

Life-time
service
**Versatile
solutions**

全生命保障，全方位服务

中船海洋动力技术服务有限公司
CSSC Marine Service Co.,Ltd.



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🌐 www.csscservice.com

☎ + (86) 21 60750962

📍 8F, Building 6, Lane 3611, Zhangyang Road
Shanghai 200136,China



QUALITY Professional STANDARD

· 品质 · 专业 · 规范 ·

董事长致辞

中船海洋动力技术服务有限公司于2017年1月23日注册成立，她是在我们沪东重机全球服务网络中心的基础上组建而成，是应全球客户对我们的要求而建，也是中船集团战略管控下的重要一步。此次突破，将使我们走向“研发、制造、服务”一体化，最终实现“世界第一海洋动力装备企业”的愿景。

中船海洋动力技术服务有限公司将立足原厂技术、原厂配件，为客户的海洋动力装备提供全生命保障和全方位服务；将肩负起中船集团动力产业、乃至海洋装备的服务使命；将为“发展海洋经济、建设海洋强国”添砖加瓦。

中船海洋动力技术服务有限公司 董事长

2017年6月
中国·上海

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公司的历史可以追溯到1928年创建的，
以船舶和主机维修为主的上海英商马勒机器制造厂。

- 1928年 ● 上海英商马勒机器制造厂成立
- 1952年 ● 上海英商马勒机器制造厂更名为沪东造船厂
- 1960年 ● 中国首台万匹7ESDZ75/160船用大功率柴油机研制成功，并安装在中国第一艘万吨轮“东风号”上
- 1978年 ● 改革开放后第一个引进的柴油机技术专利（Sulzer低速柴油机）签订
- 1980年 ● 沪东造船厂柴油机事业部，从丹麦B&W公司引进B&W低速船用柴油机技术专利
- 1993年 ● 沪东造船厂柴油机销售维修服务中心成立
- 1998年 ● 沪东重机股份有限公司成立，并在上交所上市
- 同年 ● 成立沪东重机股份有限公司实业分公司，专业负责原厂柴油机备件供应
- 1999年9月 ● 更名为沪东重机股份有限公司金桥分公司
- 2004年2月 ● 更名为沪东重机股份有限公司配件分公司
- 2008年1月 ● 更名为沪东重机有限公司上海配件分公司
- 2013年11月 ● 启用HHM全球服务中心称号，并启动全球服务网点建设
- 2017年1月 ● 中船集团重新注资10亿元人民币，成立中船海洋动力技术服务有限公司

Milestone 历史与传承



- 1928 ● Shanghai British Mollers' shipbuilding & Machine Plant was established
- 1952 ● The company changed its name to Hudong Shipyard
- 1960 ● The Chinese first 7ESDZ75/160 high-power marine diesel engine was developed and installed on the Chinese first 10 thousand-ton class ship, "Dong Feng"
- 1978 ● Sulzer low-speed diesel engine Production license was introduced
- 1980 ● B&W low-speed marine diesel engine patent was introduced
- 1993 ● The diesel engine sales and maintenance service centre of Hudong shipyard was established
- 1998 ● Hudong Heavy Machinery Co., Ltd. was established and its branch with the primary business of supplying spare parts of original diesel engines was founded
- 1999 ● The name of its branch was changed to Hudong Heavy Machinery Co., Ltd. Jinjiao Branch
- 2004 ● Renamed to Hudong Heavy Machinery Co., Ltd. Spare Parts Branch
- 2008 ● Renamed to Hudong Heavy Machinery Co., Ltd. Shanghai Spare Parts Branch
- 2013 ● A new service brand of HHM Global TechService Centre (hereinafter as GTS) start using
- 2017 ● CSSC Marine Service Co., Ltd was founded

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About Us 公司简介

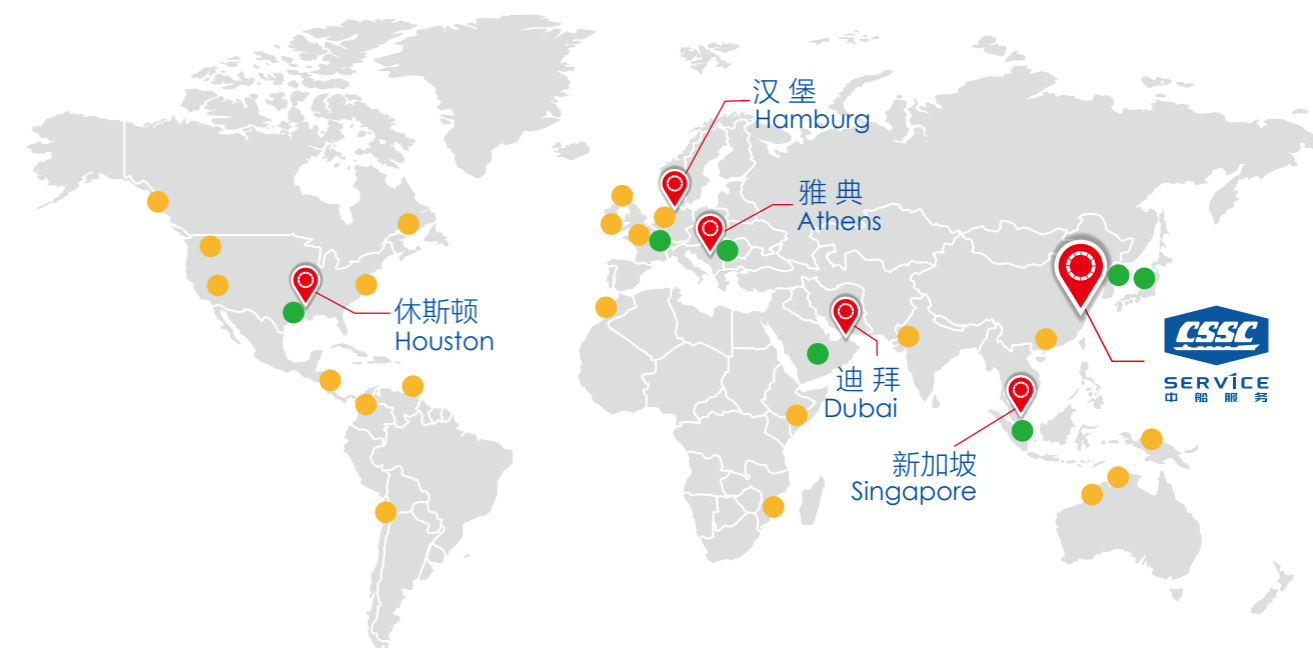
中船海洋动力技术服务有限公司（以下简称：中船服务），是中国船舶工业集团公司（以下简称：中船集团）下属企业，由中船集团旗下中船动力研究院有限公司、中船动力有限公司、中船安庆柴油机有限公司和中国船舶工业贸易有限公司共同投资组建，四大股东分别占股65%、20%、10%、5%。

中船服务于2017年1月23日在中国（上海）自由贸易试验区洋山保税港区内正式成立，注册资本为10亿元人民币。公司注册地址：洋浩路88号1号楼101、201单元，亦是中船服务上海配送中心所在地。

中船服务是中船集团旗下唯一的海洋动力装备服务平台，肩负着为客户提供船舶及船用设备全生命保障、全方位服务的使命。

CSSC Marine Service Co., Ltd (hereinafter as CMS) is a new subsidiary of China State Shipbuilding Corporation(CSSC), jointly invested by China Shipbuilding Power Engineering Institute Co., Ltd. (65%), CSSC Marine Power Co., Ltd. (20%), Anqing CSSC Diesel Engine Co., Ltd. (10%) and China Shipbuilding Trading Co., Ltd. (5%). CMS was registered in Yangshan Free Trade Port Area of China (Shanghai) Pilot Trade Free Zone on January 23th, 2017 with the registered capital of one billion RMB. The registered location of CMS is Unit 101-201, Building 1, No.88 Yanghao Road, which is also the location of the Shanghai Distribution Center.

CMS is the exclusive marine equipment service platform of CSSC, shouldering the mission of offering life-time service with versatile solutions about vessels and equipments to all customers.



After service of HHM and CMD engines HHM 和CMD售后服务保障

沪东重机有限公司（以下简称HHM）是中国最早引进Sulzer和B&W低速柴油机专利技术制造的中国机厂，并于2005年与日本三井造船、中船集团共同出资在上海临港建立了上海中船三井造船柴油机有限公司（以下简称CMD）。

根据集团专业化分工要求，及与HHM、CMD明确的权责约定，自2017年6月起，HHM和CMD生产制造的低速柴油机，自交船之日起的主机质保期服务，由中船服务承担。

中船服务“7天24小时”，保障主机的运行安全。



E-Mail
service.sha@CSSCservice.com

Service hotline
+86 21 6075 0962

Hudong Heavy Machinery Co., Ltd. (hereinafter as HHM) is the earliest manufacturing enterprise who introduced the patented of B&W low-speed diesel engine and Sulzer Low-speed diesel engine to China. In 2005, HHM invested and holds the joint venture of CSSC-MES Diesel Co., Ltd. (hereinafter as CMD) in Lingang harbour, Shanghai with Japan MES Diesel Co., Ltd.

According to business division and specialization requirement, CMS will provide guarantee period service for the low-speed diesel engine manufactured by HHM and CMD on the basis of specialization and the agreement between relevant parties from the date of engine delivery to yard.

The working time of CMS is 7 days * 24 hours, which will ensure the safe operation of main engines.

Original Spareparts 原厂备件

根据中船集团专业化分工，中船服务承担着HHM和CMD制造的主机从交船之日起至全生命周期的服务与原厂备件供应的责任。

以HHM和CMD的原厂技术和经验为基础，以原厂零件供应体系为支撑，中船服务对所有交付的柴油机进行档案式管理与运行分析，常年储备原厂备件。同时，在紧急情况下，可设法协调生产线上的新机零件货源，以满足船东紧急需求。



According to business division and specialization, CMS is taking the mission to supply original spareparts and life-time service to HHM and CMD made low-speed diesel engines from the date of engine delivery to yard.

On basis of HHM and CMD's original technology and manufacture experience, supported by original supply chain, CMS managements all delivered engine records and document, keep safe stock with original spareparts for delivered engines. And in emergency situation, CMS could manage to coordinate with HHM and CMD of their productions on the line for urgent spareparts demands .



Original spareparts for MAN B&W low-speed diesel engines:

Cylinder diameter	Engines type
35	S35MC、S35ME-B
40	G40ME-C、S40ME-B
42	L42MC、S42MC
45	G45ME-B
46	S46MC-C、S46ME-B
50	L50MC、S50MC、S50MC-C、S50ME-C、S50ME-B、G50ME-B、S50ME-C-GI
55	L55GA、L55GFCA
60	L60MC、S60MC、S60MC-C、S60ME-C、G60ME-C、G60ME-B
70	L70MC、S70MC、S70MC-C、S70ME-C、G70ME-C
80	K80MC-C、S80MC、S80MC-C、K80ME-C、S80ME-C、G80ME-C
90	K90MC-C、S90MC-C、S90ME-C
98	K98MC



Original spareparts for WinGD low-speed diesel engines:

Cylinder diameter	Engines type
35	W-X35-B
40	W-X40-B
48	RTA48、RT-flex48T
50	RT-flex50B、RT-flex50D、RTF50DF
52	RTA52U、W-X52
58	RTA58T、RT-flex58T
60	RT-flex60C
62	RTA62U、W-X62
72	RTA72U-B、W-X72
68	RTA68B、RT-flex68B、RT-flex68D
82	RT-Flex82T、RT-flex82C、W-X82
84	RTA84、RT-flex84
92	W-X92
96	RTA96、RT-flex96



Field Service 现场服务

<h3 style="text-align: center;">技术咨询及定制化服务</h3> <ul style="list-style-type: none"> ● 技术咨询 ● 主机性能评估与优化 ● 管理助手 (Management Assistance) 服务 ● 中船服务可为客户定制 Management Assistance 服务, 协助船舶管理公司和船东监控主机运行状态、定期为主机进行维护保养工作, 每年对主机进行性能评估并提供评估报告。 ... 	<h3 style="text-align: center;">维修类</h3> <ul style="list-style-type: none"> ● 主机常规维护修理 (吊缸、拆运动部件、缸套修理) ● 主机机体部件修理: 曲轴、缸体、机座、机架、轴承等; ● 主机曲轴主轴颈、曲柄销修理 ● 主机启动、运行故障处理 ● 零部件翻新: 缸盖、排气阀、活塞、喷油器、ICU等 ... 	<h3 style="text-align: center;">改造类</h3> <ul style="list-style-type: none"> ● 主机降功率改造 ● 主机停增改造 (适用于配置有两台以上增压器主机) ● 主机排放改造 (加装SCR后处理系统) ● ALPHA注油器改造 (MAN主机机械式注油器改为ALPHA注油器) ● CLU-4注油器改造 (WinGD主机CLU-3注油器系统改为CLU-4注油器系统) ● ME系列主机独立液压油模块改造 ● 新增轴承磨损监测系统 ● 油雾探测器改造 ● HJ注油器改造 ● 主机PMI系统改造 ...
	<h3 style="text-align: center;">保养类</h3> <ul style="list-style-type: none"> ● 气动阀件保养 ● Alpha或CLU-4等气缸注油器维护保养 ● 整机保养 ... 	

Retrofit

- Slow steaming upgrade
- Retrofit of T/C cut off of main engine (suitable for the engine with more than two Turbocharges)
- Retrofit of exhaust system of main engine (with SCR system)
- Upgrade to ALPHA lubricating system
- Upgrade to CLU-4 lubricating system
- Upgrade to independent hydraulic oil system on ME engine
- Install bearing wear monitoring system
- Install oil mist detector
- Retrofit of HJ lubricating system
- Upgrade PMI system of main engine
- ...

Repair Service

- Field service of main engine
- On-site repair of main engine components, including cylinder block, bedplate, A-frame, bearing guider, etc.
- On-site repair of main journal of crankshaft and crank pin
- Engine operating trouble shooting
- Recondition of components, including cylinder cover, exhaust valve spindle, piston crown, piston rod, ICU, etc.
- ...

Maintenance Service

- Maintenance service of pneumatic valves
- Maintenance service of lubricating system
- Maintenance service for main engine
- ...



Technical Consulting and Customization Service

- Technical consulting
- Evaluation and improvement of main performance of main engine
- Management Assistance Service

CMS can provide the customized Management Assistance Service by giving assistance to monitor the operating status, providing regular maintenance service and offering yearly assessment report of primary performance of main engines for ship management companies and ship-owners.



Training 培训

作为服务客户的一部分，中船服务与HHM培训中心不断地开发新的培训课程，依托HHM和CMD专业、丰富的制造经验和专业化设备，常年为客户提供柴油机技术培训。

课程内容涉及MAN B&W二冲程柴油机、WinGD二冲程柴油机、四冲程柴油机、SAM、KONGSBERG遥控系统，ABB增压器，Hans Jensen注油系统等。

并可根据客户需求，设计开发新的培训课程。

如有兴趣，可从官网获得更为详细的信息。

Distribution Center 配送中心

中船服务的配送中心，位于中国（上海）自由贸易试验区洋山保税港区内。目前，中船服务在上海配送中心，库存零部件种类达2万多种，可满足自产低速柴油机的常规备件需求；借助信息化手段有效提高备件供应速度。

QHSE System 管理体系

中船服务正依据国际领先水平的QHSE管理体系的标准进行建设。QHSE管理体系涵盖了：ISO9001质量管理体系、ISO14001环境管理体系，OHSAS18000职业健康安全管理体系。

QHSE管理体系的建设将使中船服务成为客户更加信赖的产品与服务的提供者。



QHSE System

CMS is constructing the management system in accordance with the standard of QHSE Management system.

The QHSE includes: ISO9001, ISO14001 and OHSAS18000.

The QHSE management system is promoting CMS to be more trustworthy to our customers in products and services supply.

Training

As a part of service to customer, we are always developing training course together with HHM Training Center based on professional technology, manufacture experience and facilities, and supply to customers.

Customers will obtain the professional technical training on diesel engine in HHM Training Centre. The training courses cover MAN B&W two-stroke diesel engine, WinGD two-stroke diesel engine, four-stroke diesel engine, SAM, KONGSBERG Remote Control System, ABB T/C, Hans Jensen Injection System, etc.

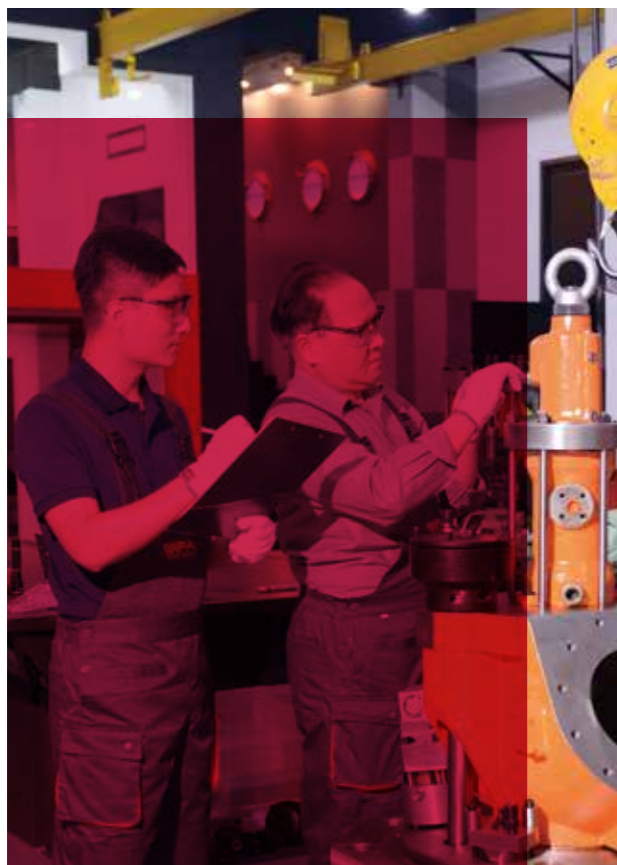
Training course can also be tailor made according to customer's requirements.

More information and the latest training courses, please visit our website: www.csscservice.com

Distribution Center

The Distribution Center of CMS is located in Yangshan Free Trade Port Area of China (Shanghai) Pilot Trade Free Zone.

Currently, in Shanghai Distribution Center, there're more than 20,000 kinds of original spare parts for low-speed engines in store in the first phase. The efficiency of spareparts delivery is obviously improved with the help of information technology.



Speech by President

We, CSSC Marine Service Co.,Ltd.is established in 2017, a new family member of China State Shipbuilding Corporation.

From today we will be focussing on providing more choices to you to receive competitive OEM priced parts and services.

Our logistics centre will act as the hub for our global distribution system and we aim to be capable and efficient on key engine components within 2017.

And our headquarters will focus on the field and technical service expansion worldwide. This will take time and energy to ensure we are in the right places to support your vessels.

I have every confidence that our young, exciting and energetic team will progress very quickly. I also receive many confident messages from customers and experts who want to cooperate with our company.

Our philosophy is to cooperate with you by providing services that produce mutual benefits for many years.

总经理 Andrew Stump

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Contact us

备件销售 / Spareparts : sales.sha@csscservice.com
 服务业务 / Service : service.sha@csscservice.com

技术咨询 / Technical : operations@csscservice.com
 改进意见 / Marketing : marketing@csscservice.com