式鑽井平台,其中兩座JU2000平台在二零二二年成功完成出售交割,另外兩座平台在墨西哥灣為墨西哥國家石油公司提供鑽井服務,受到業主方好評,並在今年順利續約。目前,本公司還在運營管理兩艘潛水支持船項目,目前這兩艘船均在東南亞地區獲得租約。本公司能源資產管理業務逐漸走向成熟,並穩步發展壯大。





CORPORATE PROFILE 公司簡介

The Group pays close attention to the development of clean energy and intelligent technology-related industries, proactively looks for opportunities for investment in and consolidation of marine energy science and technology-related industries to achieve synergistic effects of each of the Group's business segments. Through investing in the undervalued opportunities along the industrial supply chain, the Group is committed to enhancing the overall performance of the Company and to maximising the interest of the shareholders and investors.

本集團密切關注清潔能源和智慧科技相關產業發展,積極尋求海洋能源科技相關產業投資和整合機會,實現本集團各業務板塊協同聯動效應。通過對產業鏈價值窪地的投資,本集團致力提升本公司整體業績表現,實現股東和投資者利益最大化。

In the medium to long term, we will continue to focus on the development of the clean energy and marine energy-related technology industries. The market shares of fossil energy underpinned by oil and gas have been gradually declining amid the global upsurge of carbon neutrality and carbon peak. Governments all over the world have clear carbon reduction goals, and reducing carbon emissions and developing green new energy sources will become the general direction of the global energy industry in the future. Global oil companies, oilfield service companies and engineering companies are all actively deploying for the new energy industry. In the medium term, leveraging on the extensive industry resources of the old and new teams, in line with the momentum of green energy such as hydrogen energy and offshore wind power development, and joining forces with the substantial shareholders, we will take the layout of the green energy technology equipment market as an opportunity to exploit our traditional strengths in equipment manufacturing, asset management and supply chain services, continue to build and enhance the quality and efficiency of utilisation and brand influence of green energy equipment manufacturing, services and management, and use capital operation methods such as listing, funds and finance leases to obtain stable capital support. In the long term, we will continue to develop our business in the green energy sector in line with the global energy revolution, and will rely on our technological expertise in conventional energy and our experience in hydrogen energy and offshore wind power to achieve comprehensive development, thus making new and greater contributions to the strategic goals of carbon reduction and green energy.

未來中長期發展,我們將繼續聚焦清潔能源以及與 海洋能源相關的科技產業發展。在全球碳中和碳達 峰熱潮中,以油氣為基礎的化石能源市場佔有率在 逐漸減弱。各國政府均有明確的減碳目標,減少碳 排放,發展綠色新能源成為未來全球能源行業的大 方向。全球石油公司、油田服務公司、工程公司都 在積極佈局新能源行業。中期,我們將借助新老團 隊廣泛深厚的行業資源,順應氫能、海上風電等綠 色能源的發展勢頭,聯合大股東,以綠色能源科技 裝備市場佈局為契機,發揮裝備製造、資產管理及 供應鏈服務的傳統優勢,繼續打造和提升綠色能源 裝備製造、服務與管理的使用質效和品牌影響力, 利用上市平台、基金、融資租賃等資本運作方式, 獲得穩定的資金支持;遠期,順應全球化能源變革 進程,繼續向綠色能源領域深入發展,憑藉服務傳 統能源的技術積累以及進軍氫能和海上風電的服務 經驗,實現全面發展,為減碳、綠色能源的戰略目 標做出新的更大貢獻。





CORPORATE PROFILE | MILESTONES

公司簡介 | 里程碑

Emer International started business in Houston, Texas, U.S.A. and introduced a multiple advanced equipment and technologies to China's oil and gas industry

埃謨國際於美國德州休斯頓上市 開業,為中國油氣行業引進多項 首台首套裝備和技術





Emer International's 2nd manufacturing facility, a manufacturing plant for hydraulic ends and accessories of mud pumps, was founded in Qingdao, China

埃謨國際於中國青島建 立第二生產基地,泥漿 泵液力端和配件製造廠 Emer International obtained solid control production line and lifting system product line through the acquisition of Zhengzhou Highlight and Zhengzhou GEAR and became the only company in China that can provide research and development, design and manufacture of lifting device for jack-up rigs

埃謨國際通過收購鄭州海來和鄭 州吉爾,獲得固控生產線和升降 系統產品線,成為中國唯一能提 供自升式平台升降裝置研發、設 計和製造的公司



TSC Offshore transferred its listing to the Main Board of the Stock Exchange

TSC海洋轉至聯交所主板 上市



2009

600

2001

HHCT, Emer International's 1st manufacturing facility, was founded in Xi'an, China and manufactured power control and driving systems for onshore drilling

埃謨國際的第一生產基地海爾海斯(HHCT)於中國西安成立,製造陸地鑽機電力控制和驅動系統



200

Emer International was listed on GEM of the Stock Exchange

埃謨國際於聯交所 GEM 上市 2008

Emer International acquired GME (London AIM), and was rebranded as TSC Offshore, expanded the product line of offshore drilling equipment and acquired the full capability of whole package of offshore drilling rigs. It became one of the few companies in the world that could provide the whole package of offshore drilling rigs in parallel with NOV and MH

埃謨國際收購GME (London AIM)並改名為TSC海洋,擴大了海上鑽井平台裝備產品線,具備海上鑽機整包能力,與NOV、MH並列成為全球少數能提供海上鑽井整包的公司之一



201

TSC Offshore rebranded as TSC Group

TSC海洋更名為TSC集團

In the same year, China International Marine Containers became a strategic shareholder of TSC Group

同年,中集集團成為 TSC集團戰略股東



CORPORATE PROFILE | MILESTONES

公司簡介 | 里程碑



The Company constructed high-spec R-550D jack-up drilling rigs with Zentech and CSSC

本公司與Zentech及中船合作製造高 規格R-550D自升式鑽井平台

In the same year, the Company established the Qingdao equipment manufacturing base

同年,本公司建立青島裝備製造基地



Minsheng Trust became a strategic shareholder of the Company in February 2019

二零一九年二月民生信託成為公司戰略 股東

In the same year, TSC Group Holdings Limited was officially renamed as CMIC Ocean En-Tech Holding Co., Ltd.

同年TSC集團控股有限公司正式更名為 華商國際海洋能源科技控股有限公司

In May 2019, the sale of two units of CJ46 rigs to Shelf was completed. The overseas team won the contract for the offshore rig service project of Pemex in relation to provision of two units of JU2000E rigs to the other party

同年五月,兩座出售給Shelf的CJ46平台 完成交割,海外團隊中標Pemex海上鑽 井服務專案,為對方提供兩座JU2000E 鑽井平台 In 2021, TSC China and CM Industry Group actively promoted the development of strategic cooperation in offshore wind power installation

Latest improvements gained in 2021:

- CMIC Hydrogen Energy Segment Company (華商氫能板塊公司) was established, and CMIC Green Hydrogen Technology Co., Ltd. (華商氫能技術(青島)有限公司) was established
- CMIC Green Hydrogen Technology Co., Ltd. entered into an agreement with Tan Kah Kee Laboratory of Xiamen University to establish a joint venture "CMIC Xia Kah Green Hydrogen Technology Co., Ltd. (華商廈庚氫能技術(廈門) 有限公司)"
- In 2021, the Company participated in the CMHI-27201 wind power installation vessels project of CM Industry Group, the first deep-water highpower wind power installation platform with independent intellectual property rights in China, to provide core complete sets of equipment and technology integration
 二零二一年,TSC中國與招商局工業集團積極推進

二零二一年,TSC中國與招商局工業集團積極推進開展海上風電安裝領域的戰略合作

二零二一年新增:

- 華商氫能板塊公司成立,華商氫能技術(青島)有限公司成立
- 華商氫能技術(青島)有限公司與廈門大學嘉庚實驗室簽約成立「華商廈庚氫能技術(廈門)有限公司」合資公司
- 二零二一年參與招商局工業集團CMHI-27201風電安裝船項目,國內首條具有自主知識產權的深水大功率風電安裝平台提供核心成套設備和技術集成

018



China Merchants & Great Wall Ocean Strategy & Technology Fund (L.P.) became the controlling shareholder of TSC Group in February 2018

二零一八年二月招商局長城海洋科技戰略發展產業基金成為TSC集團的控股股東

The Hong Kong Strategic Headquarters was established in July 2018

二零一八年十月香港戰略總部設立

In December 2018, two CJ46 drilling rigs were bareboat-chartered to SMS to provide services to Abu Dhabi National Oil Company, marking a breakthrough in strategic transformation

同年十二月出租兩台CJ46鑽井平台給SMS,服務於阿布達比石油公司,戰略轉型突破



2020

In the first half of 2020, Zhengzhou Company successfully secured orders for two sets of lifting systems for offshore wind power installation vessels, and has accumulated orders for four sets of similar products

二零二零年上半年,鄭州公司成功 獲得兩套海上風電安裝船升降系統 訂單,鄭州公司已累計提供四套同 類產品訂單

In August 2020, the Company signed a global settlement deed with Huangpu Shipbuilding for the H6001 and H6006 projects, through which Huangpu Shipbuilding became a strategic shareholder of the Company

同年八月,黃埔船廠透過與本公司 就H6001和H6006專案簽署全球和 解契據成為公司戰略股東

In October 2020, the land sale contract of Qingdao offshore base was officially signed, effectively revitalizing the idle assets of the Company

同年十月,青島海工基地土地出售 合同正式簽署,有效盤活本公司閒 置資產 022

- 1. Two joint ventures in the hydrogen energy segment were established:
 - CMIC Yiho Hydrogen Energy (Shenzhen) Co., Ltd.* (華商怡禾氫能(深圳)股份有限公司), a world's leading diaphragm hydrogen compressor manufacturer, was established, and the first set of 500KG diaphragm hydrogen compressor assembling was successfully delivered
 - Shenzhen Intelligent Hydrogen Industry Co., Ltd.* (深圳智氫實業有限公司), an unmanned hydrogen heavy truck operation company, was established

兩家氫能板塊合資公司成立:

- 全球領先隔膜式氫壓縮機製造商 華商 怡禾氫能(深圳)股份有限公司成立,首套 500KG隔膜式氫壓縮機成撬順利交貨
- 無人駕駛氫能重卡運營企業 深圳智氫實業有限公司成立
- 2. We won the tender for the offshore floating wind power project of Marine Power System (MPS) in Europe

中標歐洲Marine Power System (MPS)公司海上浮式風電項目

3. We partnered with KenzFigee, a leading Dutch offshore wind power heavy equipment company, to enter the core equipment business of offshore wind power operation and maintenance

與荷蘭海上風電重型裝備龍頭企業KenzFigee 公司合作進軍海上風電運維核心裝備業務

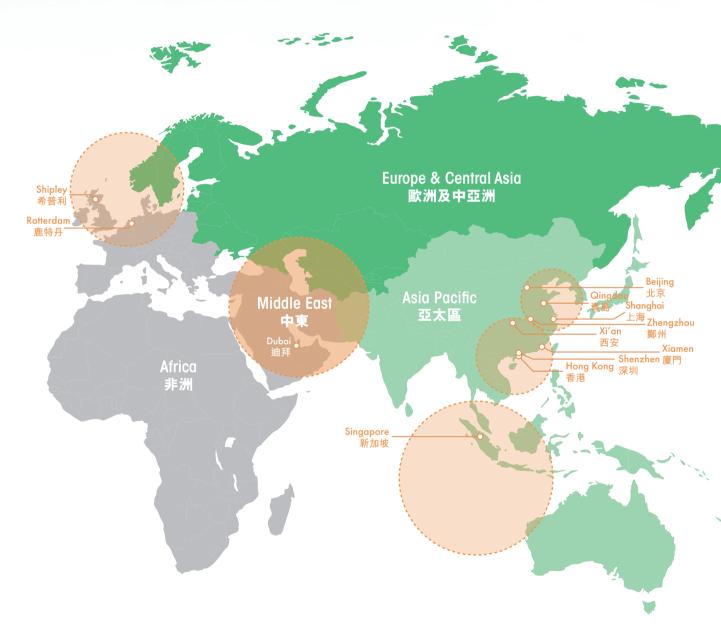
CORPORATE PROFILE | GLOBAL NETWORKS

公司簡介 | 全球網點

GLOBAL SOLUTIONS

環球解決方案

Deep distribution of global hotspots of oil and gas and new energy, boosting the value integration of the offshore engineering and new energy business chains 全球油氣及新能源熱點區域深度佈局,助力海工與新能源業務產業鏈價值整合



- GLOBAL NETWORKS 全球網點
- HOTSPOTS OF OIL AND GAS AND NEW ENERGY 油氣及新能源熱點區域

CORPORATE PROFILE | GLOBAL NETWORKS

公司簡介 | 全球網點

