



SHEN DA

OFFSHORE CONSTRUCTION AND SUPPORT VESSEL



SAIPEM

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OFFSHORE CONSTRUCTION AND SUPPORT VESSEL

VERSATILITY

SWIFTLY RECONFIGURABLE FOR MULTIPLE AND SIMULTANEOUS PROJECT TASKS

CAPABILITY

EQUIPPED FOR CONSTRUCTION, SURF AND HEAVY LIFT OPERATIONS

OPERABILITY

DESIGNED TO PERFORM IN THE HARSHTEST ENVIRONMENTAL CONDITIONS

TECHNICAL SPECIFICATIONS

MAIN FEATURES

- Length: 184,1 m
- Breadth: 33 m
- Main Deck: 1,800 m² @ 15 t/m²
- Max Draft: 8.8 m
- Speed: 15 kn max. (12 kn eco)
- Endurance: more than 60 days (10,000 nm)

CLASSIFICATION

- DNV & CCS
- Ice class C & Winterized Basic

STATION KEEPING

DP3: 4.5 m HS with 2 kn current and 37.1 kts wind

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DP 3: 99, 99, 99, 99

ACCOMMODATIONS

180 persons
58 single cabins
58 double cabins
6 state cabins

MAIN CRANE

NOV design active heave compensated knuckle boom type

Main Hook

- Crane load:
 - 400 t @ 30.6 m (single fall, subsea)
 - 800 t @ 18 m (double fall, offshore)
 - Down to 3,000 m depth

Whip Line

- Crane load 40 t @ 59 m (subsea)
- Man riding: yes 3 t @ 59 m
- Coverage: main deck, reel

AUXILIARY CRANE

McGregor design
Constant tension knuckle boom type

Main Hook

- SWL 50 t @ 30 m (single fall, offshore)
- 10 t @ 61 m (single fall, offshore)
- 100 t @ 15 m (double fall, offshore)
- Coverage pipelay tower, fireline outside stern, main deck

Whip Line

SWL 8 t @ 63 m
Man riding: yes 2.5 t @ 63 m

VERTICAL LAY SYSTEM

- 550 t vertical lay tower
- 2 x 275 t tensioners
- 50 mm to 650 mm O/D products

REELED RIGID PIPES

- Up to 23.6" O/D
- Product capacity 4,000 t

A&R

The system is fitted with primary 615 t and secondary 200 t A&R winches

BASKET / CAROUSEL

Up to 5,000 m under deck basket

WORK CLASS ROVS

Innovator 150 HP

- 2x off 150 HP Class ROV
- Rated to 3,000 m water depth
- 1-off Launched with LARS from mid-ship hangar
- 1-off launched with LARS from after portside deck
- 6.6 kV powered
- 750 m excursion from TMS

HELIDECK

Suitable for Sikorsky S-92

With her high capacity laying system, 800 t active heave compensated crane, DP 3 System and Ice Class notation/winterization, Shen Da is suitable for ultra-deepwater field development project and high rate flexible product and umbilical laying, as well as reel laying in harsh environment. Her 600 t hang-off clamp allows her to perform FPSO hook up.

DID YOU KNOW?

THE SHEN DA CAN EASILY BE CONFIGURED INTO A DIVING VESSEL SINCE SHE WAS ORIGINALLY DESIGNED THIS WAY. SHE'S ALSO EQUIPPED TO PERFORM PIGGYBACK LAYING