



The most experienced and trustworthy local leading company
GEOSEONG SHIPPING & ENGINEERING

Company Overview

Founded in 1975, **GSSE** has grown as **the best local company** in Geoje, Korea where the world best shipyard DSME and SHI are located. Having over **45 years experience** as a local leading company in oil and gas industry, GSSE performs the satisfactory services of Engineering & Construction, Logistics & Procurement and Shipping Agency.

Company	GEOSEONG SHIPPING & ENGINEERING CO., LTD.	CEO	Kyunghee Won
Foundation	12 th of March, 1975	Capital	USD 0.3M
Employee	300 persons	Business	Derrick Assembly, Engineering & Construction
Location	Geoje, Korea		Logistics & Procurement, Shipping Agency, Catering Service



Management Policy

Under the CEO's HSE and Quality policy, all GSSE employees are doing one's best constantly to meet client requirements, and this management policies are being realized by GSSE's QHSE management system. After getting DNV certificate in 2010, GSSE tries hard to achieve customer satisfaction through continual improvement activities.



Company History

2017~2019

- Air Cooled Heat Exchanger (ACHE) Assembly & Delivery (172 units / 13,940 tons for TCO-FGP)
 - Scope of Work : E&I Engineering, Structure, E&I, Paint, PFP, Delivery, Remain Work in DSME
 - 1.5million safety hours without Loss Time Incidents
 - Materials provided by GE, Siemens, FBM Hudson, Kelvion, Alfa Laval Olmi, Atlas Copco)
- Machinery installation for TCO-FGP in DSME Yard
- Punch killing, Flushing, Steam Turbine insulation, Welding and Preservation for GE TMS equipment

2015

2016

- The Company's 40th Anniversary, 2015
- Acquired 12 types of WPS certified by ABS
- Delivered total 88 Derricks for 10 years
- Input accumulated total 780,000MD for Derrick Assembly
- Registered as GE TMS Authorized Vendor
- Registered as Transocean, VEOLIA Authorized Vendor
- Awarded Faithful Taxpayer Prize by National Tax Service

2010~14

- Introduced Quality and HSE Management System certified by DNV
- Accomplished USD 80M Sales (2013) / CEO Mr. Won inaugurated as a chairman of GCCI (2012)
- Selected as Innovational Company (INNO-BIZ) by SBMA
- Registered as GE Oil & Gas, Maersk, Oceaneering, BP Authorized Vendor
- Supplied Full Package Catering Service (CLOV FPSO-Ayang 2, Jascon 28)
- Supplied IOOC FSU Operation Manpower
- Provided Shell, Odfjell with General Agent Service

Company History

2000~09

- Capital Increase to USD 0.3M (2001)
- Registered as Combined-Freight Forwarding Business (2002)
- Registered as DSME Subcontractor for installation and preservation (2002)
- Joined Commissioning of BP Thunder Horse & Atlantis (2003)
- Started Derrick assembly and Drilling equipment installation (2006)
- Registered as NOV, NOVK Authorized Vendor
- Built and started operating 3 ships of 4500 HP Tug Boat (2009)

1980~99

- Acquired license for International Shipping Agency
- Licensed for crude oil discharging service
- Acquired license for Underwater Construction
- Commenced maintenance service for oil storage cavern and buoy with KNOC

1975~79

- Registration of incorporation of GSSE (1975)
- Acquired license for Domestic Shipping Agency
- Acquired license for Harbor Service and Transportation
- Registered as DSME Subcontractor for steel painting

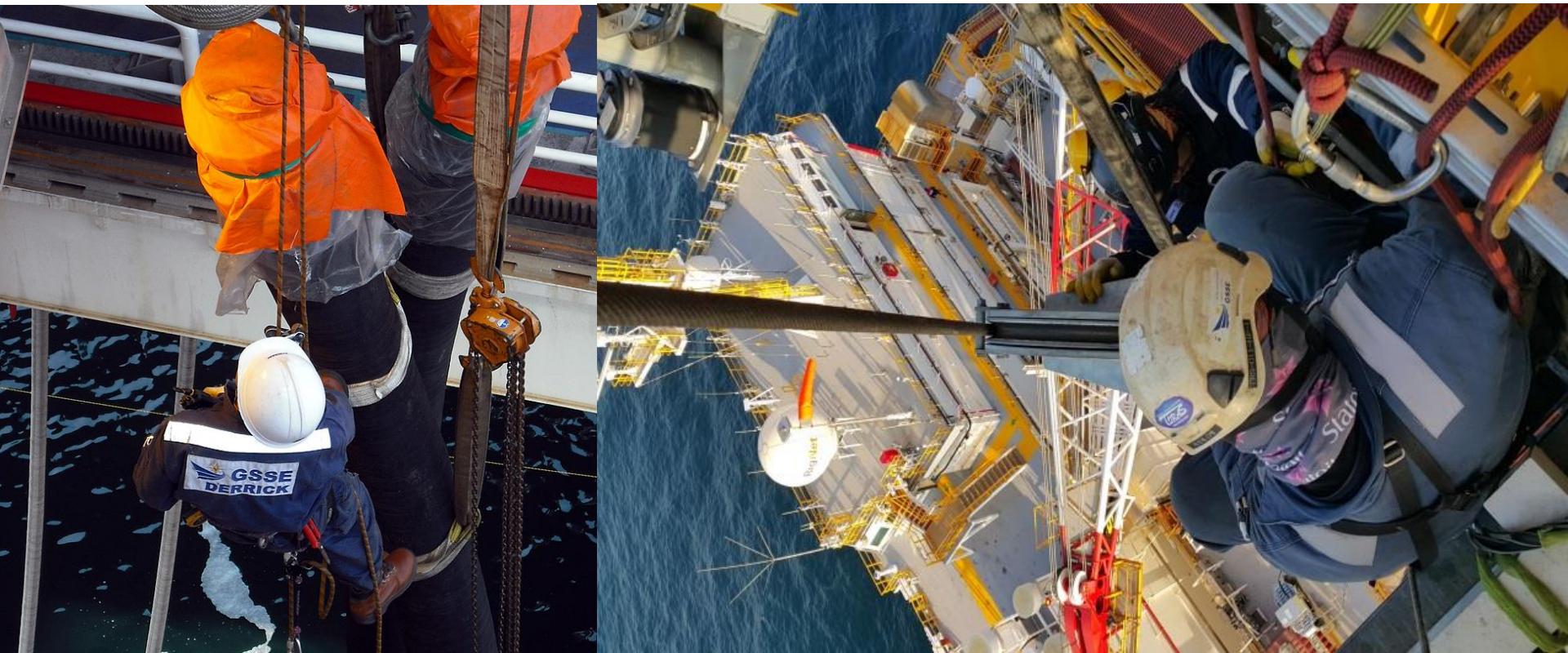
Organization

GSSE consists of **four main business lines**, and a professional director of the company operates his line independently under **responsibility management** system. This enables us to make a quick decision and provide **optimal solutions** to the problems.



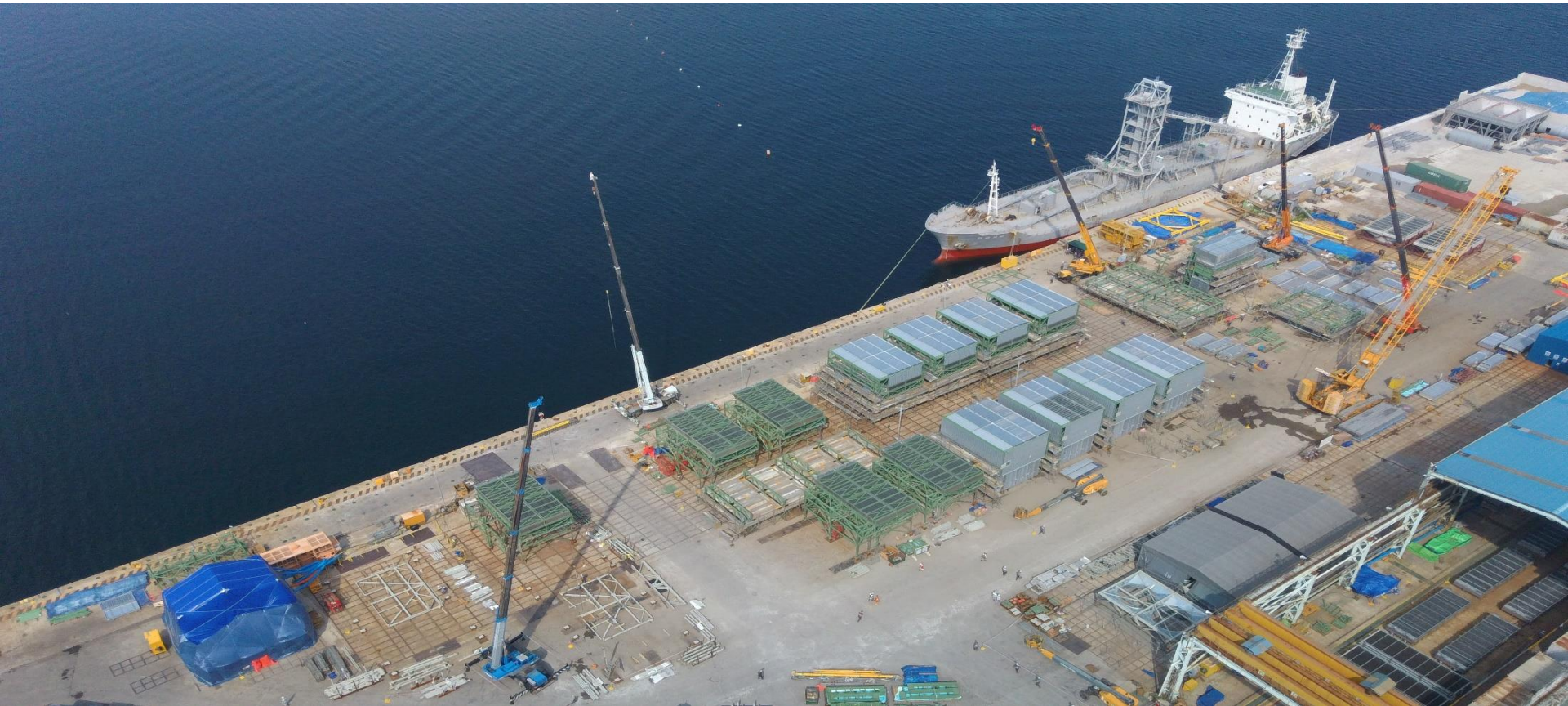
Business - Technical Service

Being registered as a subcontractor of DSME in 1983, GSSE is now operating **mechanical installation and preservation team** in DSME shipyard. And as a sole vendor of NOV in Korea, a global drilling package provider, **GSSE delivered 88 derricks** since 2006. For this reason, GSSE owns rich and **wide-range technical manpower resources** including IRATA certified Ropeman, Mechanic, E&I, Piping and Welder as well as tools and equipment.



Business - Technical Service

GSSE had done a project successfully Air Cooled Heat Exchanger(ACHE) 172 units assembly and delivery to TCO-FGP. Since the Kick-Off on May 2017, GSSE did our best to keep the delivery date and all of the assembly work was proceeded with safety thought and mind. As a result, GSSE accomplished 1.5million safety hours without Loss Time Incidents. GSSE has recognized "Safety First" whenever we do anything.



- Air Cooled Heat Exchanger(ACHE) Assembly for TCO-FGP (2017 ~ 2019)

Business - Technical Service

GSSE has skilled technical human resources for Oil and Gas Industry & Project. GSSE has shown all our abilities such as **Engineering, Procurement, Construction and Logistics** during ACHE assembly work. All groups & teams are closely cooperating each other and reach forward to the best result.



- Air Cooled Heat Exchanger(ACHE) loading onto a barge

Business - Technical Service

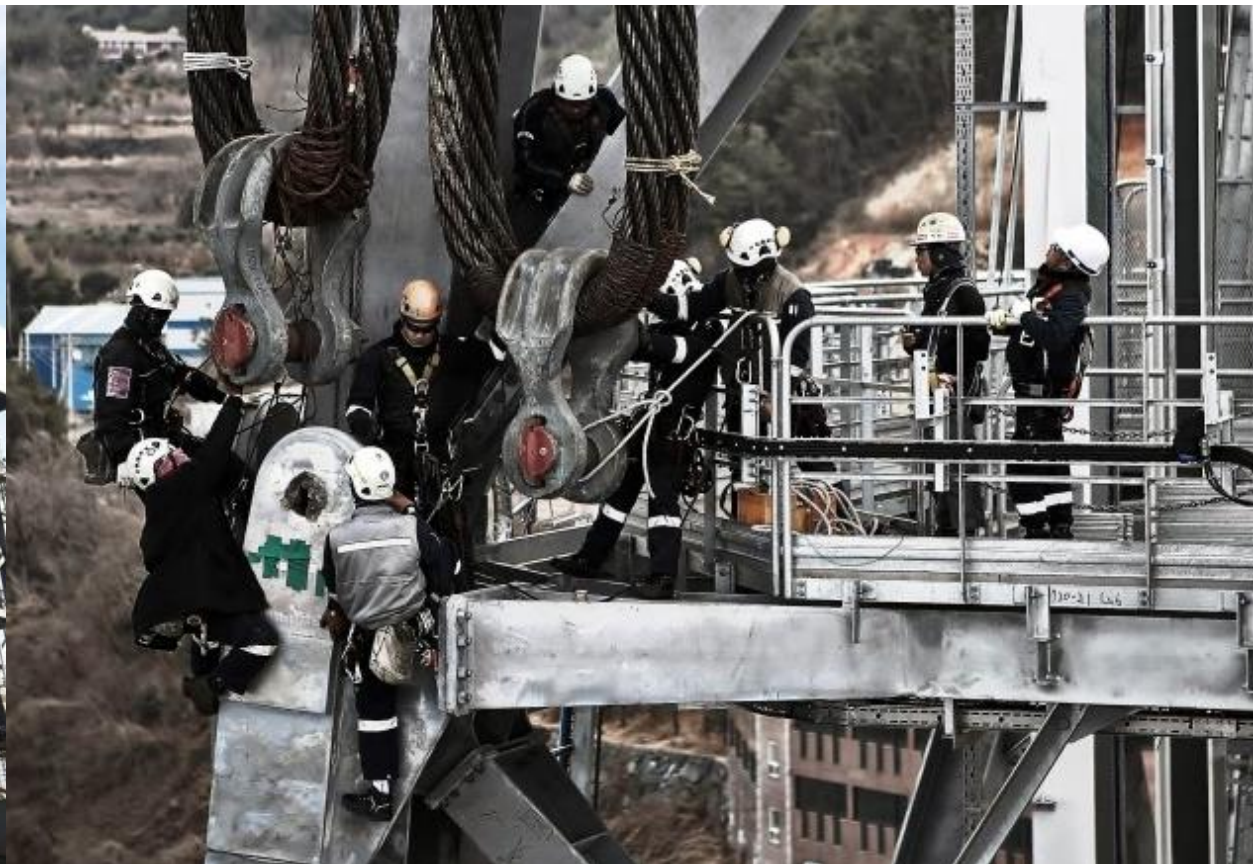
On the basis of over ten years experience on marine equipment installations and derrick assembly, GSSE's wide-range technical manpower has capability to perform Hydroflushing, Preservation, Punch killing and COW as well as mechanical installation and E&I work. And GSSE's WPS certified by ABS enable us to perform professional welding work.



- Conduit flex loop welding on LMRP by GSSE

Business - Technical Service

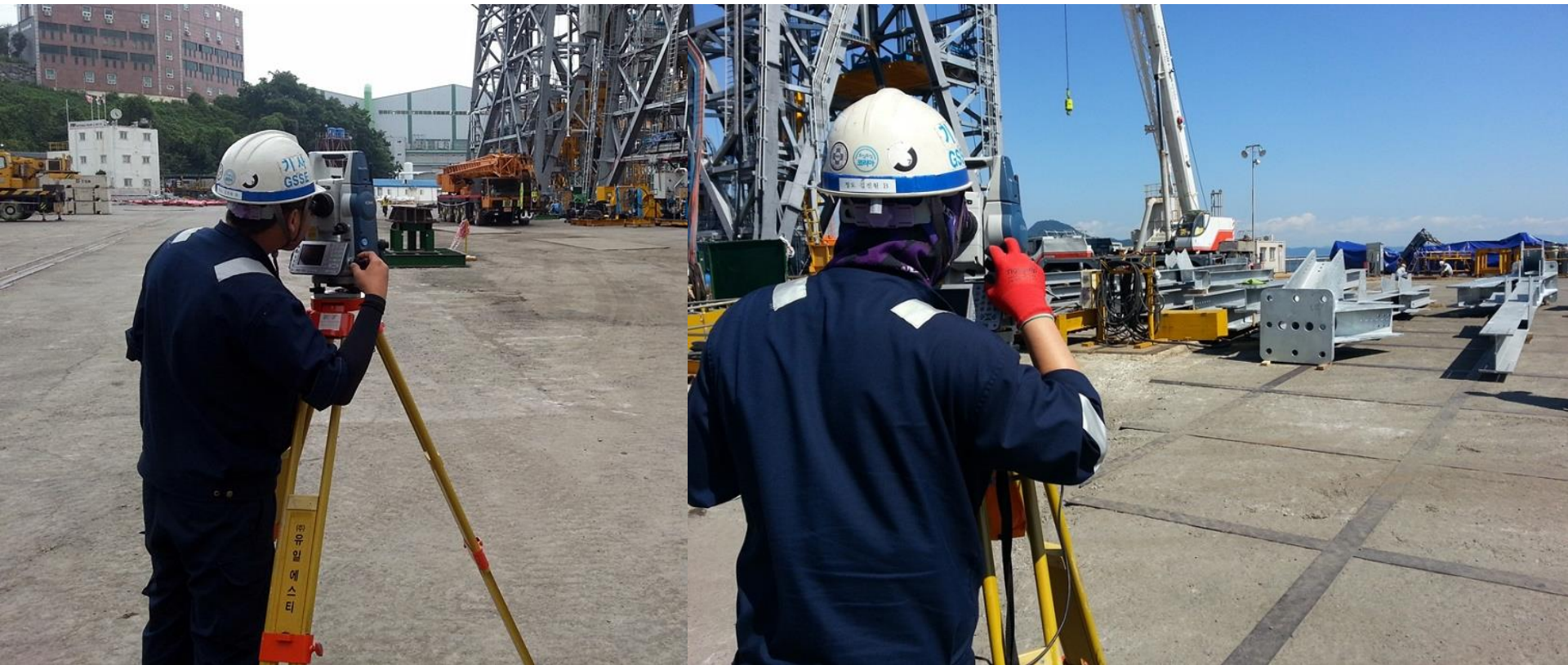
In case that long-term storage is required due to delayed supply of material or discontinuity of construction caused by contract changes or early warehousing of cargo, the equipment need **Preservation and Maintenance** in accordance with the procedure depending on types of equipment. GSSE offers the best solution to preservation on the basis of 45 project performances of preservation for the past 10 years.



• Derrick Assembly (3,000 ton per 1unit)

Business - Technical Service

As mega-modular construction method being introduced in shipbuilding and offshore plant, the **importance of accuracy control** in project management is growing bigger and bigger. Since GSSE started derrick assembly in 2006, we have operated **Dimensional Accuracy Control Team**. On the basis of 10 years experience, DACT can provide **the best accuracy control service** for heavy structures.



• GSSE Dimensional accuracy control team

Business - Logistics & Procurement

Supplying materials in time is very important key to the success of the project. A certified **Bonded Goods Caretaker** of GSSE provides **Brokerage and Consultant Service** for import and export of the project material and equipment. Since 2009, GSSE has handled 15,600 shipments and total 95,800 tons of cargoes. Especially, we have many experiences of **handling heavy cargoes** through the transportation of derricks we delivered.



Business - Logistics & Procurement

GSSE provides the **best procurement service** through many experiences of working with global equipment makers and oil major companies. The ship spare parts, stores, tools, provision, materials and equipment sourced and purchased by GSSE procurement team can be **delivered to anywhere in the world** by the fastest route through **the synergy effect** with our logistics team.

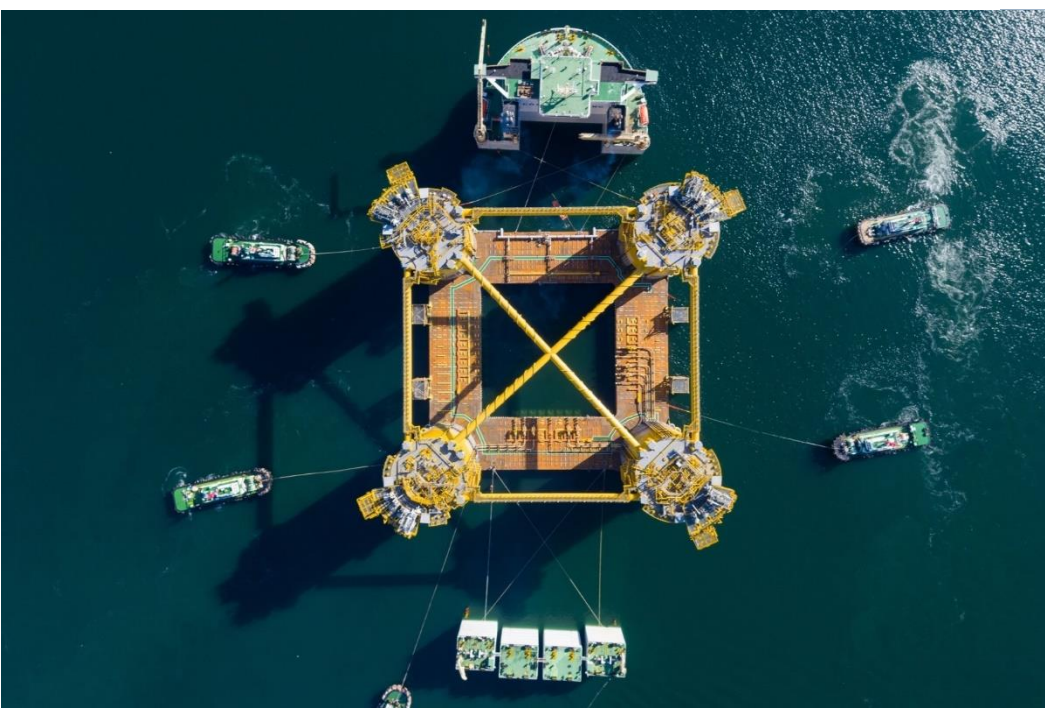


- Barge transportation of knuckle boom crane

- Tensioner horse export by air charterer

Business - Shipping Agency

GSSE has operated a business line of **shipping agency** since the company acquired a license for domestic shipping agency as the company was founded in 1975. With **over 40 years experience**, a professional team takes every single step of port entry and departure formalities including CIQ and provide the best service of crew handling, fueling, supplying provision and ship spare parts. And GSSE technical manpower can provide services of **ship repair and maintenance**. And since 2009, GSSE has built, owned and operated **3 ships of 4500hp Tug Boat**.



• Float-on operation by GSSE

• GSSE tug boat 'Big Star Marine No.1'

Business - Oilfield Catering Service

Through a **catering partnership** with a 20-year professional catering company in Vietnam, GSSE offers a **high-quality service with the best price**. By sending a professional catering team, GSSE can provide a **full package catering service** from anywhere in the world.



Project	Client	Location	POB	Service Scope	Year
IOOC FSU	OCEANUS	Persian Gulf	40~50	Full Package Catering Service	2012 ~ 13
AYANG 2 Barge	DSME	Offshore Angola	80~100	Full Package Catering Service	2013 ~ 14
JASCON 28 Barge	DSME	Offshore Angola	250~350	Full Package Catering Service	2013 ~ 14
GAZA FSO	STX	Offshore Libyan	40~60	Full Package Catering Service	2016

Performance

GSSE has accumulated various achievements on many projects in shipbuilding and marine industry as the local leading company.

2017~ 2019

- Air Cooled Heat Exchanger (ACHE) Assembly (172 units / 13,940 ton, TCO-FGP)
- Purchase of OFE and ship spare parts, Provide site support service : TCO
- Punch killing, Flushing, Steam Turbine insulation, Welding and Preservation for GE TMS equipment

2015
~ 16

- Assemble and Deliver 17 Derricks (5 single and 12 dual / 595,00ton) to NOVK
- GRE pipe installation for UF and CFU skid : Veolia water system
- Purchase of OFE and ship spare parts, Provide site support service : Shell Appomattox
- Purchase of ship spare parts : NOV-BLM, NOV I&C, GE Oil & Gas, Transocean, Cameron
- Ropeman supply for punch killing, wire reeving and windwall cladding installation
- Project supervision and welding NDE, Supply of Dimensional Team : CJ 70 Maersk Drilling
- Punch killing, Flushing, Steam Turbine insulation, Welding and Preservation for GE TMS equipment

2010
~ 14

- Assemble and Deliver 65 Derricks (13 single and 52 dual 227,500ton) to NOVK
- Supply manpower for Preservation : TMT, Odebrecht, Total E&P, Sakhalin Arkun-Dagi, Heerema, Petroserv
- Handling whole project OFE : ODFJELL Deepsea Aberdeen
- Handling total 86000 tons of import cargo since 2009
- • Punch killing for BOP, LMRP, Diverter, Riser Pipe : GE Oil & Gas
- OTCC hammermill cutting system integration for 8 module : MI-Swaco
- Project supervision of piping, mechanic, E&I : Veolia water system
- Inspection of total 136 riser pipes for buoyancy paint and repair job : GE Oil & Gas

Performance

GSSE has accumulated various achievements on many projects in shipbuilding and marine industry as the local leading company.

2000

~ 10

- Supply manpower for Preservation : Chevron Agbami, Seadrill West series, Odfjell Deepsea series
- Supply manpower for Preservation : Grupo-R semi rig series, Transocean Drillship series
- Moving riser cart modification and riser cylinder job : NOV I&C for Transocean
- Installation and removing the correct drill line in AUX, HP mud pump flange re-welding : NOV I&C for Odfjell
- Derrick modification of CMC cylinder, DDM guide rail alignment : Aker Solution
- Punch killing for tubing line : Veolia water system for Pazflor
- Punch killing for HV, LV thruster : ABB for various project
- Roof fabrication and outfitting crane operation and commissioning : BP Thunderhorse
- Riser pipe and FRP pipe installation, Hydrotest : BP Atlantis
- FRP pipe installation, Dry bulk system commissioning : ExxonMobil Kizomba-B


1990

~ 2000

- Drilling equipment installation and Dry bulk system commissioning : Petrodrill Amethyst
- General service provider for Shell Brutus TLP and Nakika FPU
- Maintenance service for oil storage cavern of KNOC (Korea National Oil Company)
- General service provider for Shell Lun-A & PA-B
- Provide crude oil discharging service

Certification

12 Types of WPS certified by ABS

 **ABS**
FOUNDED 1892

GEO SEONG SHIPPING & ENGINEERING CO., LTD.
#689, Jangseungpo-Dong, Geoje-Si, Gyeongsangnam-Do,
Korea

Attn: Mr. M.H. Jung, Manager

28 July 2015
Refer to: HRJ/YYP/jsp
File Ref.: O2E/ML-4-7
Task No.: T1396584
CID: 447061

WPS/Welding Procedure Qualification Test Record

Gentlemen:

We have your letter of 29 June 2015 submitting one (1) print each of the following drawings:

- WPS No.: GS-GT-01, Rev. 0 "GTAW – Groove Joint Welding"
PQR Nos.: GS-GT-PQ-01, GS-GT-PQ-02
- WPS No.: GS-GT-02, Rev. 0 "GTAW – Groove Joint Welding"
PQR Nos.: GS-GT-PQ-03, GS-GT-PQ-04
- WPS No.: GS-GT-03, Rev. 0 "GTAW – Groove Joint Welding"
PQR Nos.: GS-GT-PQ-05, GS-GT-PQ-06
- WPS No.: GS-FC-01, Rev. 0 "FCAW – Groove Joint Welding"
PQR Nos.: GS-FC-PQ-01, GS-FC-PQ-02, GS-FC-PQ-03
- WPS No.: GS-FC-02, Rev. 0 "FCAW – Groove Joint Welding"
PQR Nos.: GS-FC-PQ-04, GS-FC-PQ-05, GS-FC-PQ-06

We have reviewed the results and we are pleased to advise that the procedures as indicated and amended and summarized below are acceptable provided the production weld is to the satisfaction of the attending Surveyor.


- Max. thickness per pass should be noted.
- Welding progression is to be noted. (i.e up or down). (TYP.)
- For item 1 above, Maximum inter-pass temperature is not to be higher than 183 °C.

One (1) print each of the above drawings stamped to indicate our review is being returned herewith.

An invoice to cover our fee for this technical service will be sent to you separately.

Should you need any clarification, please do not hesitate to contact Hae-Ryong Ju at 051-460-4123 or the undersigned at 051-460-4126. In case of inquiry by phone or reply in document, please indicate our Task No. and the date of this letter.

Very truly yours,
K. M. Wong
Senior Vice President of Engineering
ABS Pacific Division

By: 
Jae-Sung Park,
Senior Engineering Specialist
Ship Structure and Statutes

cc: ABS Geoje-DSME (O2E)
PACIFIC DIVISION
8th Floor, Kyobo Life Insurance Bldg., 7, Chungjang-Daero, Jung-Gu, Busan, 600-737, KOREA
TEL. 82-51-469-8371, FAX: 82-51-462-4830, Website: www.eagle.org

Grade	WPS NO.	Process	Filler Metal	Size	Position
A106-B	GS-GT-01	GTAW	TGC-50 (Chosun) Ø2.4	½"Sch80 (21.7mm*3.7T)	6G
				2"Sch160 (60.5mm*8.74T)	6G
A312-316L	GS-GT-02	GTAW	T-316L (Kiswel) Ø2.4	½"Sch80 (21.7mm*3.7T)	6G
				2"Sch160 (60.5mm*8.74T)	6G
A790-S31803	GS-GT-03	GTAW	SMT-2594 (Hyundai) Ø2.4	½"Sch80 (21.7mm*3.7T)	6G
				2"Sch160 (60.5mm*11.07T)	6G
DH36	GS-FC-01	FCAW	DSII81-K2 (ESAB) Ø1.8	30T	2G
					3G
					4G
EH36	GS-FC-02	FCAW	DSII81-K2 (ESAB) Ø1.8	30T	2G
					3G
					4G

Certification

Quality and HSE Management System certified by DNV-GL
(ISO9001:2009, ISO14001:2009, OHSAS18001:2007)

- Assembly, Repair & Modification of Marine Equipment
- Provision of Logistics and Procurement Service



DNV-GL

MANAGEMENT SYSTEM CERTIFICATE

Certificate No.: 83379-2012-0000 HGR-KAB Initial certification date: 05 October, 2012 Valid: 14 September, 2018 - 05 October, 2019

This is to certify that the management system of

GEOSEONG SHIPPING & ENGINEERING CO., LTD.
6, Majeon 9-gil, Geogje-si, Gyeongsangnam-do, Korea
and the sites as mentioned in the appendix accompanying this certificate

has been found to conform to the Quality Management System standard:
ISO 9001:2015, KS Q ISO 9001:2015

This certificate is valid for the following scope:
**Assembly, Repair & Modification of Marine Equipment.
Provision of Logistics Service and Procurement Service.**

Place and date:
Seoul 14 September, 2018

For the issuing office:
DNV GL - Business Assurance
SAP, Kyonggi Bldg., 1, Jongno, Jongno-gu,
Seoul, Korea

Jang-Sup Lee
Acting on behalf of the Management
Representative

The Risk is a signature to the IAF MLA

lack of sufficient conditions do not set out in the Certificate Agreement may render this Certificate invalid.
DNV GL Business Assurance is not an insurer and does not provide insurance. Some DNV GL services are provided under separate management system
certification body (accreditation) to the ISO 9001:2015.
For more information, visit: www.dnvgl.com, www.dnvgl.com, www.dnvgl.com, www.dnvgl.com, www.dnvgl.com, www.dnvgl.com, www.dnvgl.com, www.dnvgl.com, www.dnvgl.com, www.dnvgl.com

DNV-GL

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6, Majeon 9-gil, Geogje-si, Gyeongsangnam-do, Korea
and the sites as mentioned in the appendix accompanying this certificate

has been found to conform to the Occupational Health and Safety Management System
standard:
OHSAS 18001:2007, K-OHSMS 18001:2007

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**Assembly, Repair & Modification of Marine Equipment.
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has been found to conform to the Environmental Management System standard:
ISO 14001:2015, KS I ISO 14001:2015

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Valued Customers

On the basis of abilities and faith over 45 years, GSSE has established a good relationship with major shipyards of Korea and global leading suppliers and oil companies. GSSE always thinks customer satisfaction as the highest value.



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