浙江海骊达环保科技有限公司

HILIDA ENVIRONMENTAL PROTECTION TECHNOLOGY Co., Ltd

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海骊达

HILIDA ENVIR-TECH

专注，只为碧海蓝天！

Devoted，Exclusively to Azure Seas and Skies!

Contents
目录

赋能绿色航运、践行双碳目标、共享碧海蓝天

Empowering Green Shipping，Advancing Dual-Carbon Goals，Sharing Blue Skies and Clear Seas.

浙江海骊达环保科技有限公司位于以“海天佛国”闻名于世的浙江省舟山市，秉承“赋能绿色航运、践行双碳目标、共享碧海蓝天” 企业使命，致力于船舶清洁能源系统综合解决方案的研发、设计、生产及配套应用。依靠卓越的管理团队和强大的研发设计团队，相继开发定型液化天然气燃料供气系统、甲醇燃料供给系统、电动船舶动力系统、船岸连接系统、机舱监控报警系统、不锈钢双壁管等多项产品，广泛应用于大量船舶及船舶制造企业,得到用户一致好评。

Zhejiang Hilida Environmental Protection Technology Co., Ltd. is located in Zhoushan, Zhejiang Province, a city famed as the “Sacred Buddhist Land of Sea and Heaven”, upholds the corporate mission of “Empowering Green Shipping，Advancing Dual-Carbon Goals，Sharing Blue Skies and Clear Seas”, and is committed researching, designing, producing, and implementing clean energy supply system solutions for marine industry. Powered by an exceptional leadership team and cutting-edge R&D capabilities, Hilida has pioneered innovative solutions and products like FGSS, LFSS, Electric Ship Drive System, Ship to Shore Linkage System, Alarm Monitoring system, earning widespread recognition and customer acclaims.

车间环境
Workshop environment

办公环境
Office environment

02 Development History 发展历程

公司成立
Establishment
2022.7

通过质量管理体系认证
QMS Certified as per ISO9001
2022.10

入住定海工业园科创培育中心
Relocated to Dinghai innovative Industrial Park
2023.7

全资子公司欧星优成立
Ocean U Establishment
2024.1

升级为规模以上工业企业
Designated Size Industrial Enterprise
2024.3

获省科技型中小企业认证
Qualified as Provincial Science & Technology Small &Medium Enterprise
2024.12

获高新技术企业认证
Qualified as Hi-tech Enterprise
2024.12

通过质量环境职业健康安全管理体系认证
Certified by CCSI for ISO Triple Management Systems (ISO9001/ISO14000/ISO45001)
2025.2

- 获省创新型中小企业认证
  Qualified as Provincial Innovative Small and Medium Enterprise
- 获浙江省专精特新中小企业认证
  Specialized, Sophisticated, Differential and Innovative Small & Medium Enterprise

2025.6

- 获省科技型中小企业认证
  Provincial Technology-based Small & Medium Enterprise
- 获舟山市企业研究开发中心认定
  Qualified as Zhoushan Research & Development Center of Enterprise

2025.8

03 Qualifications and honors 资质荣誉

浙江省专精特新中小企业荣誉证书
Specialized, Sophisticated, Differential and Innovative Small & Medium Enterprise

高新技术企业证书
Hi-Tech Enterprise

浙江省创新型中小企业荣誉证书
Provincial Innovative Small & Medium Enterprise

浙江省科技型中小企业证书
Provincial Technology-based Small & Medium Enterprise

意大利船级社证书
AIP Certificate for LFSS by RINA

中国船级社型式认可证书
Product Approval Certificates by CCS

质量环境职业健康安全管理体系证书
Certified by CCSI covering Quality, Environment and Occupation, Health and Safety Management

04 Corporate culture 企业文化

01 企业精神 Collective Ingenuity

行业引领 科技驱动 创新超越 共创未来

Pioneering Industries, Technology-Powered, Transcending via Innovation，Co-Creating Tomorrow.

02 质量方针 Quality Policy

质量第一 客户至上 持续改进 追求卓越

Primacy of Precision. Customer-Centricity. Perpetual Progress. Designed Excellence.

03 公司愿景 Corporate Vision

打造船舶新能源应用领域头部企业

To Forge the Flagship Enterprise in Marine Clean Energy Application.

04 公司使命 Corporate Mission

赋能绿色航运 践行双碳目标 共享碧海蓝天

Enabling Green Shipping, Achieving Carbon Neutrality，Co-Stewarding Blue Horizons.

05 公司核心价值观 Values

成就客户 成就自我 诚信进取 开拓创新

Achieve Customer Success, Achieve Collective Growth, Act with Integrity and Drive, Explore and Innovate

研发团队
R&D Team

公司拥有卓越的研发团队与工艺精湛的技工队伍。研发团队由专事系统研究三十多年的专家领衔。既有一批在结构设计、有限元计算、自动化编程和生产设计等方面实战经验丰富的工程师，也有一支思维缜密、极富创造力与首创精神、激情迸发的、由浙江海洋大学博士生导师带领的博士、硕士生组成的研究团队。卓越的研发团队为产品技术领先、性能可靠提供了坚实的保证。而经验丰富的技术工人队伍和以过程控制 为抓手、精益求精的质量检验小组，把设计的精髓融进了产品制造的每一个细节，成就了高质量的产品。

The company boasts an outstanding R&D team and a skilled technician team with exquisite craftsmanship, The R&D team is led by experts with over thirty years of experience in system research, encompassing structural design, finite element analysis, automated programming, and production design; The team also includes a group of highly intelligent, innovative, and passionate researchers, steered by a Doctoral supervisor from Zhejiang Ocean University, comprising Doctors, master students, and undergraduates; all dedicated to advancing technical leadership and product reliability through cutting-edge research.
The experienced technical workers and quality control subgroup, with a focus on process control and meticulous inspection, have integrated the essence of design into every detail of product manufacturing, resulting in high-quality products.

05 R&D 研发实力

浙江欧星优新能源系统工程有限公司
Zhejiang Ocean-U New Energy System Engineering Co., Ltd.（Ocean-U）

欧星优以船舶清洁能源供应系统研发为核心，大型船舶工程有限元分析服务和船舶大数据技术服务为两翼，聚集浙江海洋大学高层次人才队伍，走"双融合"协同发展道路，主要研发甲醇等燃料供应系统，电力推进系统成套技术，船舶直流微电网技术、船舶与海洋工程规模有限元分析，船舶数字化信息服务与大数据分析。

Ocean-U is centered on research and design of clean energy supply system for marine applications, combining services of, finite element analysis for shipbuilding engineering, and big data technology for vessels, gathers high level talents from Zhejiang Ocean University. Its R&D covers Intelligent Supply System for Methanol, LNG and Amonia. Integrated Technology of Electric Propulsion System. Marine DC Microgrid Technology. Finite Element Analysis of Large-Scale Model for Ships and Marine Engineering. Marine Digital Information Service and Big Data Analysis.

浙海大-海骊达船舶清洁能源技术与装备研究院
Clean Energy Technology and Equipment Research Institute of ZOU-HILIDA

致力于建设船舶清洁能源应用领域头部企业，浙江海洋大学和浙江海骊达环保科技有限公司于2023年联合成立了浙海大-海骊达环保技术与装备研究院。研究院聚焦船舶清洁能源应用技术的开发，能源供应系统安保与控制系统的研发。通过产学研用的融合，校企协同、优势互补，持续推动创新，实现了双赢。

Aiming to be a leading company in the field of marine clean energy application by combining strengths, Zhejiang Ocean University (ZOU) and Zhejiang Hilida Environmental Technology Co., Ltd. (HILIDA) established jointly the Research Institute in 2023. It is focused on developing application technology of marine clean energy, research and design of security & control of energy supply system. Comprehensive collaboration between university and enterprise，via integrating industries, research institutions and practical applications, drives continuously innovation and achieves shared success.

专利技术
Patents

截至目前，公司拥有基于舶用甲醇供给系统的自动补偿装置等发明专利6项、基于物联网的管道试压装置等实用新型专利2项、船舶天然气供气控制系统等计算机软件著作权5项。

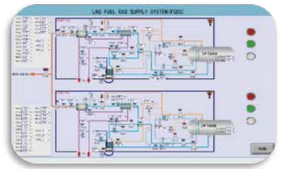
Till today, the Company has obtained 6 invention patents, including an automatic compensating device for marine methanol supply system; 2 utility model patents, including a pipeline pressure testing device based on Internet of Things; 5 computer software copyrights for marine LNG supply control system.

系统稳压恒温控制技术

System Pressure Stabilization and
Constant Temperature Control Technology

稳定运行，精确调整
智能感测，能效优化

Stable Running　Precise Adjusting
Intelligent Sensing　Energy Efficiency Optimizing

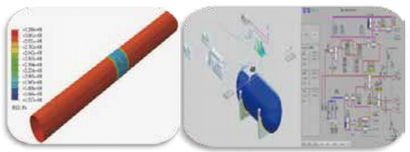


自动控制与检测技术

Automatic Control and Detection Technology

自动操作 安全可靠 实时控制 故障预测

Automatic Operation　Safe & Reliable
Real-time Control　Fault Prediction



有限元计算及数据驱动模拟仿真技术

Finite element Calculation & Data-driven Simulation Technology

精准分析 结构优化 预测模拟 问题发现

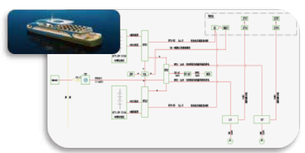
Precise Analysis　Structure Optimization
Predictive Simulation　Problem Identification

双壁管缠绕保温及真空技术

Double-wall Pipe Winding Insulation and Vacuum Technology

热损最小　强度增加　防泄设计　管道保护

Minimized Heat Loss　Enhanced Strength
Anti-leakage Design　Pipeline Protection



混动/纯电动力推进技术

Hybrid & Pure Electric Power Propulsion Technology

能效优化 零碳排放 高效电机 效率提升

Optimized Energy Efficiency　Zero Carbon Emission
High Efficient Motor　Elevated Efficiency

船岸连接安全控制技术

Ship-Shore Link Safety Control Technology

可靠连接 紧急切断 高级通讯 协议安全

Reliable Connection　Emergency Shut Down
Advanced Communication　Protocol Security

关键工序 自主控制！

Key processes by own employees!

1 原理设计
Design & Engineering

2 生产制造
Manufacturing

3 过程控制
Process Control

4 性能检验
Performance examination
and Verification

5 安装调试
Onboard Installation
& Commissioning

6 售后服务
After Service

甲醇燃料供应系统（LFSS）

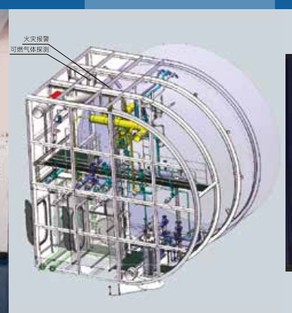
得益于国家关于运营老旧船舶报废的补贴政策，甲醇作为海上燃料日益受到越来越多航运公司欢迎。公司研发制造甲醇燃料供应系统多年，智能控制技术日臻完善，产品运行稳定，性能优异，得到众多用户一致好评，新订单应接不暇。

Thanks to the national subsidy policy for scraping old in-operating ships, methanol is increasingly favored as a marine fuel by more and more shipping companies. Hilida has been dedicated to developing, engineering & producing methanol supply system(LFSS) for years, intelligent control technology is becoming increasingly sophisticated, the in-use LFSSs operate reliably and performed excellently. It has received unanimous praise from numerous customers.

液化天然气燃料供气系统（FGSS）

液化天然气（LNG）具有低排放物，高热值、较高经济性的特点，已经成为当下广泛应用的船舶动力替代燃料。公司成功研发并掌握LNG加注、超低温换热、集成控制及安保、预冷、蒸发气处理、隐压等关键技术。能为船舶提供高集成度，高智能化、高性价比，安全可靠的液化天然气燃料供应系统。

LNG, with its characteristics of low emissions, high calorific value and relatively high economic efficiency, has become a widely used alternative fuel for ship propulsion at present. Hilida developed successfully and masters key technologies for LNG, including bunkering, ultra-low temperature heat exchange, integrated control and safety & Security, and boiled off gas treatment, pressure stabilization. It can provide FGSS with high integration, high intelligence, high cost performance, safety and reliability for ships.



08 Main Products 主要产品

船岸连接应急切断系统（ESD）

Ship to Shore Link Emergency Shut-Down System

船岸连接应急切断系统是液化天然气、甲醇以及各类危化品在船舶装卸过程中的必备装置。当货船相对于岸的位移达到限位或发生意外时，系统通过同步关停船舶和岸上的泵阀等设施，立即停止正在进行的工作，避免溢出或更大风险。公司基于SIGTTO推荐的船岸连接技术标准，自主开发了船岸连接应急切断系统，已被众多用户采用，得到业界广泛认可。

The ship to shore link emergency shut-down system is an essential device for the loading and unloading of liquefied natural gas, methanol, and various hazardous chemicals on ships. When the displacement of the ship relative to the shore reaches the limit or an accident occurs, the system immediately stops the ongoing work by simultaneously shutting down the pumps, valves, and other facilities on both the ship and the shore, thus preventing overflow or greater risks. Based on the ship-shore link technical standards recommended by SIGTTO, our company independently developed the ship-shore link emergency shut-down system, which has been adopted by domestic and overseas customers and widely recognized in the industry.

船舶机舱监控报警系统(AMS)

Engine Room Alarming & Monitoring System (AMS)

船舶机舱监测报警系统是船上最重要的监测设施，可替代人工实时检查、监控机舱中主要设备的工作状态，参数异常时及用发出报警信号。公司研制的船舶机舱监控报警系统技术先进、性能稳定，通过了中国船级社型式认可与产品检验，得到了业界广泛赞许。

Engine Room Alarming and Monitoring System is a very important system onboard a vessel. It monitors in real time working status of key equipment in engine room and will alarm when abnormal parameters are detected. The AMS developed by Hilida features advanced technology and stable performance, obtains type approval and product certificates by CCS.

08 Main Products 主要产品

电动船舶动力系统

Electric Ship Power System

公司成立全资子公司，组建电动船舶专门研发团队。形成研发、设计、建造、运维一体化核心技术服务能力，为客户提供系统化的纯电，混电船舶动力系统集成解决方案，已开发纯电池动力渡海客船、纯电池动力快艇、纯电池动力无人艇等多种船型。

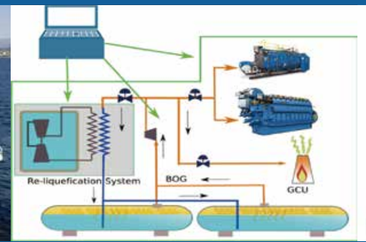
Hilida established a wholly-owned subsidiary and formed a dedicated R&D team for electric vessels. It has developed an integrated core technical service capability covering R&D, design, construction, and operation and maintenance, providing customers with systematic integrated solutions for pure electric and hybrid vessel power system. It has developed various vessel types such as pure battery-powered passenger ferries, pure battery-powered speedboats, and pure battery-powered unmanned vessels.

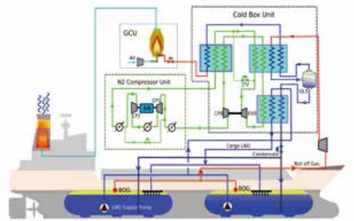
不锈钢双壁管

Stainless Steel Double-Wall Pipe

相较于以往使用的单壁管，不锈钢双壁管具有更高的强度、更好的密封性和防腐蚀性，能够有效防止管道内介质的泄漏和管道的锈蚀，更利于保障供气安全、降低维护成本和保护环境。公司经过多年研发，成功攻克加工、装配、检测等技术难关，实现大尺寸范围不锈钢双壁管量产。

Compared with the single-wall tubes, stainless steel double-wall tubes have higher strength, better sealing performance and corrosion resistance. They can effectively prevent the leakage of medium inside the pipes and the rusting of the pipeline, which is more conducive to ensuring supply safety of medium, reducing maintenance costs and protecting the environment. After years of research and development, Hilida has successfully overcome technical difficulties such as processing, assembly and testing, and achieved mass production of large-sized stainless steel double-wall tubes.





蒸发气再液化装置

Boil Off Gas Re-liquefaction Unit

公司开发的蒸发气(BOG)再液化装置，主要由氮气自循环、深冷、再夜化、气体燃烧和控制等模块组成。可以将LNG储罐中的蒸发气再液化后注回储罐，同时控制储罐内温度，抑制蒸发气的产生。

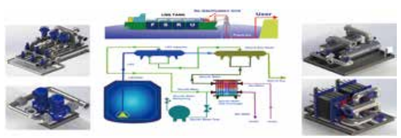
The BOG (boil-off gas) re-liquefaction unit developed by Hilida mainly consists of nitrogen self-circulation, deep cryogenics, re-liquefaction, gas combustion and control modules. It can re-liquefy the boil off gas in the LNG storage tank and inject it back into the tank, while controlling the temperature inside the tank to suppress the generation of boil off gas.

浮式存储及再气化装置（FSRU）

Floating Storage & Regasificaction Unit

浮式存储及再气化装置是一种集LNG存储和船载再气化装置于一体的多功能系统。与陆上装置相比，FSRU的优点是建造成本低、建造工期短、安置灵活。此外，FSRU还可由现有的LNG运输船改装而成，建造周期更短，经济效益更高。

The floating storage and regasification unit (FSRU) is a multifunctional system integrating LNG storage and shipborne regasification facilities. Compared with onshore facilities, the advantages of FSRU include lower construction costs, shorter construction periods, and flexible placement. Moreover, FSRU can be refitted from existing LNG carriers, further reducing the construction period and enhancing economic benefits.



09 Business Ecosystem 企业生态

宁波中策动力机电集团有限公司
Ningbo CSI Power & Machinery Co., Ltd.
甲醇燃料供应系统/LFSS

01

Applications
典型应用

重庆泽胜凯吉船舶技术有限公司
Chongqing Zesheng-Kaiji Ship Technology Co.,Ltd.
110米油化船甲醇燃料供应系统
LFSS for 110m Oil & Chemical Tanker

02

重庆乾峰船务有限公司
Chongqing Qianfeng Shipping Co., Ltd.
110米油化船甲醇燃料供应系统
LFSS for 110m Oil & Chemical Tanker

03

中船动力集团沪东重机有限公司
CSSC Power (Group) Corporation Limited-HHM
200吨浮吊船LNG供气系统
FGSS for 200T Floating Crane Boat

04

05

中远海运重工（舟山）有限公司
COSCO Shipping Heavey Industry (Zhoushan) Co., Ltd.
船岸连接应急切断系统
Ship to Ship Link Emergency Shut Down System

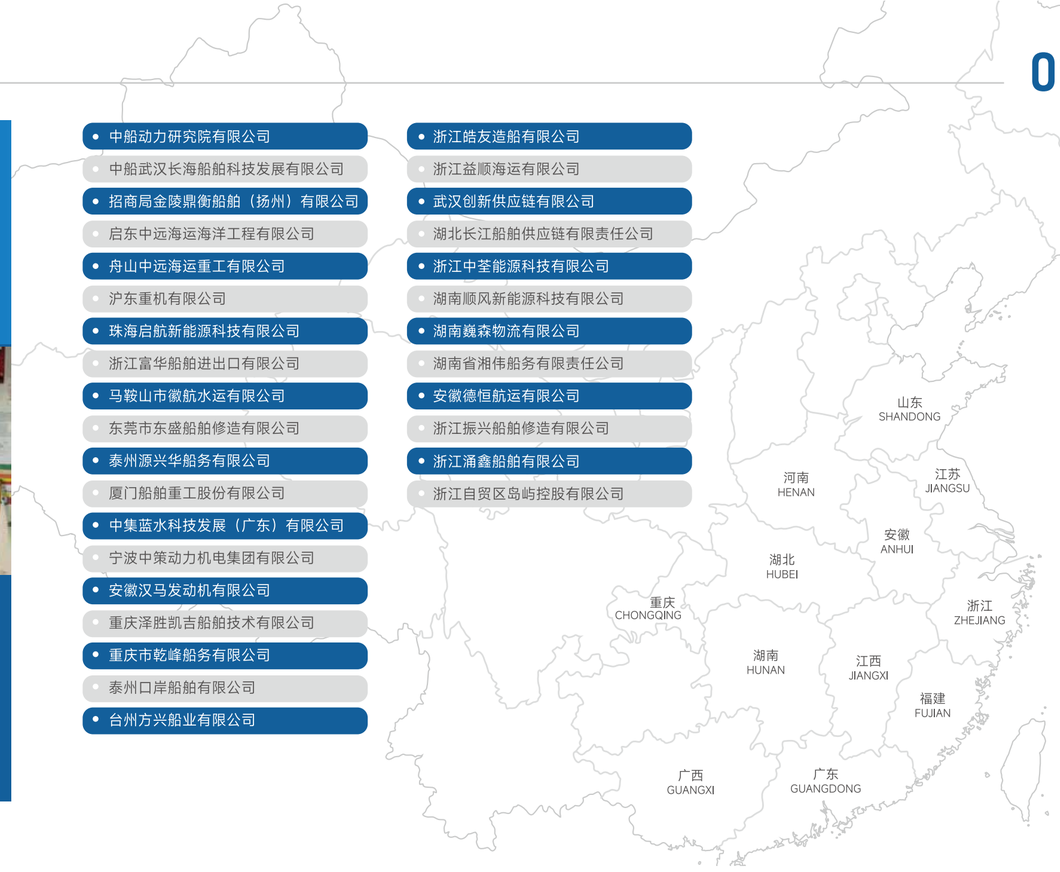
06

招商金陵船舶（扬州）有限公司
China Merchants Jinling Shipbuilding (Yangzhou) Co., Ltd.
船岸连接应急切断系统
Ship to Ship Link Emergency Shut Down System

07

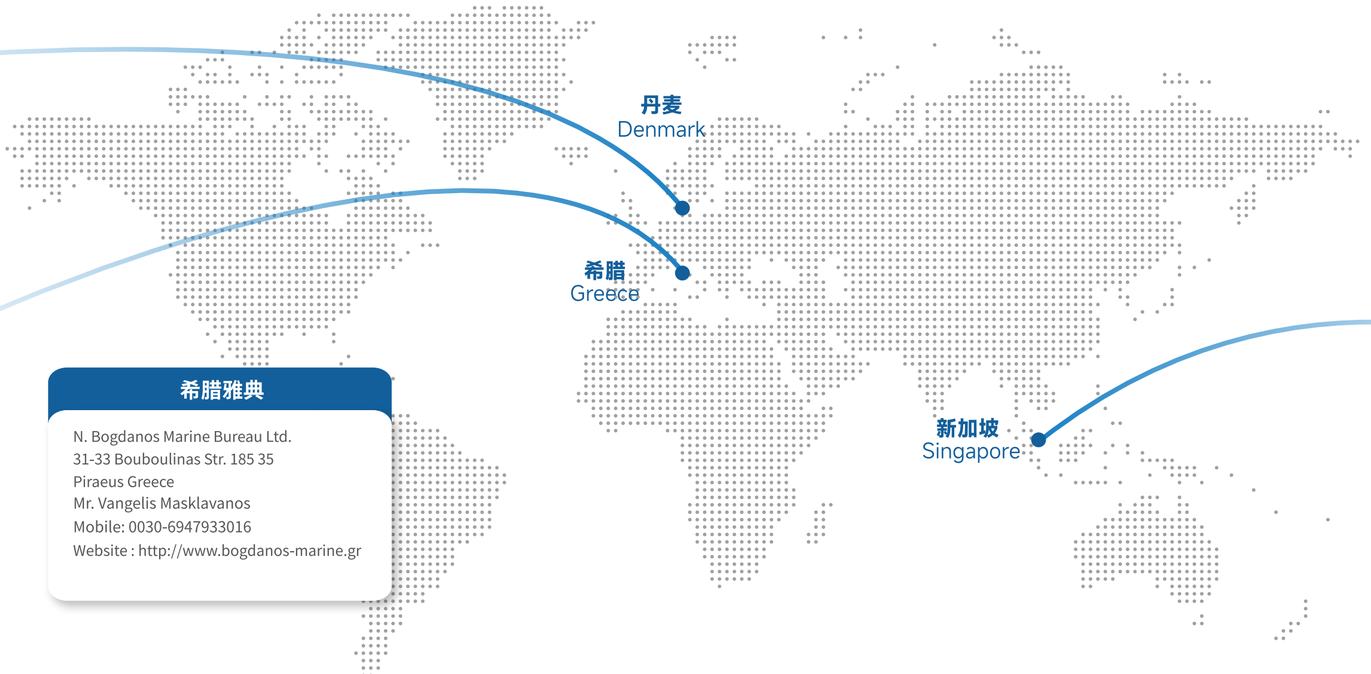
浙江富华船舶进出口有限公司
Zhejiang Fuhua Ship Import & Export Co., Ltd.
船岸连接应急切断系统
Ship to Ship Link Emergency Shut Down System

- 中船动力研究院有限公司
- 中船武汉长海船舶科技发展有限公司
- 招商局金陵鼎衡船舶（扬州）有限公司
- 启东中远海运海洋工程有限公司
- 舟山中远海运重工有限公司
- 沪东重机有限公司
- 珠海启航新能源科技有限公司
- 浙江富华船舶进出口有限公司
- 马鞍山市徽航水运有限公司
- 东莞市东盛船舶修造有限公司
- 泰州源兴华船务有限公司
- 厦门船舶重工股份有限公司
- 中集蓝水科技发展（广东）有限公司
- 宁波中策动力机电集团有限公司
- 安徽汉马发动机有限公司
- 重庆泽胜凯吉船舶技术有限公司
- 重庆市乾峰船务有限公司
- 泰州口岸船舶有限公司
- 台州方兴船业有限公司
- 浙江皓友造船有限公司
- 浙江益顺海运有限公司
- 武汉创新供应链有限公司
- 湖北长江船舶供应链有限责任公司
- 浙江中茎能源科技有限公司
- 湖南顺风新能源科技有限公司
- 湖南巍森物流有限公司
- 湖南省湘伟船务有限责任公司
- 安徽德恒航运有限公司
- 浙江振兴船舶修造有限公司
- 浙江涌鑫船舶有限公司
- 浙江自贸区岛屿控股有限公司



Main customers
主要客户
31家

10 Service network 服务网络



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Mail: VKois@sabo.gr
Technical@sabo-marine.gr
Spares@sabo-marine.gr

希腊雅典

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31-33 Bouboulinas Str. 185 35
Piraeus Greece
Mr. Vangelis Masklavanos
Mobile: 0030-6947933016
Website : http://www.bogdanos-marine.gr

全球服务

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邮件：biz@hilida.cn

新加坡

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