GSP Holding

Company Presentation

www.gspholding.com

Contents

Wherever Your Projects May Take You, We Will Be There For You

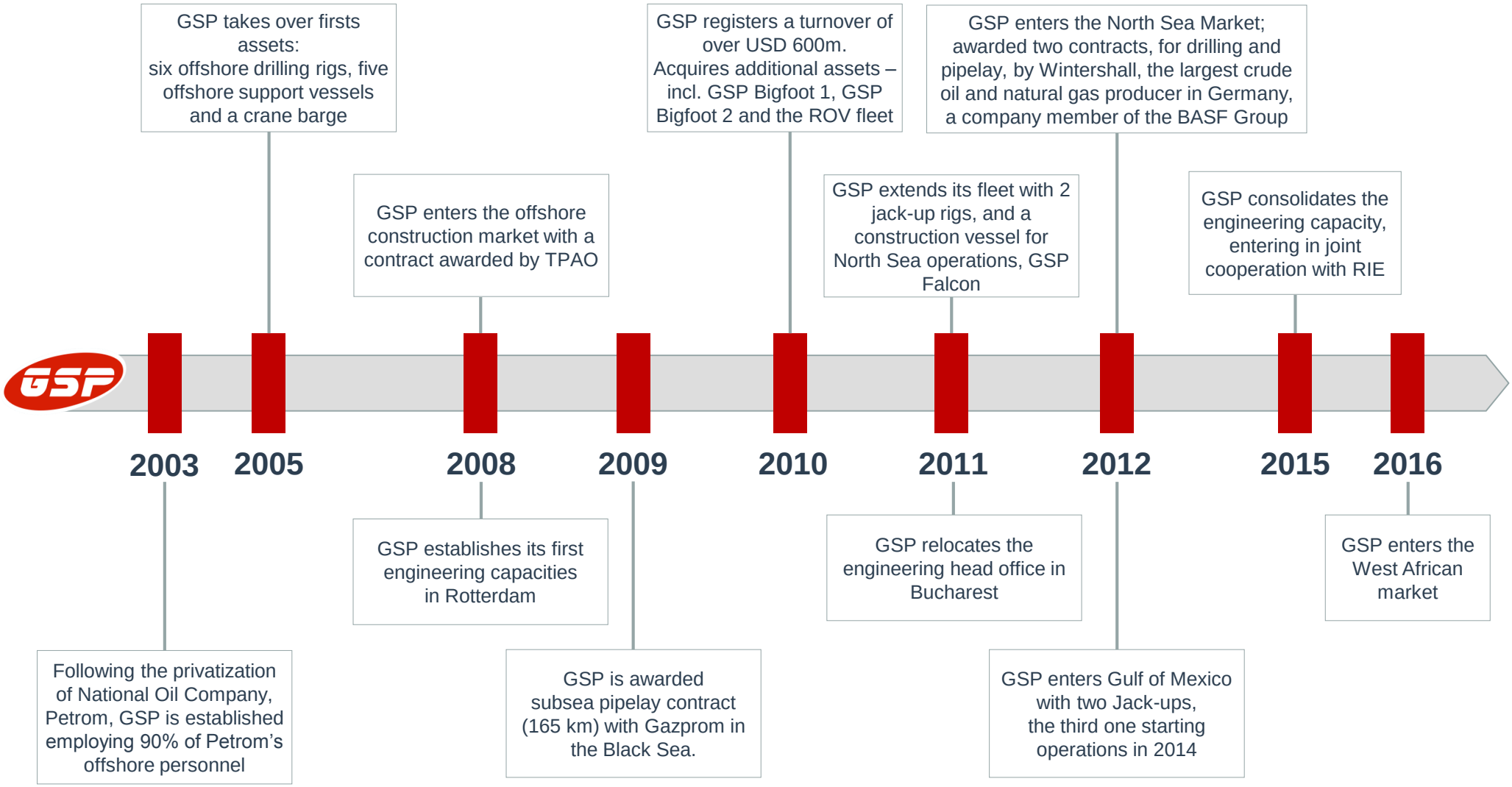
- We are an **international company** with **headquarters in Constanta, Romania** and subsidiary offices in Moscow, Rotterdam, Dubai, Campeche (Gulf of Mexico), Tunis, Valetta, Limassol, Lagos, Singapore, Istanbul, employing over 2,500 personnel

- We are a **full-service oil and gas service provider** that works with the largest organizations in the world and that has a long **history and track record in a variety of segments of the oil & gas industry**

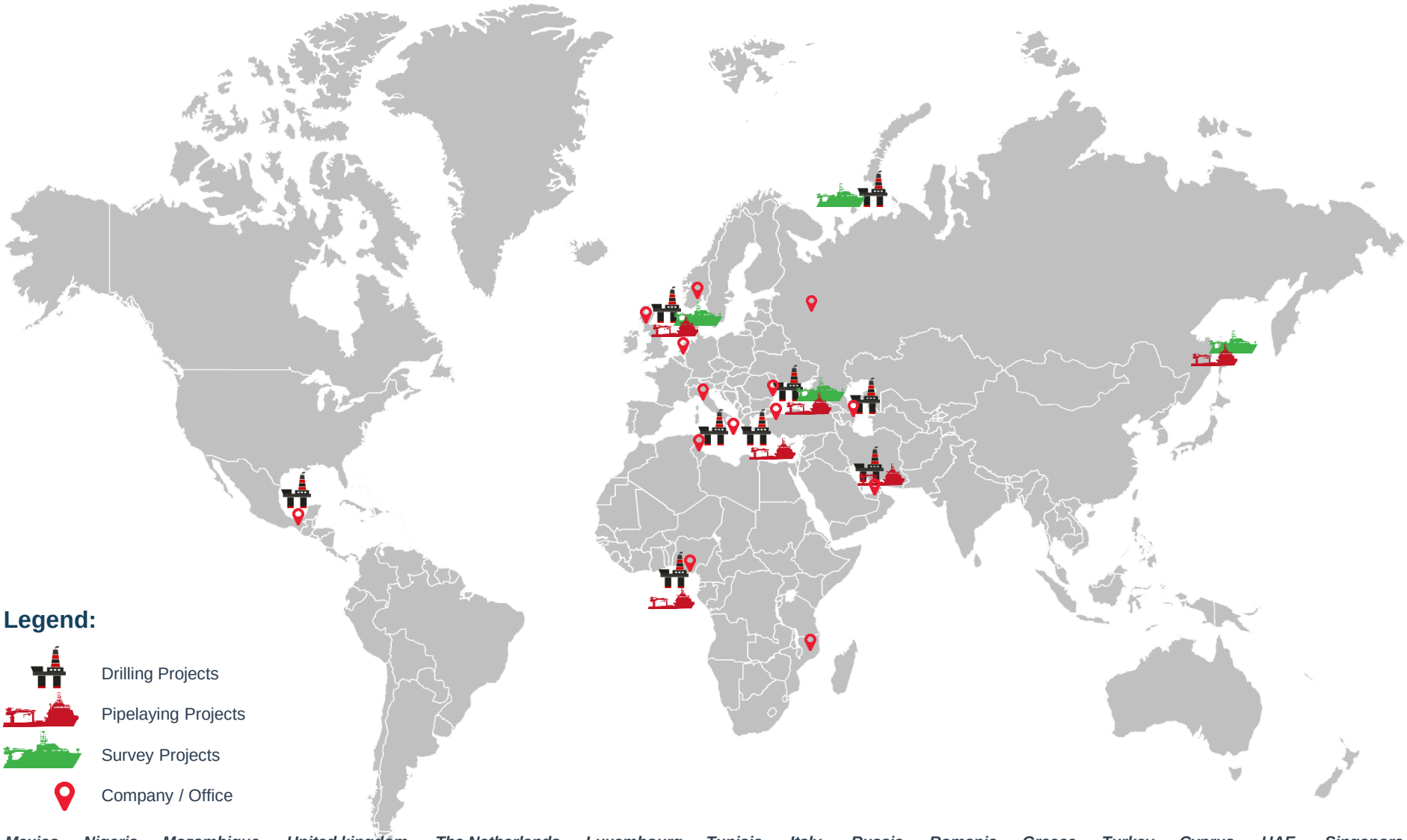
- We **offer global coverage,** to serve our clients' international needs

- We are **members of the International Association of Drilling Contractors** (IADC), **International Maritime Contractors Association** (IMCA), **International Pipe Line and Offshore Contractors Association** (IPLOCA), **International Well Control Forum** (IWCF);

Founded in 2003, GSP quickly became a reliable partner for top international oil and gas groups



Geographical Footprint



Legend:

- Drilling Projects
- Pipelaying Projects
- Survey Projects
- Company / Office

Mexico Nigeria Mozambique United kingdom The Netherlands Luxembourg Tunisia Italy Russia Romania Greece Turkey Cyprus UAE Singapore

Top Rated: GSP has a strong customer base with a dominant market position in the Black Sea

… and continues growing in the North Sea, Azov Sea, Marmara Sea and South East Mediterranean markets

Azov Sea	Mediterranean & Marmara Sea	North Sea	Barents, Pechora & Kara Sea
Projects: • Drilling • Pipelay work • Subsea works incl. Hyperbaric subsea welding • Survey • Supply vessel/ Anchor Handling • Saturation Diving/ ROV operations	**Projects:** • Drilling • Pipe lay/ umbilical • Pipe lay job • Survey/ Diving • Supply vessel/ Anchor handling	**Projects:** • Drilling with jack up rig • Pipe lay, umbilical, trenching, survey, ROV, Diving • Supply vessel • Heavy lift transport	**Projects:** • Drilling with Jack-up in Russia • Supply vessel, Anchor Handling
• **Clients**: GAZPROM, LUKOIL, Rosneft, Cernomorneftegas, Socar	• **Clients**: TPAO, Energean, Total, Cooper Energy, ETAP Sonatrach, Albpetrol, Japan Oil	• **Clients**: Wintershall Nordzee, Perenco, EON, Technip	• **Clients**: Gazpromneft Sakhalin, Rosneft Artic Shelf, Novatek

Caspian Sea	Sakhalin/ Russian Far East	Middle East	Gulf of Mexico
Projects: • Logistic offshore support services – Baku Azerbaijan / Aktau - Kazakhstan • Platform Drilling – Azerbaijan / Baku	**Projects:** • Subsea/ Diving • Pipe lay barge management, Welding, NDT, FJC and pipe launching	**Projects:** • Drilling with Jack up • Joint Venture : MEAOS – Middle East and Africa Offshore Service LLC – Abu Dhabi – partner Abu Dhabi Mar – Fabrication Facility • Pipe lay job	**Projects:** • Drilling with jack up
• **Clients**: Bahar Energy, Socar	• **Clients**: Gazprom, MRTS	• **Clients**: NIOC Iran, Repsol	• **Clients**: PEMEX

GSP HSEQ Management System

Introduction to GSP HSEQ Management System

● *ISO 9001:2008* ● *ISO 14001:2004* ● *OHSAS 18001:2007* ● *ISO 30000:2009* ● *ISO TS 29001:2010* ● *ISPS Code* ● *ISM Code*

GSP has a **fully Integrated HSEQ Management System** that incorporates international regulatory requirements, recognized oil and gas standards and industry best practices.

In our **search for excellence in Health, Safety, Environment and Quality**, GSP established relationship with Det Norske Veritas and Bureau Veritas. Since than our Integrated HSEQ Management System has been certified in the **following ISO Standards**:

- ISO 9001 – Quality Management;
- ISO 14001 – Environmental Management;
- BS OHSAS 18001 – Occupational Health and Safety;
- ISO/TS 29001 – Quality Management for Oil and Gas.

GSP vessels and assets comply with all the applicable international regulatory conventions and classification requirements which have also been incorporated into our HSEQ Management System.

Safety Culture

GSP's personnel is facing often work in very demanding roles and extreme conditions. Continuous different hazards may arise and have to be managed, whether in offshore locations, fabrication areas, or the transport of people, equipment and products. Through our procedures we ensure that whatever our personnel is doing, they always pay attention on possible risks and on the safety of operations before they start work and during their work.

Our management team assures that everyone who works for GSP, or with GSP, take personal responsibility in the following areas:

- comply with the safety rules and regulations relevant to their work;
- intervene to prevent unsafe conditions; and
- respect fellow workers and the communities in which we work.

GSP employees – make the work place safer:

- Stop Work Authority (SWA)
- Permit to Work System (PTW)
- Task Risk Assessment (TRA)
- Safety Observation System

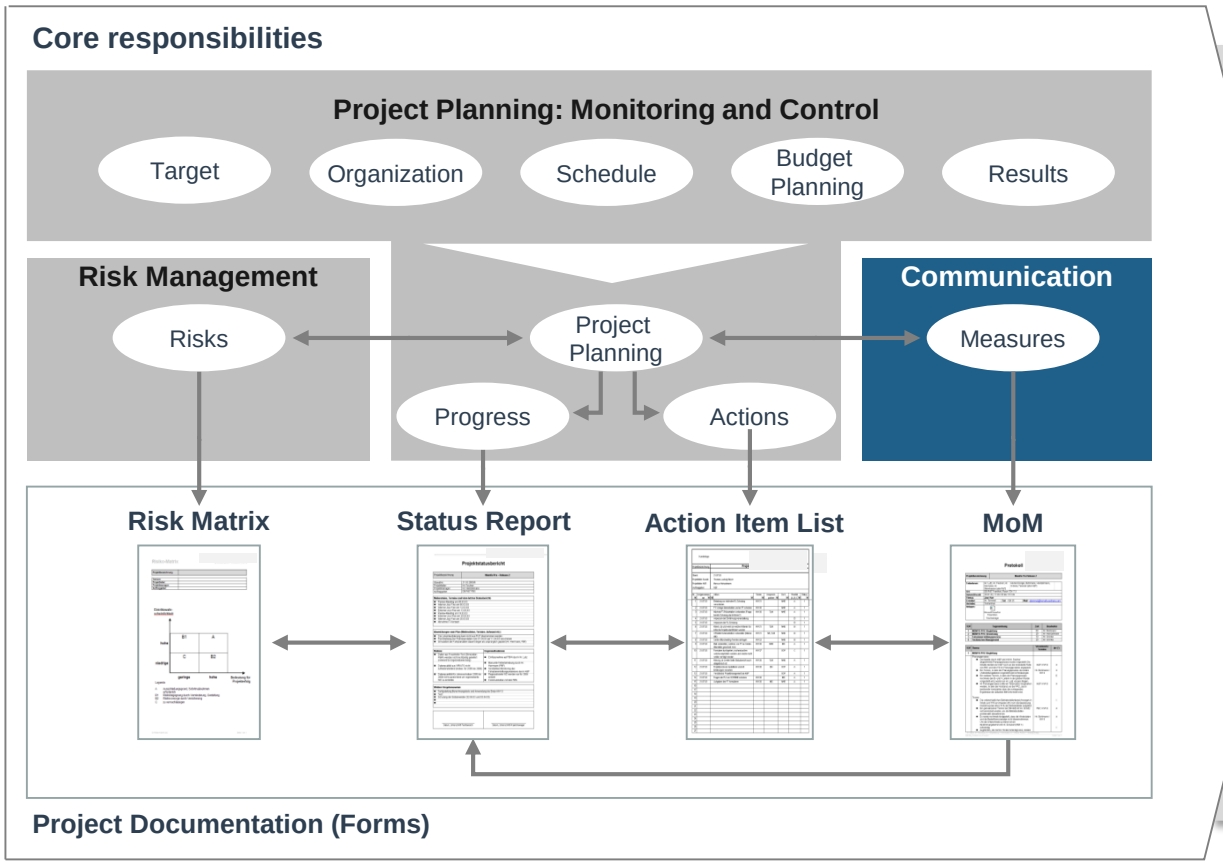
Managers and Supervisors – promote safety culture:

- Communicate High Safety Standards.
- Lower Tolerance for Risk – ALARP.
- Promote and Participate – Safety Observations.
- HSE Performance – KPI Establish & Monitor.
- Promote High Safety Standards - HSE coaching.

Monitoring HSE: Fact & Figures

KEY PERFORMANCE INDICATORS	2013	2014	2015	2016
Fatality (FTL)	0	0	0	0
Lost Time Injuries (LTI)	3	2	1	0
Work Restricted Case (WRC)	2	2	0	0
Medical Treatment Case (MTC)	5	7	5	2
First Aid Case (FAC)	8	10	9	3
Total Man Hours	**4,800,839**	**4,378,438**	**3,193,316**	**1,469,936**
Lost Time Injury Frequency Rate (LTIFR)	0.62	0.46	0.31	0
Total Recordable Frequency Rate (TRFR)	2.08	2.51	1.88	1.36

Project Communication as a Key Success Factor



Results & Benefits

- By various **Project Documentation (Forms)**, targeted information can be controlled and risks can be reduced and communicated in time
- Our **company policy** foresees:
  - Steering Committees
  - Monthly Jour Fixes
  - Weekly Update Meetings
  - Daily Meetings (for safety, project status etc.)

Project Audit Approach

Benefits for our costumers

- The project audit approach of GSP considers the key dimensions of project management (time, cost, quality) from the perspective of 6 thematic fields
- Our Project Audit approach provides to our costumers the following **benefits**:
  - Cost transparency
  - Planning security
  - Audit compliance
  - Recommendations
  - Overall project implementation

Business & Clients

Our Business (1/3)

Offshore Drilling Rigs (MODU) Operations

- Self-elevating drilling unit
- Semi-submersible drilling unit
- Platform modular Rigs
- Maintenance and Operations management of 3rd party Rigs

Integrated Drilling Services Management

- Well design
- Directional Drilling
- Cementing engineering and services
- Fishing tools and services
- Drilling Fluids engineering and services
- Solid control and disposal, mud logging
- Conductor Hammering and pipe handling
- Wells Production Testing
- Formation logging service
- Completion
- Logistics and transportation
- Emergency response

Offshore Construction

- EPCI (Engineering, Procurement, Construction and Installation)
- Onshore Fabrication and Assembly Yards (Berth 34 Constanta, Midia North Constanta, Agigea South Constanta)
- Midia Pipeyard and Machine Shop
- Large Capacity Heavy Lift Equipment
- Subsea Installation
- Saturation diving ROV operation/Trenching
- Commissioning and Operation
- Manpower

Vessel Services

- AHTS
- PSV
- MPSV
- IRM
- Stand by vessels
- Construction Vessels:
  - DP2 Flex-Lay / J-Lay Pipelay
  - Ocean transport Submersible Barge
  - DP2 Derrick Pipe Lay Barge
  - Barge Shearleg Crane 1800 t
- Large Capacity Heavy Lift Equipment
- Subsea Installation
- Saturation diving ROV operation/Trenching
- Commissioning and Operation
- Manpower

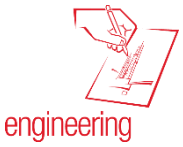
Our Business (2/3)

GSP South Production Facility & Shipyard, Agigea

- fabrication and installation off subsea well head, Christmas three, flow line and pipe equipment
- storage and assembly of PLETs(pipeline and termination), manifolds, umbilical's and risers and anchor piles.
- fabrication of topside, buoys, FPSO modules, buoyancy tanks, jackets and platforms.
- building, repair, conversion, maintenance of Jack up and deep water drilling rigs, construction vessels and supply vessels

GSP North Production Facility & Pipeyard, Midia

- Integrated warehousing, open and bulk storage, handling, heavy lifting and heavy transportation
- Contract logistics (tubular material and other oilfield equipment pick & pack, cross docking)
- Project/contract based global forwarding
- Freight management
- End to end solutions for the offshore oil and gas industry
- Project cargo, general cargo & steel cargo, assembly of industrial cargoes, offshore vessels and rigs port assistance and services
- Import export services
- Pipe yard/tubular and oilfield equipment workshop
- 3rd party services on permanent basis (customs clearance, according with the European Union regulations, dangerous goods transportation measures, procurement services and support.)



GSP Engineering

Multidisciplinary engineering services for:

- Oil & Gas drilling/production offshore and onshore plants;
- Hydrocarbons and chemicals processing plants;
- Power generation plants.
- Structural engineering. (FEM/FEA, scantling calc, class dwgs, workshop design)
- Outfitting engineering (pipe sys, mechanical, HVAC, electric sys)
- Naval architecture (hydrostatic, hydrodynamic)
- Conceptual design
- Tender process support
- Basis of design
- Concept, analysis and calculations
- Class drawings
- Workshop drawings and prod info
- Purchasing support

Our Business (3/3)

Vega Offshore Aviation

- Helicopter Crew Transportation
- ERCC Capabilities: Medical Evacuation (MEDEVAC); Search And Rescue (SAR) / Helicopter Incident, Flight Following
- Experienced personnel as requested by Oil & Gas industry
- Audited and certified by Italian and Romanian Civil Aviation Authorities
- 3 x AW139 helicopters (2 with Full Ice Protection System); configurations: 12 seat offshore passenger, MedEvac, SAR
- Fixed Wing - Air Ambulance Evacuation Charters
- Mihail Kogalniceanu Airport – operational base
- Midia – maintenance base

GSP Training

- Drilling Courses: IWCF Well Control (Level2/Level3&4), Operating Driller Cyber Chair X-COM, DR1 Offshore Drilling Induction
- HSE Courses: IADC Rig Pass
- ROV Courses: ROV Operator
- Courses for Marine Personnel: Basic Safety Induction, Advanced Safety Training, Safe Rigging & Slinging, Seagoing DP Familiarization
- English Language Courses
- 120 seats in four training rooms, 20 seats in conference room, 14 design offices, 50 seats in restaurant
- DrillSIM 6000 & DrillSIM 20 drilling simulators
- ROV simulator room equipped with ROV Triton XLX Simulator, designed by Perry Slingsby
- DNV GL ISO 9001 Quality System Certification
- Total facility area: 2196.5 sqm

GSP Catering

- Food and Beverages Services
- Housekeeping Services
- Custom Catering Services for Oil & Gas, Shipping and Air transport companies
- Procurement and Logistics capabilities
- Executive chef with extensive experience and Serve Café Certification, nutrition specialists
- Bio Food options/ selection of sustainable local products
- Continuous Training Programs
- Integrated HSEQ Management System

Our Clients

Selected References:
Offshore Drilling, Constructions and Support Services

Offshore Drilling

Offshore Construction

Offshore Support Services

Engineering

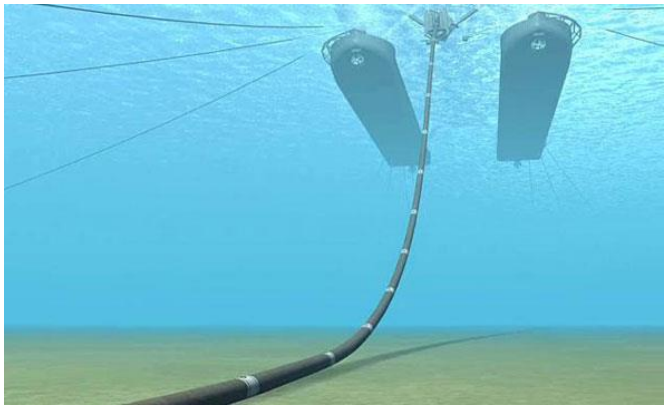
GSP Engineering, member of GSP Holding, enjoy a long lasting regional leading position in the Offshore Engineering & Construction businesses, with a strong focus on oil & gas-related activities in remote areas shallow and deep-waters

- GSP Engineering

GSP Engineering

We support our clients since the early phases of projects and throughout the entire development of the field with a wide set of products and services including platforms, pipelines, subsea field developments and with distinctive capabilities in the execution of large-scale offshore projects.

We leverage on our strong engineering, procurement, project management, construction, installation and technological competence, our outstanding asset base and consolidated local presence (people, yards, logistic bases) especially in strategic countries like Russia.

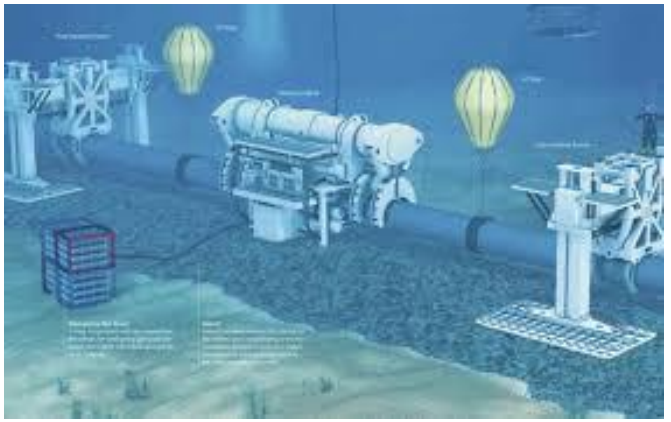


GSP Engineering is an engineering companies working in the Oil & Gas Industry on:

- Sea-lines
- Subsea Template
- Subsea Manifolds
- Deck & Jackets
- Hyperbaric Welding

In these areas GSP Engineering covers:

- Engineering Management
- Conceptual & Basic Design
- Procurement And EPCI Projects Management
- Fabrication, Marine Operation & Installation Engineering



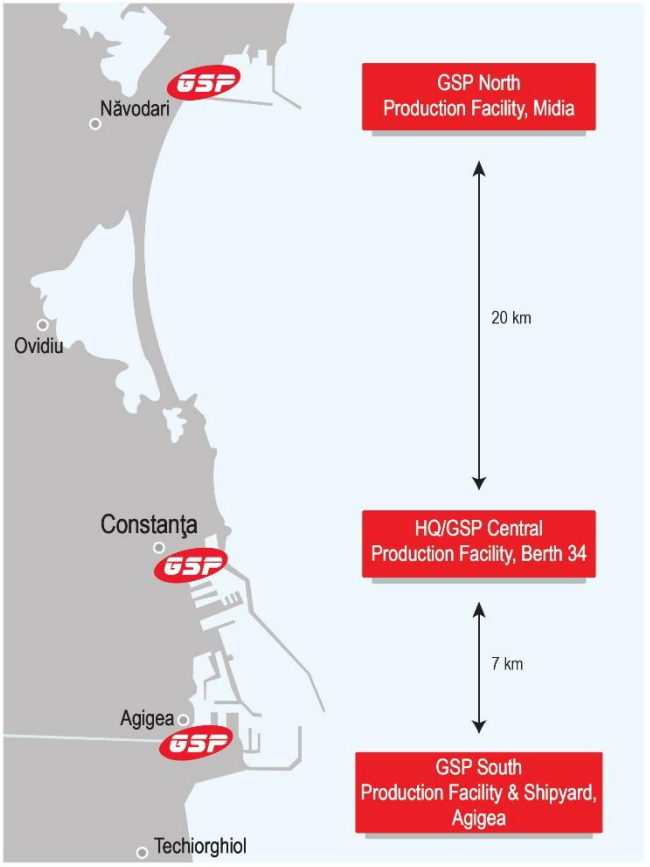
Facilities

The location provides fast river / canal connection with Western Europe and directly with Rotterdam port, through the Rhine-Main canal.

- GSP South Production Facility& Shipyard
  Agigea
- GSP North Production Facility
  Midia
- GSP Training Center
  Berth 34

Construction & Workshop Facilities

The location ensures fast river/canal connection with Western Europe and directly with Rotterdam port, through the Rhine-Main canal. The location is ideal to serve the needs of the Black Sea region, and beyond, offshore and onshore oil, gas and petrochemical construction market. It also allows GSP to benefit from a direct source of skilled local craftsmen, dedicated to meeting the needs of any offshore or onshore development project.



GSP South Production Facility & Shipyard, Agigea

Profile

GSP Shipyard is a regional facility specialized in procurement, engineering, fabrication, and project management for offshore constructions.

GSP Shipyard offers the necessary infrastructure to support offshore construction with a complex steelwork facility endowed with an extensive fleet of heavy lift cranes.

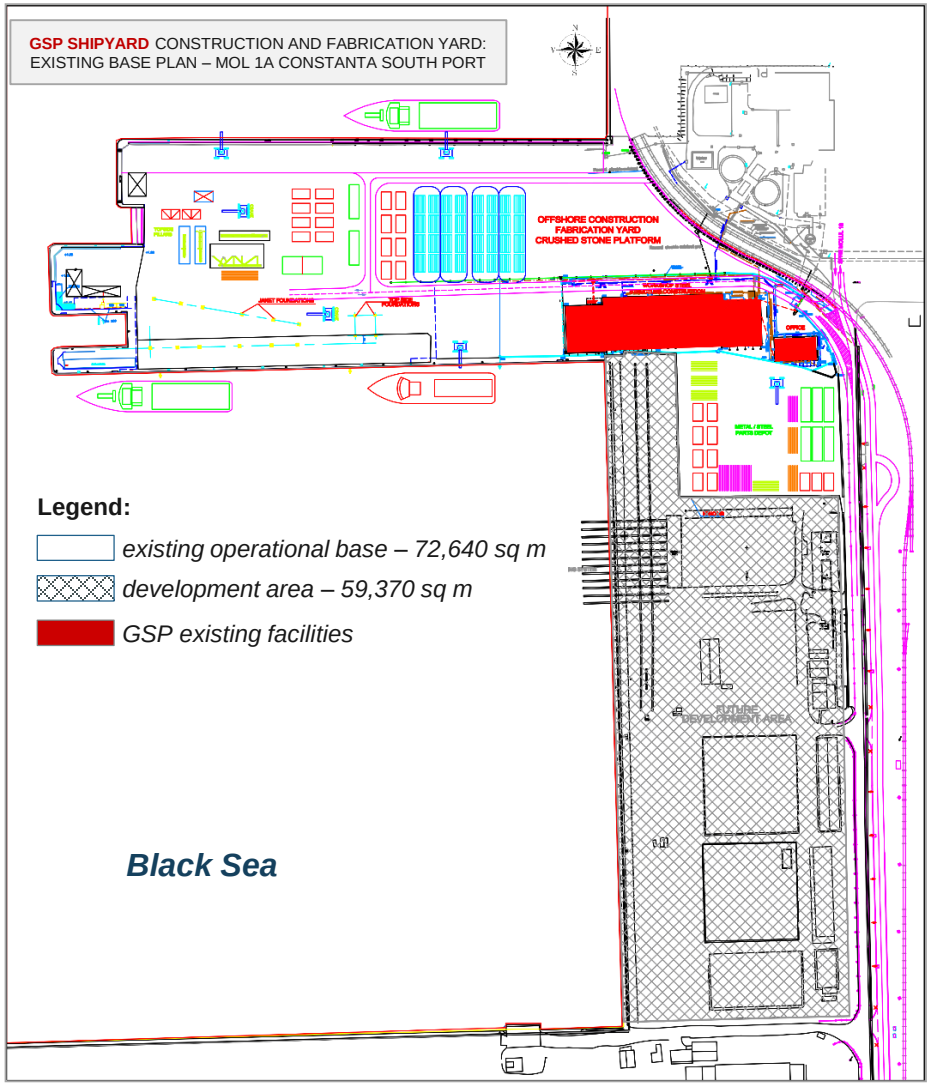
GSP Shipyard tackles each challenge with safe, reliable and innovative solutions, committed to provide sustainable development both for the company and for the community where it operates.

GSP Shipyard fabricates the steel structures in accordance with all relevant standards requested by offshore oil and gas industry.

• *ISO & ISPS certified port facilities* • *Skilled & certified manpower* • *Heavy lift & high speed onshore and floating cranes, up to 4400 tons* • *Multipurpose workshops and heavy-duty platforms* • *Complex steelwork facility*

GSP South Production Facility & Shipyard, Agigea

Facts & Figures



Access to open sea

Distance to open water:	*6 km*
Minimum channel water depth	*7 m*
Minimum channel width	*160 m*
Height restrictions	*None*
Tidal range	*Negligible*

Construction & assembly hall

New built yard quarter	*950 m^2*
Production area:	5,750 m^2
Gantries	*2 x (20 + 5) ton*

Steel fabrication area

	Surface	*Maximum load*
Crushed stone pavement area	*66,000 m^2*	*30 t/m^2*
Pile reinforced area	*3,600 m^2*	*200 t/m^2*
Concrete pavement	*13,500 m^2*	*30 t/m^2*

Personnel and Manpower

- *At peak work load the Agigea Fabrication Yard employs over 350 personnel and has an annual direct man-hour capacity of more one million man-hours.*
- *The yard operates five and a half days a week with two shifts per day.*

GSP South Production Facility & Shipyard, Agigea:

Fabrication Capabilities

GSP Shipyard provides end-to-end solutions in steel fabrication services having the full capacity to deliver:

- Jackets
- Decks / Topsides
- Bridges
- Tripods
- Piles
- Floating Structures
- Offshore constructions and modules
- Piping and facility installation.

GSP Shipyard provides highly specialized services for the shipbuilding projects and repairs including:

- New-builds
- Upgrades
- Reactivation / Conversion
- Green scrapping

Works performed on Akcakoca Project

Annual Tonnage Capacity:	5,000 metric tons – after upgrading: up to 12,500 metric tons
Annual Direct Man-Hour Capacity:	1 million man-hours
Largest Jacket:	1,450 metric tons
Largest Single Piece Deck:	700 metric tons
Maximum Wharf Side Lift:	1,450 metric tons (GSP Neptun)

Works performed on Akcakoca Project

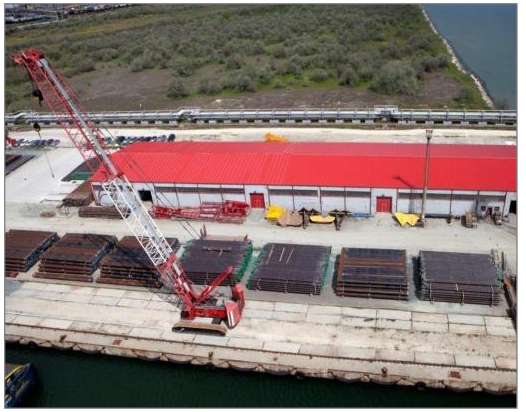
GSP North Production Facility & Pipeyard, Midia

Profile

GSP Logistics is an industrial harbor logistic facility for offshore oil and gas activities, located in the north part of Harbor Constanta, Romania

GSP Logistics is providing support services to oil and gas producing companies, oil and gas operators, shipping lines, vessel operators and drilling contractors. These services include, but are not limited to machine shop services, drilling fluid services, pipe coating services and many other. All services are provided with the support of the following facilities:

- Quay Apron with trenches for bulking and water/ drilling mud supplies
- Area behind quay for silos
- Storage racks for pipes and drilling gear
- General storage and lay down area
- Workshops/ Warehouses and testing facilities
- Other facilities for casing, tubulars, machine shops and pipe coating
- Pipe storage and double joint welding line facility
- Welding shop facility for pipeline projects
- Cranes, lifting equipment and heavy trucks
- Office for base operators and users
- Maintenance, fire and safety storage areas and workshops
- Helicopters operation facility and maintenance
- Waste management facilities



GSP North Production Facility & Pipeyard, Midia: Facts & Figures

GSP Logistic base incorporates all types of transport infrastructure from aviation to ship transport and land transport (on railway and on road)

Area details	**Surface**	**Maximum load**
Crushed stone pavement:	310,000 m^2	15 t/m^2
Concrete pavement:	45,000 m^2	30 t/m^2
Constructions (incl. helicopter base):	20,000 m^2	

Operational & Inside Storage area	Surface
Outside operational area:	7,500 m^2
Total warehouses surface:	7,000 m^2
Offices:	900 m^2

3 workshops
Offshore welding school
Automatic line for tubular drilling equipment check & repairs
Drilling school (similar offshore rig equipment)

Access to GSPL Base:

1.By water:

- connection to Black Sea
- connection to Danube Channel

2. By railway – direct connection with national rail network

3. By road

4. By air – through helicopter base

GSP Training Center - Berth 34, Constanta Harbour

The DrillSIM-6000 is capable to offer full Well Control training and training in Cyber Base operating controls.

Simulator room I:

GSP Training Center also offers training using Drill SIM 20 mobile compact drilling simulator. The two simulators are high level technological products, offering comprehensive training solutions for the oil and gas industry.

- Drilling Courses
- HSE Courses
- ROV Operations

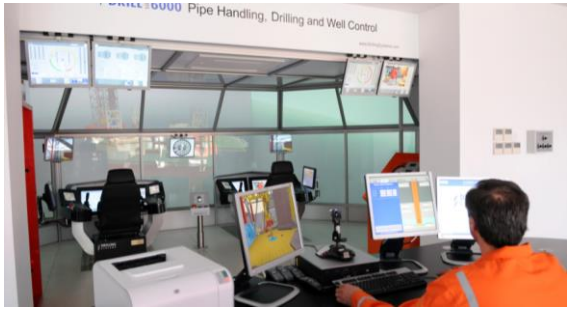
Simulator room II:

Equipped with a remote operated vehicle (ROV) simulator. The ROV Triton XLX Simulator is designed and manufactured in 2010 by Perry Slingsby, UK, in cooperation with VMAX Simulation Technologies US.

The ROV simulator comprises:

- ROV Pilot and Assistant controls;
- Input / Output devices identical with the real ROV devices, including Media Wall monitors;
- Instructor's desk for monitoring, logging, scenario creation and troubleshooting problems input, parameters and variables for the virtual environment.

- 2,196.50 sqm total area
- 120 seats in four training halls
- 20 seats in conference room
- 14 design offices
- 50 seats in cafeteria



Fleet

- Jack up Rigs
- Vessels
- Construction Vessels
- Offshore Heavy Lift Cranes
- ROVs & SAT Diving System & Trenchers
- Helicopters

Our Fleet

Rigs - self elevating units, cantilever

GSP ATLAS

Four legs
Built 1985
Rebuilt 2007
Class GL
Flag Malta
Accom. 90+2
Helideck 80 x 80 ft
Max Drill Depth
25,000 ft
Max Water Depth
300 ft

GSP FORTUNA

Three legs
Built 1984
Upgraded 2011
Class ABS
Flag Vanuatu
Accom. 88
Helideck 70 ft
Max Drill Depth
25,000ft
Max Water Depth
300ft

GSP JUPITER

Four legs
Built 1987
Rebuilt 2007
Class ABS
Flag Malta
Accom. 95 + 2
Helideck 80 x 80 ft
Max Drill Depth
30,000 ft
Max Water Depth
300 ft

GSP MAGELAN

Three legs
Built 1992
Class ABS
Flag Vanuatu
Accom. 116
Helideck 83 x 83 ft
Max Drill Depth
30,000 ft
Max Water Depth
350 ft

GSP ORIZONT

Four legs
Built 1982
Rebuilt 2006
Class GL
Flag Malta
Accom. 90+2
Helideck 80 x 80ft
Max Drill Depth
25,000 ft
Max Water Depth
300 ft

GSP PROMETEU

Four legs,
Built 1984,
Upgraded 2003
Class ABS
Flag Malta
Accom. 90 + 2
Helideck 80x80 ft,
Max Drill depth
20,000 ft
Max Water Depth
300 ft

GSP SATURN

Four legs,
Built 1988,
Rebuilt 2009
Class ABS
Flag Panama
Accom. 100
Helideck 80x80 ft
Max Drill depth
30,000 ft
Max Water Depth
300 ft

GSP URANUS

Three legs,
Built 1980,
Rebuilt 2014
Class ABS
Flag Vanuatu
Accom. 100
Helideck 70 ft
Max Drill depth
25,000 ft
Max Water Depth
333 ft

Our Fleet

AHTS Vessels

GSP ALCOR

AHTS Offshore Support Vessel
class ABS
Main engines 2 x 2,575 BHP
Built in 2009.

GSP ANTARES

Safety/Emergency
Response/AHTS/OSR Vessel
Class DnV
Propulsion: 4 x Winchmann Diesel
type AXAG, each 4,500 BHP.

GSP QUEEN

AHTS Offshore Support Vessel
class ABS
Main engines 2 X 2,925 kW
Built in 2006

GSP KING

AHTS Offshore Support Vessel
Class ABS
Main engines 2 X 4,000 kW Wartsila 8L32
Built in 2005

GSP VEGA

AHTS Offshore Tug/Supply Vessel
Main engines 4 x MAK Diesel 3,200
BHP
Designed and built in 1982.

GSP PEGASUS

DP2 / FIFI 2
Main engines 21,456 HP /16000kW
Built in 2013.

GSP Borgstein

AHTS DP 2 for deep water operations
Class DNV
Main engines 2x 3,000 kW, Bergen
2x 4,500 kW Bergen
Built in 2003.

Our Fleet

AHTS Vessels

GSP ORION

PSV, OSR
Class BV
Built 1983, Major upgrade 2009
Main propulsion 5,160HP
LOA 67.4 m,
Beam 16.8 m
Accom. 21.

GSP PERSEU

MULTIPURPOSE FIELD / PSV
Class DNV *1A1
Main propulsion: 2 x Caterpillar 1630kW each
2 x Caterpillar 990kW each.

GSP ALTAIR

DP 2 PSV
Class LR
Main engines 2x Wartsila
(total 4,920kW)
Built in 1998

GSP CENTAURUS

DP 2 PSV
Class LR
Main engines 2x Wartsila
(total 4,920 kW)
Built in 1998

GSP LICORN

MULTIPURPOSE FIELD / PSV
Class DNV *1A1
Main propulsion: 2 x Caterpillar 1630kW each
2 x Caterpillar 990kW each.

GSP Monsoon

DP 2 diesel electric PSV
for deep water operations
class DNV
Main engines 4x 1,580 kW, total 6,320 kW (8,475 HP)
Built in 2006.

GSP Mistral

DP 2 diesel electric PSV
for deep water operations
class DNV
Main engines 4x 1,580 kW, total 6,320 kW (8,475 HP)
Built in 2006.

Our Fleet

Construction Vessels

GSP BIGFOOT 1

DP2 Pipelay Barge
Heavy-lift 400 MT offshore crane
Classified under ABS register, class notation A1, Barge, DPS-2, UWILD, CRC. 60 MT pipe handling crane LOA (excluding stinger) 135.00 m, 6 x 2,200kW Rolls Royce Azimuth Thrusters, 8 point Mooring Winches, KONGSBERG DPS Class 2, KONGSBERG HIPAP 500 system, 200 MT pipelaying capacity, 6 x 50 MT Pipe Repair Davits, A&R Winch capacity of 200 MT, three sections-90m Stinger, helideck-Sikorsky S-61N & S-92 with refueling system, 125 HP ROV XLR, accommodation 240 POB. Built in 2010 in GSP Shipyard, upgraded in 2015.

Duties: Pipelay, heavy lift works. The pipelay system is based on the single joint S-lay principle. The barge is capable of installing 6” to 60” diameter pipelines.

GSP BIGFOOT 2

Semi-submersible, Heavy lift, Transportation Barge
Class Lloyd’s Register, class notation +100A1
submersible pontoon, maximum operating depth 12.26 meters to bottom of keel, deck strengthened up to 15,000 kg / sqm
LOA 122.45 m
Beam 30.50 m
Built in 1977 in Japan
Rebuilt in GSP’s North Production Facility – Midia Base.

Duties: Dry heavy marine transportation – offshore drilling rigs, offshore production structures and modules such as jackets, topsides, other heavy floating and non-floating cargoes, using the float on / float off method, other offshore installation works.

Our Fleet

Offshore Heavy Lift Cranes

GSP GRANIT

100 tons SWL crane barge
Built in 1973
LOA 40,66 m
Beam 20.02 m
Power 2 x 331 kW
Accommodation: Crew only – 16

Duties: offshore construction

GSP NEPTUN

1,800 tons SWL crane barge
Built in 1998, upgraded in 2010
Lifting speed / load 1.8 m / min., lifting speed / unload 3.6 m / min.
Main hooks lifting height 72.00 m
LOA 83 m, Breadth 44 m
Gross tonnage 7.502 t
Accommodation: 16

Duties: Offshore construction – platform installation, rebuilding and removal.

Our Fleet

Multi role vessel & Sat Diving

GSP FALCON

GSP Falcon's excellent Dynamic Positioning (DP), station keeping and working weather limits provide a stable platform capable of supporting a Vertical Lay System (VLS), carousel or reel mounted equipment. Verified to Norwegian standards, her innovative design and high degree of sophistication provide a cost-effective solution for a wide range of specialist services, including hyperbaric welding, flexible flowline, riser and umbilical laying, installation of structures, piling and mothership support for trenching and diverless subsea equipment.

PRINCIPAL DIMENSIONS

Length overall	111.4 m
Length between pp	100.04 m
Breadth moulded	22.5 m
Depth moulded	11.0 m

OPERATING DRAFT

6.4m – 7.26m (depending on loading conditions)

GSP SAT DIVING SYSTEM

Capacity up to 15 divers
Designed and built by LexMar Eng.
IMCA and ABS compliant.
Water depth: up to 300 m

Our Fleet

ROV, Sat Diving & Trenchers

The ROVs (Remotely operated vehicle) GSP owns and operates incorporate latest generation robotic technologies being able to operate in the safest manner in the toughest weather conditions and challenging environment.

GSP ROV TRITON XLR

Perry Slingsby Triton XLR,
Medium Duty Work Class ROV
3,000 msw, 125 HP

GSP ROV TRITON XLX

Perry Slingsby Triton XLX,
Heavy Duty Work Class ROV
3,000 msw, 150 HP

GSP MOHAVE

Navajo compact size and weight
portable ROV system
300 msw

GSP MOHICAN

Mohican Inspection Class ROV
system, 2,000 msw

GSP JETTING JACK

Max. Operating Depth: 50 m
Burial Depth: 0.6 to 1 m to top of product
Cutting Capacity: Sand / Clay
Minimum Ground Pressure: 10 Kpa

**GSP OCEAN TRENCHER &
GSP OCEAN RANGER**

Max. Operating Depth: 30m or modified to 100m
Burial Depth: 0 to 3.3 m to top of product
Cutting Capacity: Sand to moderate/ strong rock
Minimum Ground Pressure: 10 Kpa

Our Fleet

Helicopters

AGUSTA WESTLAND 139

- 3 x Agusta Westland AW139
- Passenger offshore transportation, search and rescue operations over water/mountains, MedEvac operations
- Largest cabin size in its class, two sliding doors and flat cabin, unprecedented all weather capabilities
- 2 of the aircrafts are equipped with the Full Ice Protection System (FIPS)
- All the specifications required by the Oil & Gas Industry (OGP), two Search and Rescue transponders - SART, single rescue hoist-Goodrich, being able to perform a search and rescue mission flying 100 NM from the take off base, stay in the area for nearly 100 minutes and fly back to the base retaining 45 minutes of reserve (with standard fuel tanks).
- Aerolite Stretcher Kit included (a 3 part stretcher installed in the center of the cabin using the seat tracks) which allows medics full access to the patient in flight.

Selected References

Selected References: Drilling Projects (1/4)

#	Client	Operating Area	Scope of work	Water Depth	Rig
1	Kavala Oil S.A., Greece	Greece - Kavala	Drilling, completion and testing, well abandonment	30m	GSP ATLAS
2	REPSOL YPF Oriente Medio S.A.	Persian Gulf / Iran	Drilling, completion and testing, well abandonment, workover	-	
3	IOECC	Persian Gulf	Drilling, completion and testing, well abandonment, workover	22m to 75m	
4	PEMEX , Mexico	Gulf of Mexico, Bay of Campeche	Drilling, sidetracking, completion and testing, workover	39 m to 50m	
5	PEMEX, Mexico	Gulf of Mexico, Bay of Campeche	Drilling, sidetracking, completion and testing, workover	49 m to 51.5m	
6	Energean Oil & Gas SA, Greece	Kavala, Greece	Drilling, completion and testing, well abandoment	32m	GSP FORTUNA
7	PEMEX, Mexico	Gulf of Mexico, Bay of Campeche	Drilling to 6623m, sidetrack f/5716m, well testing, well abandoment	11m	
8	Petrom SA, Romania	Black Sea, Romania	Install production platform extension, drilling, completion and testing	45m to 52 m	GSPJUPITER
9	Petrom SA, Romania	Black Sea, Romania	Workover, provide utilities	52m	
10	OMV Petrom SA, Romania	Black Sea, Romania	Drilling, sidetracking, completion and testing, well abandonment, workover	37m to 72m	
11	Melrose Resources Sarl, Bulgaria	Black Sea, Bulgaria	Drilling, abandon, subsea completion	63m to 72m	
12	OMV Petrom SA, Romania	Black Sea, Romania	Drilling, completion and testing, well abandonment, workover	48m to 89.5m	
13	Melrose Resources Sarl, Bulgaria	Black Sea, Bulgaria	Drilling	82.5m	
14	OMV Petrom SA, Romania	Black Sea, Romania	Workover	51.5m	
16	TPAO, Turkey	Black Sea, Turkey	Drilling, completion and testing	85m	
17	Midia Resources SRL, Romania	Black Sea, Romania	Drilling, completion, abandonmnent	55m to 90m	
18	OMV Petrom SA, Romania	Black Sea, Romania	Drilling, sidetracking, logging, well testing and completion	43m	
19	Cooper Energy, Tunisia (CE Tunisia Bargou Ltd.)	Mediterranean Sea, Tunisia	Drilling, completion and testing, well abandonment	54m	

Selected References: Drilling Projects (2/4)

#	Client	Operating Area	Scope of work	Water Depth	Rig
19	TPAO, Turkey	Mediterranean Sea	Drilling, completion and testing, well abandonment	83m	GSP JUPITER
20	Numhyd a.r.l.	Mediterranean Sea	Drilling, completion, testing and well abandonment	65 m	
21	Oriental Oil Co.	Persian Gulf	Drilling, completion and testing, well abandonment, workover	44 m	GSP ORIZONT
22	IOECC	Persian Gulf / Iran	Drilling, well testing, completion, installation, production platformworkover	52m to 73m	
23	PEMEX, Mexico	Gulf of Mexico	Drilling, well completion and testing	31m to 50m	
24	PEMEX, Mexico	Gulf of Mexico	Drilling, well completion and testing	41m	
25	Melrose Resources Sarl, Bulgaria	Black Sea, Bulgaria	Drilling, well abandonment	18m to 24m	GSP PROMETEU
26	Petrom S.A., Romania	Black Sea, Romania	Drilling, completion and testing, well abandonment	44m	
27	MADISON OIL Turkey Ltd.	Black Sea, Turkey	Drilling, completion and testing, well abandonment workover	62m to 79m	
28	TIWAY Turkey Ltd. (ex TOREADOR Turkey Ltd.)	Black Sea, Turkey	Drilling, completion and testing, well abandonment, workover	62m to 79m	
29	TPAO, Turkey	Black Sea, Turkey	Drilling, completion and testing, well abandonment	75m to 86m	
30	TIWAY Turkey Ltd. (ex TOREADOR Turkey Ltd.)	Black Sea, Turkey	Drilling, abandon	78.5m	
31	Midia Resources, Romania	Black Sea, Romania	Drilling, completion and testing, well abandonment, workover	69m	
32	OMV Petrom S.A., Romania	Black Sea, Romania	Workover	52m	
33	Midia Resources, Romania	Black Sea, Romania	Drilling and well abandonment	69m to 83m	
34	Melrose Resources Sarl, Bulgaria	Black Sea, Bulgaria	Drilling, well abandonment, workover, installing subsea X-tree	23m to 52m	
35	Melrose Resources Sarl, Bulgaria	Black Sea, Bulgaria	Drilling, well abandonment	72m	
36	OMV Petrom S.A., Romania	Black Sea, Romania	Accommodation, well services, light workover	52m	

Selected References: Drilling Projects (3/4)

#	Client	Operating Area	Scope of work	Water Depth	Rig
37	Melrose Resources Sarl, Bulgaria	Black Sea, Bulgaria	Drilling, completion and testing, well abandonment	49.5m to 76.5m	GSP PROMETEU
38	Melrose Resources, Romania	Black Sea, Romania	Drilling, completion and testing, well abandonment	89m	
39	OMV Petrom S.A., Romania	Black Sea, Romania	Workover	51m	
40	Melrose Resources, Romania	Black Sea, Romania	Drilling, abandon	62.4m	
41	TPAO, Turkey	Black Sea, Turkey	Drilling, well abandonment	85.6m to 88m	
42	Petrom S.A.	Black Sea, Romania	Drilling, completion and testing, well abandonment	52m	GSP SATURN
43	Petrom S.A.	Black Sea, Romania	Workover	52m	
44	Melrose Resources Sarl	Black Sea, Bulgaria	Drilling,completion and well test, abandonment	23m	
45	TIWAY Turkey Ltd.	Black Sea, Turkey	Drilling, completion and well testing	62m	
46	Petrom S.A.	Black Sea, Romania	Drilling, well abandonment, workover	32m to 87m	
47	TIWAY Turkey Ltd. (ex TOREADOR Turkey Ltd)	Black Sea, Turkey	Workover	83m	
48	TPAO Turkey	Black Sea, Turkey	Drilling, completion and testing, well abandonment	55m to 79m	
49	JAPEX Libya Ltd.	Mediterranean Sea, Libya	Drilling, well abandonment	70m	
50	Aegean Energy S.A.	Mediterranean Sea, Greece	Drilling, sidetracking, workover	32m	
51	NUMHYD a.r.l.	Mediterranean Sea, Tunisia	Drilling, abandon	64m	
52	APEX Tunisia	Mediterranean Sea, Tunisia	Plug and well abandonment	13m	
53	Wintershall Noordzee B.V	North Sea - Dutch Sector	Drilling, completion and testing, well abandonment	27m to 44m	
54	LLC Gazpromneft Sakhalin	Barents Sea (Pechora), Russian Federation	Drilling, completion, testing	40.5m	

Selected References: Drilling Projects (4/4)

#	Client	Operating Area	Scope of work	Water Depth	Rig
55	OMV Petrom, Romania	Black Sea	Drilling, completion and testing, well abandonment, workover	37m to 52m	GSP URANUS
56	PRIAZOVNEFT, Russian Federation	Azov Sea	Drilling, well abandonment	12.7m	
57	OMV Petrom, Romania	Black Sea	Drilling, completion and testing, well abandonment, workover	51 m	
58	OMV Petrom, Romania	Black Sea	Drilling, completion and testing, well abandonment, workover	54 m	

Selected References: Completed EPIC Projects

#	Project	Client	Location	Asset Used	WD [m]	Description	Start Date	End Date
1	Q4-C FIELD PIPELINE	WINTERSHALL NOORDZEE	NORTH SEA (HOLLAND)	GSP FALCON	35	30 KM (10" P/L)	2012	2012
2	LEMAN FIELD	PERENCO	NORTH SEA (UK)	GSP FALCON	40	9.5 KM (8" P/L AND UMBILICAL)	2012	2013
3	HUNTER PIPELINE REPLACEMENT	E.ON E&P	NORTH SEA (UK)	GSP FALCON	40	8 KM (8" P/L)	2012	2013
4	GALATA EAST-3	MELROSE RESOURCES	BLACK SEA (BULGARIA)	GSP BIGFOOT 1	80	1.7 KM (10" P/L) 2.8 KM (6" P/L) (1" UMBILICAL)	2013	2013
5	GALATA PROJECT	MELROSE RESOURCES	BLACK SEA (BULGARIA)	GSP BIGFOOT 1	80	8.5 KM (6" P/L) 14.5 KM (10" P/L)	2009	2010
6	**AKCAKOCA OILFIELD**	**TPAO**	**BLACK SEA (TURKEY)**	**GSP BIGFOOT 1 GSP NEPTUN**	**95**	**7 KM (12" P/L) JACKET (1,450 MT)**	**2008**	**2010**
7	**DLS PIPELINE**	**GAZPROM**	**BLACK SEA (RUSSIA)**	**GSP BIGFOOT 1**	**75**	**165 KM (20" P/L)**	**2009**	**2011**

Successfully delivered project:
AKCAKOCA EPIC

The 2nd development stage of the Akcakoca natural gas offshore field, EPIC project carried out by GSP

Project Overview

- 12 inch diameter, 7 kilometers length of pipeline – incl. sub-sea tie-in in existing pipeline
- Replacement of 2 well with 6 well template – 6.5 tons and 12.5 meters long fabrication and installation
- The 1,515 tons and 101 meters long 4-leg steel jacket in 95 m water depth
- The 487 tons (894 tons incl. equipment) double deck steel topside fabrication
- Load out operations and sea fastening for the offshore construction modules
- Transportation from GSP Shipyard facility to Akcakoca field in Turkey
- Installation of jacket and top-sides
- Hook-up and Commissioning
- Drilling and completions of 5 production wells – 1,800 m depth with GSP 31 modular rig
- **Assets:** GSP Bigfoot1, GSP Bigfoot2, GSP Bigfoot3, GSP Neptun, GSP Queen, GSP Alcor, GSP Sat Div, ROVs





Successfully delivered project:
DLS EPIC Pipe-lay

The Dzhubga – Lazarevskoye – Sochi gas pipeline was commissioned in June 2011 at the Russian Black Sea coast, between Dzhubga and Sochi with 5 land-falls. The pipeline was a strategic project to supply the gas for the Russian Olympic Winter Games in 2012.

Project Overview

- 20 inch diameter with 2 inch CWC, 165 kilometers length of pipeline – incl. 5 HDD landfall pull-ins
- 6 inch diameter, heavy wall thickness, 6 kilometers length – partially piggy-bagged
- Maximum water depth 80 meter
- Estimated service life – 50 years
- Transportation of coated pipes from Temryuk, Azov Sea to the Black Sea Russia (250 km to 400 km)
- Partially trenching operations in shallow water sections
- 2 x hyperbaric welding of 6” pipeline in 55 meters water depth
- **Assets:** GSP Bigfoot1, GSP Prince, GSP Queen, GSP Alcor, GSP Sat Div, ROVs





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