MARINE SOLUTION



STATE PARTICIPANTE

ATAI

We build a better Future!

(FI)

IT NEVER

NEW MILLING

Dear Sirs,

Since its foundation in 1973, Hyundai Heavy Industries, Co., Ltd. has grown to become the world's largest shipbuilder and the manufacturer of choice for more than 12% of new orders in the global marine and shipbuilding markets. This remarkable growth has been fueled by our devotion to technological excellence and giving our esteemed customers the highest standards of durability, performance and value in every order.

These hallmarks of Hyundai quality distinguish our industrial products as well. Hyundai Heavy Industries group is rapidly becoming the global leader in heavy machinery and construction equipment, engines, industrial plants, offshore facilities, electrical equipment, and industrial robotics. And with nearly 40 years of broad-based technical and engineering expertise, we are ready to provide you with state-of-the-art innovation and proven reliability in all our products.

As a result of our broad-based production of cutting edge technologies, Hyundai Electric & Energy System have accumulated an enormous amount of theoretical and practical experience in this very competitive industry and have emerged as a highly dependable manufacturer in a conglomerate way to manufacture ships, we would like to present our shipbuilding equipment of the most proud high quality and reliability.

With renewed pride and enthusiasm, Hyundai takes on the challenges of the future, sparing no effort to complete quality power plants in the best interests of its valuable customers.

Thank you.



Marine Engine & Equipment

- Diesel Engine
- Propeller & Shaft
- HiMSEN Engine
- Steam Turbine
- Thrusters - Pumps
- EcoBallast Walter Management System



Rotating Machinery

- Alternator

- Motor



Automation Systems

- Alarm & Cargo Monitoring System
- Bridge Navigation System
- Remote Diagnostic System
- Bridge Navigation Watch Alarm System

System

HiMSEN Engine

- H17/28
- H17/28E
- H21/32
- H25/33 - H32/40
- H32/40



Switchgear

- Medium & High Voltage Switchboard
- Low Voltage Switchboard
- Ring Main Unit
- Vacuum Circuit Breaker
- Air Circuit Breaker
- Power Management System & Protection Relay



Transformers & Inverters

- Dry Transformer
- Cast Resin Transformer
- Inverter

Engine & Equipment



Diesel Engine

- Hyundai-MAN B&W
- Hvundai-WÄRTSII Ä
- Engine Components:
- Bed Plates C
- Frame Boxes Cro
- Cylinder Liners Cylin



Propeller & Shaft

• Propeller

- Max: 120 Ton in Weight, 11m in Diamete
- Min: 10Ton in Weight, 3m in Diamete
- Shaft Rudder
- Max: 150Ton in Weight, 2,200mm in Diameter, 18,000mm in Length



HiMSEN Engine

- H17/28: 575 ~ 1,000kW
 - 980kW H25/33: 1,440
 - H32/40V/: 6 000 ~ 10 000



Steam Turbine

- +P/LP Turbine Capa.: 20,000 ~ 50,000PS
- Components: HP/IP Turbine Casing, LP Turbine Casing,
 - Rotor Shaft, Blade e



Thrusters

- CPF
- Propeller O.D: 1,000 ~ 3,400mm - Motor Output: 300 ~ 4,000kW FPP
- Propeller O.D: 1,000 ~ 2,000mm
 Motor Output: 300 ~ 1,200kW



Pumps

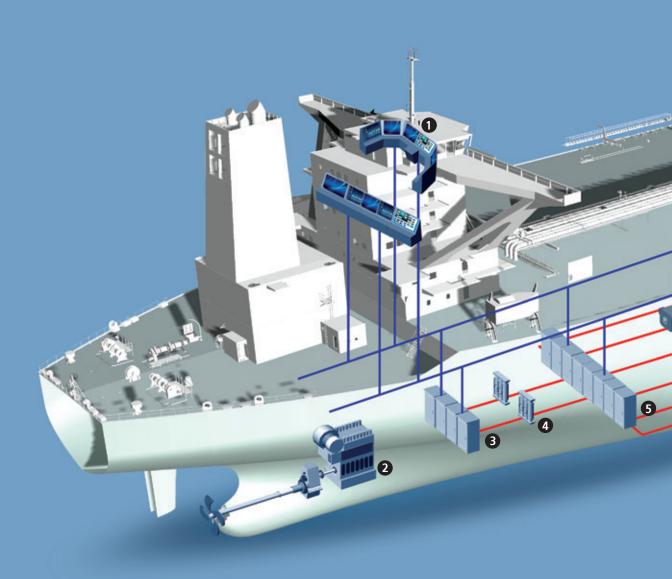
- Cargo Oil Pumping System
- Steam TurbineSubmerged Cargo
- Pumping System



Ballast Water Management System

EcoBallast - Filter Unit - UV Lamp ullast Unit - Electrol

Excellence in N



Automation System



System

System

System

Alarm System

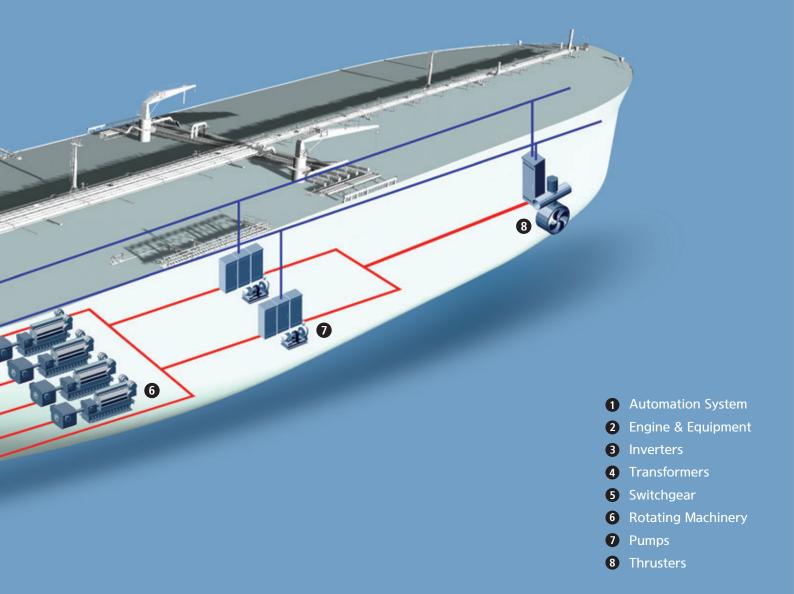
Insformer Gas Insulated Cast-Resin Gener

HiPDS Controller Smart S

INTE

Hyundai

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Solution



Transformers & Inverters



Transformers

- Dry Transformer
- Cast-Resin Transforme



Inverters

- 0.4 ~ 350kW for 200V, 400V
- 155 ~ 6,400kW for 3.3 ~ 6.6kV



Rotating Machinery



Alternators

- Manufacturing Scope: 100 ~ 50,000kVA
- Voltage: 220V ~ 14kV
 Poles: 4 ~ 14Po
- Protection Degree: IP23/IP5



Motors

- Manufacturing Scope: 0.4 ~ 6,000kW
- Voltage: 220 ~ 690V Poles: 2 ~ 10Pole
- Protection Degree: IP23/IP55

Global Network



Overseas Subsidiaries Overseas Branch Office R&D Center

HYUNDAI ULSAN FACTORY



Established Year: 1977 Product: TR, GIS

HYUNDAI TECHNOLOGIES CENTER HUNGARY LTD.



Established Year: 1998 Research Area: Rotating Machinery

hyundai Bulgaria



Established Year: 1997 Product: TR (Tap Changer)

HYUNDAI CHINA



Established Year: 2003 Product: Circuit Breaker and Switchgear

HYUNDAI POWER TRANSFORMERS USA



Established Year: 2010 Product: TR

HYUNDAI ELECTRIC

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