



JSD 6000

MULTIPURPOSE DP3 VESSEL
FOR PIPELAYING (J-LAY AND S-LAY)



SAIPEM

JSD 6000

MULTIPURPOSE DP3 VESSEL FOR PIPELAYING (J-LAY AND S-LAY)

FLEXIBILITY



ABILITY TO PERFORM A COMPLETE OFFSHORE FIELD DEVELOPMENT

TECHNICAL SPECIFICATIONS

MAIN FEATURES

- Length overall: 215.08 m
- Length, perpendicular: 197.36 m
- Length, overall: 199.10 m
- Breadth (molded): 49.00 m
- Depth at side (molded): 22.40 m
- Depth, freeboard (molded): 14.70 m
- Draft, min. operational: 8.08 m
- Draft, max. operational: 10.83 m
- Draft, for transit: 8.20 m
- Speed: 11.80 kn

CLASSIFICATION

Built under Lloyd's Register survey for derrick pipelay vessel. LR notations:  100 A1, pipe laying, Helicopter Landing Area, LA, IWS, LI, ECO (IHM), Ice Class 1C, FS, WDL (15 t/m²)  LMC, BWTS, UMS, DP(AAA), CAC3, ShipRight ACS(B)

POWER

- 6 x 9,300 kW main diesel generators
- 1 x 1,550 kW emergency generator

PROPULSION AND DP

- 2 x 6,500 kW aft propellers azimuthing
- 6 x 3,800 kW retractable azimuthing thrusters
- 2 x 2,500 kW tunnel thrusters

MOORING

- 8-points mooring systems

CAPACITY

HIGH J-LAYING CAPACITY (UP TO 2000 T HOLD TENSION AND 36" PIPES OD), S-LAYING CAPACITY (UP TO 900 T HOLD TENSION AND 60" PIPES OD) AND LIFTING CAPACITY (UP TO 5200 T)

CLASSIFICATION

- DP Class 3

MAIN CRANE CAPACITY

- 5,200 t lifting capacity

AUXILIARY CRANES

- 2 x 50 t (knuckle boom)
- 1 x 35 t (knuckle boom) 2,200 m water depth / Active Heave compensated
- 1 x 25 t (telescopic boom)

J-LAY TOWER

- HOC: holding capacity 1,500 t nominal and up to 2,000 t in accidental flooded conditions
- TRAC: capacity 1,500 t in regular conditions and up to 1,800 t in accidental flooded conditions
- PIPELINE ABANDONMENT: 2 x 600 t A/R winches, in tandem can provide up to 1,200 t lowering capacity Those winches are also designed for S-Lay A/R operation and deep-water module handling

Designed to lay pipes from 5" to 36"

S-LAY SYSTEM

- 4 x tensioners of max. 175 t nominal tension each, peak-hold tension 225 t
- Max. nominal laying capacity of 700 t
- Designed to lay pipes from 5" to 60" (including coating) by means of 4 tensioners

STABILITY

DP3 VESSEL WITH 55.7 MW POWER CAPACITY AND A 8-POINTS MOORING SYSTEM

- Modular stinger from 94 m to 190 m, operated by a patented stinger handling system

ACCOMMODATIONS

- 399 PoB high standard

FIRING LINE

- Double line for quad-joint prefabrication

WELDING SYSTEM

- Fully equipped with last generation Saipem automatic Welding Systems

ROV (FUTURE)

- 2x work class ROVs located at vessel stern

DECK LOADING CAPACITY

- 2,100 m² large deck for equipment storage (all pipelay deck equipment are removable) with 15 t/m² bearing capacity

DECK LOADING CAPACITY

- Starboard side overboarding platform with 2 sheaves to allow deep water lowering works
- Capability to accommodate chain laying equipment
- Possibility to install a removable carousel or large reel handling system on deck
- Possibility to install an umbilical and flexible laying equipment

Multipurpose DP3 vessel for pipelaying in S-Lay and J-Lay mode, and heavy lifting useful to offshore projects such as decommissioning and windfarm. J-Lay system of 1,500 t laying capability and 2,000 t holding capacity for laying quadruple and triple joints. S-Lay system of 900 t holding capacity in accidental conditions, featuring a modular stinger operated by a patented handling system. JSD 6000 is also equipped with a full revolving heavy lifting crane of 5,200 ton capacity.