

EDUCATION
FACILITIES /
EQUIPMENTS

Education Facilities



• Lecture Hall



• Practice Center



• Safety Training Center

Equipments



• 6H32/40 HiMSEN



• 5H21/32 HiMSEN



• DF Engine Simulator



• ACONIS Simulator

Global
Network

Hyundai Global Service

Centum Science Park, 79, Centum Jungang-ro, Haeundae-gu, Busan, 48058, Korea
+82 52 204 7600 (Hotline. +82 70 8670 1122)
sales@hyundai-gs.com / service@hyundai-gs.com / powerplant@hyundai-gs.com
SHIPSERV ID 244253

Hyundai Global Service Academy

1000,Bangeojinsunhwan-doro, Dong-gu,Ulsan, 44032, Korea
+82 52 202 9970~9973

Hyundai Global Service Europe B.V.

Schorpioenstraat 69, 3067 GG, Rotterdam, The Netherlands / +31 10 212 1567 / spares.nl@hyundai-gs.com
SHIPSERV ID 240571

Hyundai Global Service Americas Co., Ltd.

7206 Harms Road Houston, TX 77041, United States / +1 832 850 7659 / sales.us@hyundai-gs.com
SHIPSERV ID 251590

Hyundai Global Service Singapore Pte. Ltd.

8 Temasek Boulevard, #38-02A Suntec Tower Three 038988, Singapore / +65 6932 6300 / sales.sg@hyundai-gs.com
SHIPSERV ID 252426

Branch Office

Hamburg (Germany)

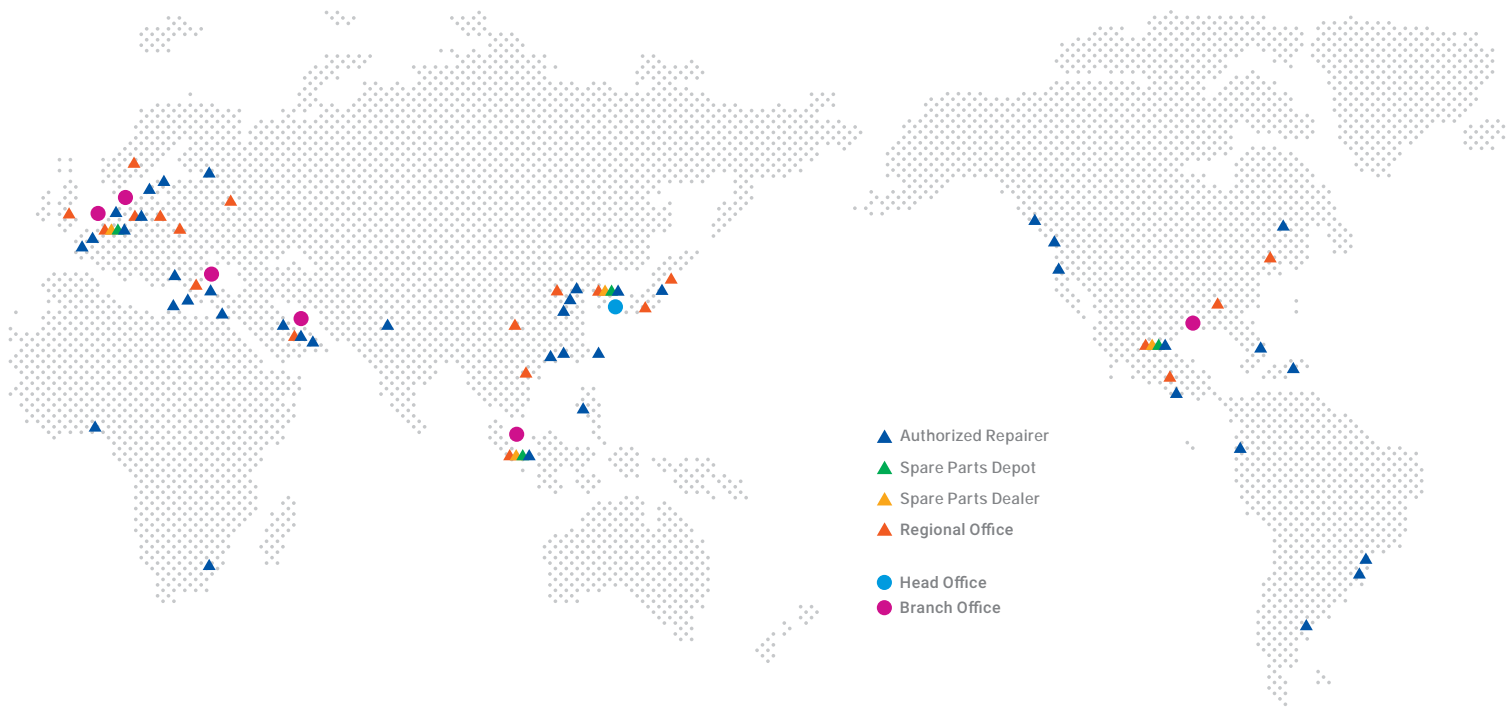
2nd Floor, Satellite Office Hamburg Gutruf-Haus, Neuer Wall 10 Jungfernstieg, 20354 Hamburg, Germany
+49 17 1568 6610 / hamburg.de@hyundai-gs.com

Athens (Greece)

73, Poseidonos Avenue, 175 62, Paleo Faliro, Athens, Greece / +30 210 428 2993 / athens.gr@hyundai-gs.com

Dubai (UAE)

Level 2, Unit 205, Emaar Square Blvd. 4, Sheikh Zayed Road, P.O. Box 252458, Dubai, U.A.E
+971 4 425 7995 (Fax. +971 4 425 7996) / dubai.ae@hyundai-gs.com



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We believe knowledge is power



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INTRUDUCTION

HGS Global Academy offers tailored programs that can deliver expertise to ship and power plant engineers. We provide training service on 4-stroke HiMSEN engine, 2-stroke engines, electrical facilities, and environmental products. Various manners such as theoretical lecture, simulators and hand-on practice are employed for effective training.

We promise that you will have learned key items about our products when you complete Global Academy programs.



GLOBAL ACADEMY CURRICULUM

Training Course	Training Method		
	Theory	Simulation	Hands-on Practice
HIMSEN Diesel Engine Course	<ul style="list-style-type: none">• General Introduction of HIMSEN engine• Operation & Performance• Major Components Maintenance Procedure• Trouble-shooting Case Study		<ul style="list-style-type: none">• Fuel System Practice• Air System Practice• Lube Oil System Practice• Cooling Water System Practice
HIMSEN Gas Engine Course	<ul style="list-style-type: none">• General Introduction of HIMSEN Gas Engine• LNG Combustion Fundamentals• Mechanical Instruction of HIMSEN Gas Engine• Electrical Instruction of HIMSEN Gas Engine• Trouble-shooting Case Study	<ul style="list-style-type: none">• Gas Engine Simulator Introduction• Gas Operation Simulation• Gas Alarm/Shutdown Case Study• ECS Parameters Optimization	<ul style="list-style-type: none">• Fuel System Practice• Air System Practice• Lube Oil System Practice• Cooling Water System Practice• Gas System Practice
HIMSEN Dual Fuel Engine Course	<ul style="list-style-type: none">• General Introduction of HIMSEN DF Engine• LNG Combustion Fundamentals• Mechanical Instruction of HIMSEN DF Engine• Electrical Instruction of HIMSEN DF Engine• Trouble-shooting Case Study	<ul style="list-style-type: none">• DF Engine Simulator Introduction• DF Engine Operation Simulation• DF Alarm/Shutdown Case Study• Fuel Change-over Simulation• ECS Parameters Optimization	<ul style="list-style-type: none">• Fuel System Practice• Air System Practice• Lube Oil System Practice• Cooling Water System Practice• Gas System Practice
Stationary Power Plant Major Auxiliary Facility Course	<ul style="list-style-type: none">• FO / LO Purifier System• Exhaust Gas Boiler• Cooling Water Radiator System• Lub Oil Management for Genset• Power Plant Genset Safety		<ul style="list-style-type: none">• Purifier Maintenance Practice• Pumps Maintenance Practice• Control Valves Maintenance Practice• Steam Traps Maintenance Practice
Turbocharger Course	<ul style="list-style-type: none">• General Principle of Turbocharger• Maintenance Procedure of Turbocharger• Turbocharger Matching Method with Engine• Trouble-shooting Case Study		<ul style="list-style-type: none">• Turbocharger Maintenance Practice
LNG Fuel Gas Supply System Course	<ul style="list-style-type: none">• Environmental Regulation & Technical Solutions• 2 & 4-Stroke Dual Fuel Technology• FGSS Major Components & Design• FGSS Start, Stop & Operation• FGSS Control & Automation	<ul style="list-style-type: none">• FGSS Simulator Introduction• FGSS Start, Stop & Operation Simulation• FGSS Control & Automation Mimic Simulation	<ul style="list-style-type: none">• FGSS Proof Facility Visit• Major Components Maker Visit
2-Stroke MDT ME-GI Course	<ul style="list-style-type: none">• General Introduction of ME-GI Engine• Major Components of ME-GI Engine• Gas & Diesel Operation of ME-GI Engine	<ul style="list-style-type: none">• ME-GI Simulator Introduction• ME-GI Start, Stop & Operation Simulation• ME-GI Control & Automation Mimic Simulation	
2-Stroke WinGD X-DF Course	<ul style="list-style-type: none">• General Introduction of X-DF Engine• Major Components of X-DF Engine• Gas & Diesel Operation of X-DF Engine	<ul style="list-style-type: none">• X-DF Simulator Introduction• X-DF Start, Stop & Operation Simulation• X-DF Control & Automation Mimic Simulation	

Training Course	Training Method		
	Theory	Simulation	Hands-on Practice
Alarm Monitoring System (ACONIS) Course	<ul style="list-style-type: none">• ACONS2000/DS Introduction• ACONS2000/DS S/W Composition• ACONS2000/DS H/W Composition• Trouble-shooting Case Study	<ul style="list-style-type: none">• ACONIS Alarm/Shutdown Case Study	<ul style="list-style-type: none">• H/W Component Maintenance
Synchronous Generator Course	<ul style="list-style-type: none">• General Principle of Generator• Major Components of Generator• Maintenance Procedure of Generator• Trouble-shooting Case Study		<ul style="list-style-type: none">• Generator Maintenance Practice
Circuit Breaker Course	<ul style="list-style-type: none">• General Principle of Circuit Breaker• Major Components of Circuit Breaker• Maintenance Procedure of Circuit Breaker• Trouble-shooting Case Study		<ul style="list-style-type: none">• ACB Maintenance Practice• VCB Maintenance Practice
Switch Board Course	<ul style="list-style-type: none">• General Principle of Switch Board• Major Components of Switch Board• Maintenance Procedure of Switch Board• Trouble-shooting Case Study		
Hi-VDR Course	<ul style="list-style-type: none">• General Principle of Hi-VDR• Major Components of Hi-VDR• Maintenance Procedure of Hi-VDR• Trouble-shooting Case Study		<ul style="list-style-type: none">• Hi-VDR Maintenance Practice
BWTS Course	<ul style="list-style-type: none">• IMO Regulation of Ballast Water Treatment• General Principle of BWTS• Major Components of BWTS• Maintenance Procedure of BWTS• Trouble-shooting Case Study		<ul style="list-style-type: none">• Eco-Ballast Maintenance Practice• Hi-Ballast Maintenance Practice
SOx scrubber Course	<ul style="list-style-type: none">• IMO Regulation of SOx Emission• General Principle of SOx Scrubber• Major Components of SOx Scrubber• Maintenance Procedure of SOx Scrubber• Trouble-shooting Case Study	<ul style="list-style-type: none">• SOx Scrubber Simulator Introduction• SOx Scrubber Start, Stop & Operation Simulation• SOx Scrubber Control & Automation Simulation	
NOx Reduction (SCR) Course	<ul style="list-style-type: none">• IMO Regulation of NOx Emission• General Principle of LP & HP SCR• Major Components of LP & HP SCR• Maintenance Procedure of LP & HP SCR• Trouble-shooting Case Study	<ul style="list-style-type: none">• SCR Simulator Introduction• SCR Start, Stop & Operation Simulation• SCR Control & Automation Simulation	