

SCYLAX COST-EFFECTIVE DEEP WATER CAPABILITY

Scylax brings efficiency and safety features to the mid to deep water drilling market at reduced building and operating cost. Having the optimal tool for the given task is essential in order to meet the objectives of reducing building and operating costs and providing a cost effective solution. The Scylax is designed to be this tool for drilling and well construction in mid to deep water, which allows the design to focus on the essential functionalities that are a necessity for this segment.

The key is this focus on the essential functionalities for deep water drilling. Ultra-deep water units feature ever increasing hook loads and capacities needed for increasingly complex wells in ultra-deep water, significantly exceeding the requirements for the majority of the mid to deep water wells. The Scylax design is based on hook load and capacity requirements that have been rationalized for mid to deep water drilling, without sacrificing any of the functionality, efficiency and safety provided by contemporary developments in drillship design and drilling equipment packages.

Designing the Scylax based on rationalized requirements allows for different choices to be made in the design: smarter rather than just bigger and heavier. This is fundamental to reducing building and operating costs. At the same time, efficiency and safety remain paramount factors in the design. These are integrated by designing the Scylax around the drilling process, balancing out drilling operational and naval architectural aspects. As with all GustoMSC drillship designs, the Scylax is designed giving prime importance to the main mission of the unit: drilling and well construction. By integrating rather than adding the drilling equipment package to the design, a dedicated, more compact design can be achieved, without sacrificing any of the functionality, but reducing building and operating costs.

Deep water drilling in a cost efficient, compact design

The basic set-up of the Scylax design features a single derrick or drilling mast set-up with offline stand building, dual BOPs, water depth capability ranging from 7,000 to 10,000 ft and ample capacity mud systems.

A single well center, with off-line stand building, can achieve good efficiency on the majority of well design with less

equipment. This reduces not only building costs, but also reduces the required maintenance and manning, resulting in lower operational costs. Hook load and set-back capacity are laid out for common well designs in deep water, allowing further rationalization compared to the most highly specified ultra-deep water units. The Scylax has been prepared for integration of the corresponding equipment packages from all major equipment suppliers.

On the well-control side, safety is crucial, and the capacity to carry dual BOPs is included in the basic set-up, reducing BOP-related nonproductive time. Further variations can be made to include Managed Pressure Drilling, both integrated in the design or by preparing for MPD as a future option. Whereas the requirements for Scylax have been rationalized by implementing the required capabilities and capacities based on today's efficient drilling equipment packages and including GustoMSC's insights, knowledge and lessons learned in multiple drillship designs, the operational safety and efficiency in mid to deep water are competitive with contemporary designs.

Signature GustoMSC drillship design features

The Scylax design builds on GustoMSC's track record in designing dedicated drillships, which have proven that they provide equal or better capabilities and performance than their peers in a more compact form, such as in the highly successful P10,000 design, of which 16 have been built to date.

Signature GustoMSC design features, like maximized usable deck areas resulting from the integrated design and dedicated use, in-hull riser storage and in-hull mud and bulk systems and protected walkways, add to the operational safety and efficiency.

Freedom of choice in drilling equipment and shipyard

With GustoMSC as an independent designer, clients have a full and free choice of drilling equipment suppliers and shipyards, while at the same time benefitting from GustoMSC's unparalleled experience.

GustoMSC's familiarity with all major drilling equipment suppliers and its long track record in successfully integrating their equipment in its designs allow freedom of choice with respect to supplier and type of drilling equipment. Similarly, with over 200 units built to GustoMSC design, skills and expertise have been built up in working with shipyards all over the world. Our way of working can be adopted to the largest shipyards in the world, but can also be applied to allow shipyards to engage in drillship projects as they will gain access to our knowledge and experience in the design of this type of ship.

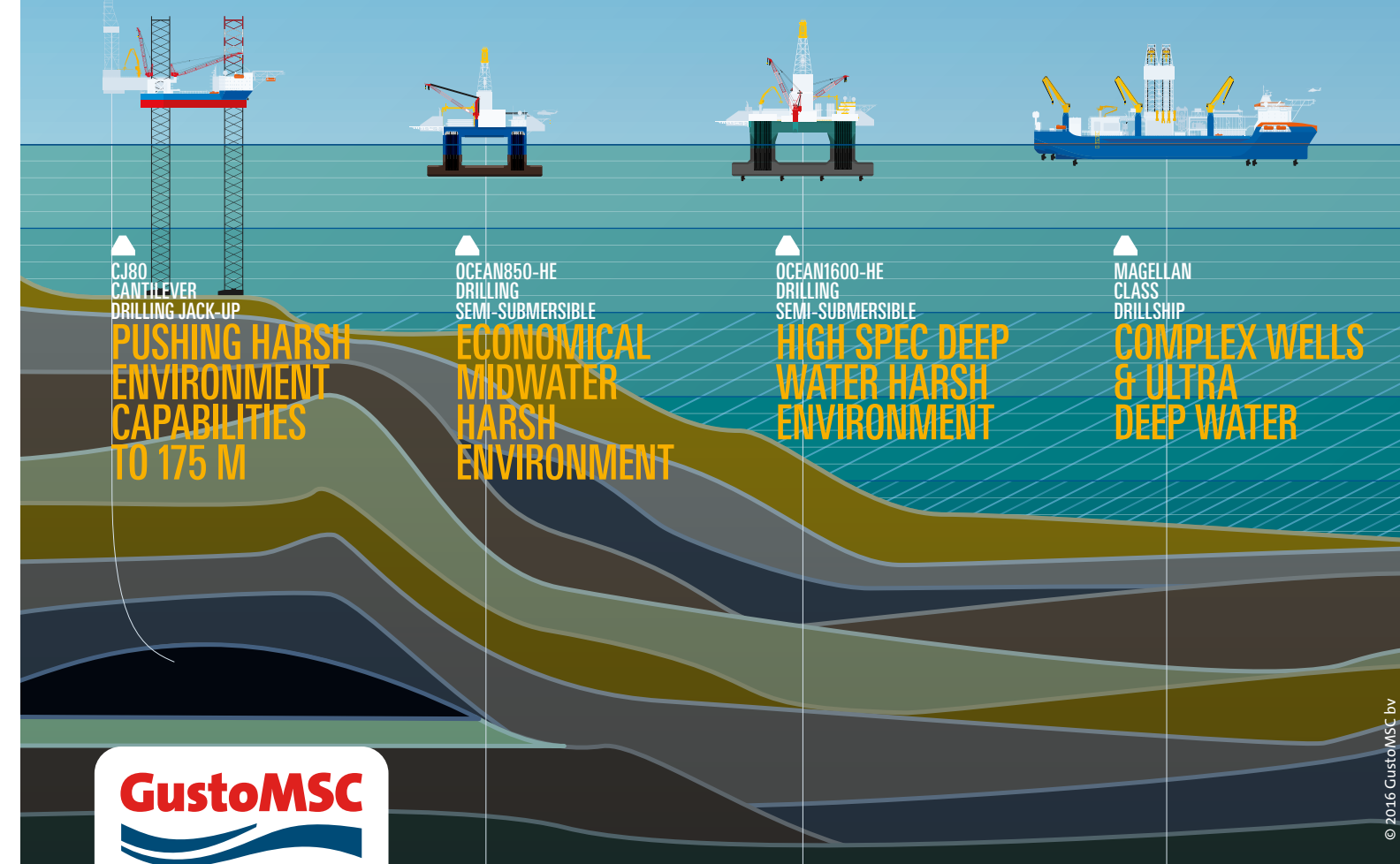
MAIN CHARACTERISTICS

Length overall	178.8 m
Length between perpendiculars	167.2 m
Breadth (moulded)	32.0 m
Breadth overall	37.4 m
Depth at centerline (moulded)	17.5 m
Scantling draught	11.0 m
Variable load	15,000 t
Hook load	2,000 Kips
Setback	1,000 t
Mud capacity	11,300 bbl

Deck Area

Dedicated	2,900 m ²
Free	2,100 m ²
Storage	600 m ²
Total	5,600 m ²

THE PIONEERS OF OFFSHORE ENGINEERING



GustoMSC

GustoMSC is an independent, world renowned and leading design and engineering company, thanks to the vast knowledge and expertise of our dedicated professionals and our close relationships with the most influential players in the offshore energy market. We serve the offshore industry by providing best-in-class solutions for mobile offshore units.

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SCYLAX
DRILLSHIP

COST-EFFECTIVE DEEP WATER CAPABILITY



GustoMSC

Scylax of Caryanda was a renowned Greek explorer sent to explore the Middle East and Indian Ocean. To provide the essential functionality for drilling in the mid to deepwater in these and other areas, GustoMSC developed the Scylax, a contemporary compact and cost effective drillship design. Scylax is designed around today's efficient drilling equipment packages for safe and efficient drilling and well construction in the mid to deep water segment.

**SCYLAX
DRILLSHIP**
**BEST-IN-CLASS-SOLUTION
FOR MID TO DEEP WATER &
MODERATE ENVIRONMENT**



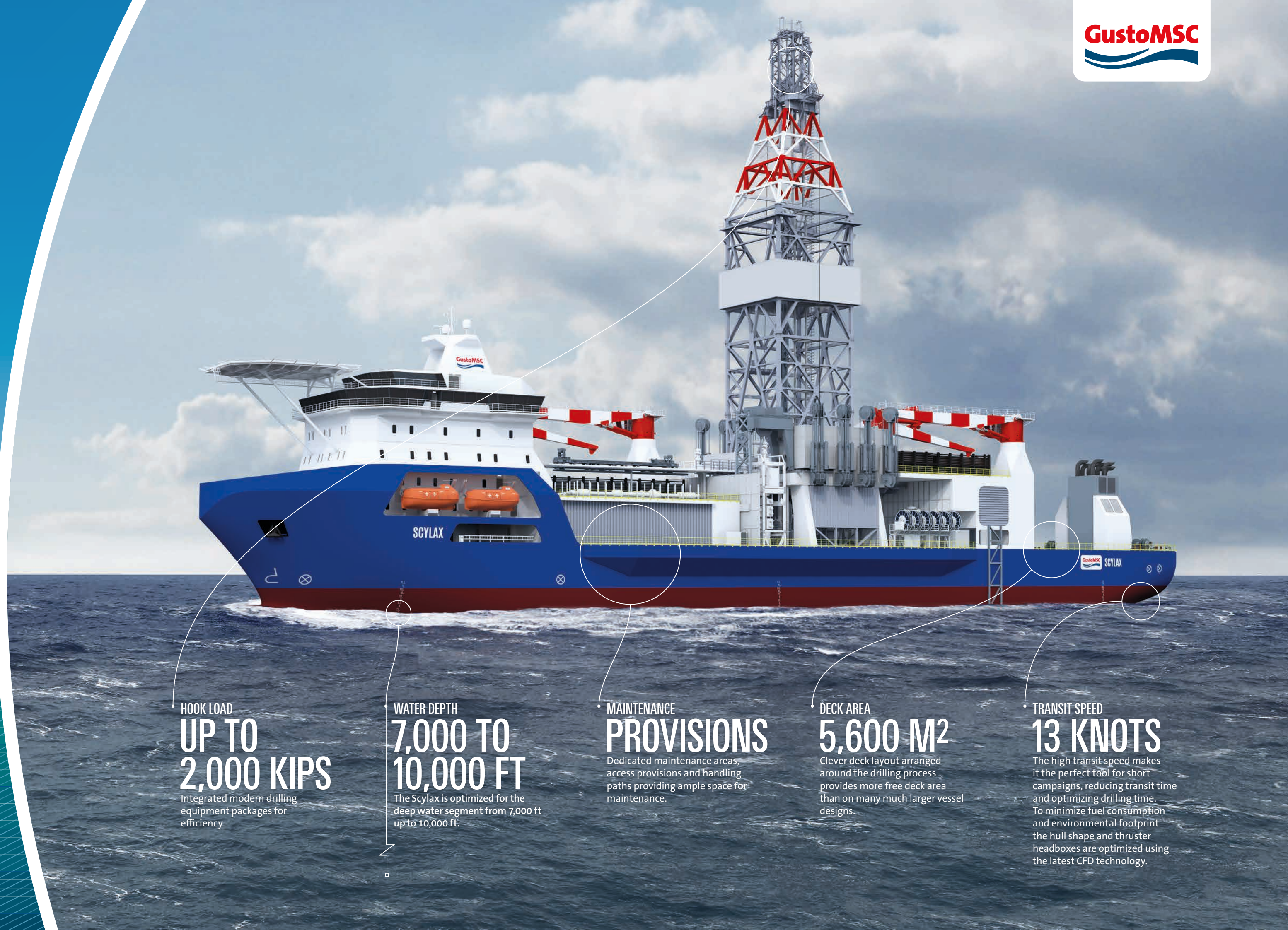
**ECONOMICAL
SOLUTION
COMPACT DESIGN
& FOCUS ON
RATIONALIZED
REQUIREMENTS**

**WORLDWIDE UTILIZATION
WELL-BALANCED
SPEED, MOTION &
DP CHARACTERISTICS**



**OPERATIONAL
EFFICIENCY
INTEGRATED DESIGN
AROUND THE
DRILLING PROCESS
& MODERN
DRILLING PACKAGES**

**INTEGRATED SAFETY
STRAIGHTFORWARD HANDLING,
EASY ACCESS &
PROTECTED WALKWAYS**



**HOOK LOAD
UP TO
2,000 KIPS**
Integrated modern drilling
equipment packages for
efficiency

**WATER DEPTH
7,000 TO
10,000 FT**
The Scylax is optimized for the
deep water segment from 7,000 ft
up to 10,000 ft.

**MAINTENANCE
PROVISIONS**
Dedicated maintenance areas,
access provisions and handling
paths providing ample space for
maintenance.

**DECK AREA
5,600 M²**
Clever deck layout arranged
around the drilling process
provides more free deck area
than on many much larger vessel
designs.

**TRANSIT SPEED
13 KNOTS**
The high transit speed makes
it the perfect tool for short
campaigns, reducing transit time
and optimizing drilling time.
To minimize fuel consumption
and environmental footprint
the hull shape and thruster
headboxes are optimized using
the latest CFD technology.