

Vessels

Our Activities

Technology
Creating
Value



The horizon is just the beginning. Our challenge is to see beyond it.

Applications for offshore energy



Vessels

For decades, ship-shaped structures have been the carriers used in a variety of operations in the offshore industry. GustoMSC, a member of the SBM Offshore Group, was one of the pioneers in exploration, construction and production units in the late 1960s and early 1970s. Vessel solutions were initially based on conversions and fitted for the purpose following modifications. Crane vessels like the Challenger and the Odin were equipped with Gusto heavy duty offshore cranes, while the Pelican series were the first purpose built DP drill ships from the Gusto yard.

GustoMSC has inherited these design technologies and continued their state-of-the-art development into the 21st century. Today GustoMSC provides vessel solutions for the drilling, construction and production markets.

Exploration



Newbuild P10,000 NG

The first successful series introduced in the early 1970s were the DP drill ships of the Pelican class; a dozen vessels of this class were built.

To meet the need for high-capacity payload vessels with good transit capability in deeper waters, GustoMSC introduced the P10,000 class as development and exploration drilling vessels and the PRD12,000 class as compact vessels.

The P10,000 class consists of a variety of vessels. The Pride Africa and Pride Angola were the first new deliveries of this series followed by the GSF C.R. Luigs and GSF Jack Ryan in the late 1990s. In 2007 the P10,000 NG was introduced and thus far 3 vessels have been ordered. The P10,000 NG has superior capabilities and features the integration of the drilling equipment in the hull design. In this manner a huge net deck area has been created for storing well services and completion equipment, etc.



Pelican



Pride Africa



GSF Jack Ryan and GSF C.R. Luigs

The PRD12,000 class originates from the Pressurized Riser Drilling capability. This feature can be included; however the present series uses the same hull shape combined with a marine riser layout. The size of the unit is compact with a displacement of around 50,000 tonnes. The first vessels are the "Bully" types, which feature an ice-reinforced hull and winterised marine equipment. The Bully I and Bully II are scheduled for delivery in 2010. The "QDrill" types are seen as the exploration drilling vessels of the near future, with a 10,000 ft water depth capability.

Exploration



PRD12,000 Qdrill

Drilling vessels series GustoMSC P10,000 and PRD12,000

P10,000 class

	Pride Africa Pride Angola	GSF C.R. Luigs GSF Jack Ryan	P10,000 NG
Number built or under construction	2	2	3
Displacement	47,200 t	75,000 t	76,000 t
Length	213.3 m	230.4 m	229.6 m
Deadweight	26,200 t	45,000 t	44,500 t
Water depth	7,500 ft	10,000 ft	10,000 ft

PRD12,000 class

	PRD12,000	Bully I and II	QDrill
Number built or under construction		2	
Displacement	45,000 t	45,000 t	54,000 t
Length	161.1 m	161.1 m	198.0 m
Water depth	12,000 ft	12,000 ft	10,000 ft

DrillDeep DS12,000

GustoMSC and Keppel Offshore Marine DTG jointly develop the DrillDeep DS12,000

Displacement	57,000 t
Length	198 m
Water depth	12,000 ft



Bully I



DrillDeep DS12,000

Construction



Oleg Strashnov

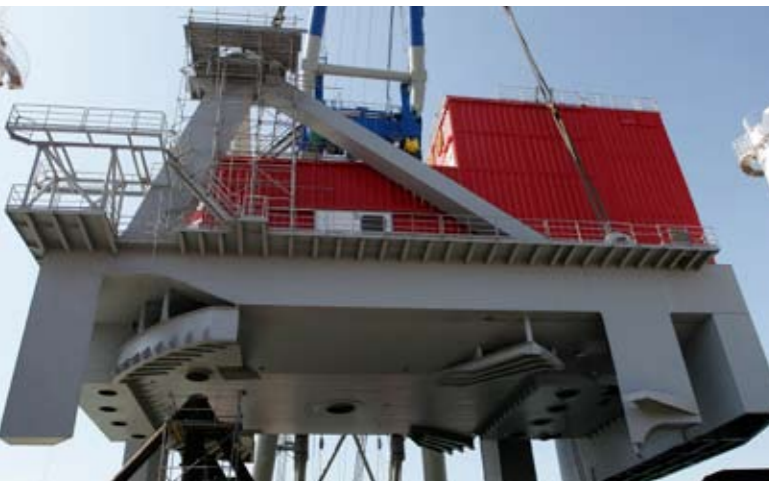
GustoMSC is one of the market leaders in the design and construction of heavy duty offshore cranes with capacities from 500 to 5,000 tonnes. In the late 1960s the first heavy duty offshore cranes were built by the Gusto Shipyard for the Heerema group. These cranes were installed on converted vessels.

With today's operations venturing into ever deeper waters, there is a growing need for more sophisticated vessels and equipment for offshore construction and installation. Transit speed is a new design requirement that has resulted in the development of the HLV series of vessels – units with a dual draft.

The smaller draft is used for pipe laying and transiting, while the deeper draft is used for the heavy lift crane operations. The first unit of this series is the HLV 5000, presently under construction for Seaway Heavy Lifting.

Besides installation capability, pipe laying capacities have been improved. The DPV series of vessels combine a heavy duty offshore crane with an S-lay or J-lay pipe laying capacity for pipe of up to 60 inches in diameter.

Name	Oleg Strashnov	Hai Yang Shi You 201	
Class	HLV 5000	DPV 7500	DPV 4000
Crane	5,000 t	4,000 t	3,000 t
Pipe lay	option	S-lay	J-lay
Length	183.0 m	195.0 m	185.0 m
Power gen.	27,000 kW	40,000 kW	35,000 kW
Accommodation	395 POB	300 POB	250 POB



Load out of slewing platform at yard



Hai Yang Shi You 201

Production



FPSO Saxe-Batuque

GustoMSC has an impressive track record in the design and engineering for the conversion and process engineering of FSOs/FPSOs. To date SBM Offshore operates approximately 20 FSOs/FPSOs with a couple of units under construction / conversion.

SBM Offshore has extensive expertise that fully extends across the areas of in-house engineering, procurement, and construction and operational management, and covers the entire production process, from design up to and including delivery and operations. GustoMSC is one of the execution centres for the SBM Offshore Group and is staffed to execute full EPC contracts, from design up to and including delivery and commissioning.



FPSO Mondo



FPSO Capixaba



FPSO Marlim Sul



FPSO Kikeh



FPSO Oghuzan



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