



SAIPEM CONSTELLATION

ULTRA-DEEP WATER RIGID & FLEXIBLE PIPELAY,
HEAVY LIFT, CONSTRUCTION DP 3 VESSEL

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VERSATILITY

HIGH MANOEUVRABILITY
AND TRANSIT SPEED

CAPABILITY

ULTRA-DEEP WATER RIGID
REELED/ FLEXIBLE PIPELAY,
HEAVY LIFT AND CONSTRUCTION

RELIABILITY

DP 3, ICE CLASS, HELIDECK

TECHNICAL SPECIFICATIONS*

MAIN FEATURES

- Length overall: 178 m
- Moulded breadth: 46 m
- Moulded depth: 15 m
- Draft max.: 10.5 m summer draft
- Pipelay type: rigid and flex systems, through moon pool
- Pipelay capacity: rigid: 4" - 16" OD flexible: 4" - 24" OD

CLASSIFICATION

- Det Norske Veritas
- DNV 1A1 Ship Shaped Pipelaying Vessel, Dynpos Autro, ICE-1A, Clean Design
- IMO: 9629756
- Call sign: C6DW9
- Flag: Bahamas

DESIGN

- Held-SH, Crane, ECO, BIS, COMF (V3, C3), NAUT-OSV (A)

PROPULSION / DP

- Stern azimuth thruster aft onboard: 2 x Rolls Royce Aquamaster, 6,000 kW ea.
- Stern azimuth thruster aft inboard: 2 x Rolls Royce Aquamaster, 2,000 kW ea.
- Retractable thruster fwd: 2 x Rolls Royce Aquamaster, 3,000 kW ea.
- Bow thruster tunnel fwd: 2 x Rolls Royce, 2,700 kW ea.
- Bow thruster tunnel fwd: 1 x Rolls Royce, 1,420 kW

DYNAMIC POSITIONING

- DP 3 system: Kongsberg K-Pos DP Position Reference Interface Taut Wire
- 3 DGPS
- 1 x Radius
- 1 x Spot Track
- Acoustic Reference: 2
- Gyro: 3
- Anemometer: 3
- VRU: 3

POWER GENERATION

- 37 MW through 12 gensets in 4 engine rooms

CARGO DECK

- Deck area: 4,200 m² (without reels)

ACCOMMODATIONS

- Berth/Cabin: 239 x 1 berth cabin
- Total: 239 persons

DECK EQUIPMENT

- Crane: Huisman offshore mast crane
- Main hoist: 3,000 t at 29.8 m radius
- Aux. hoist: 1,200 t at 30 m radius
- Whip hoist:
 - 1-fall 80 t, 2,000 m hook travel
 - 2-fall 200 t, 1,000 m hook travel
- Subsea Knuckle Crane: 150 t at 15 m, max. 3,000 m Water Depth, AHC

PIPELAY EQUIPMENT

- Type: combined pipelay tower for reel lay and flex lay over a moon pool
- Tensioners: 2 x 400 t (rigid) or 2 x 260 t
- Hang-off module: 900 t
- Pipe storage: 8 x 1,200 t reels for rigid pipe (4 onboard - 4 ashore)
- 2 x 1,250 t under-deck carousels for flexible pipe
- A&R system: 2 x 600 t traction winches single or tandem use through moonpool single through STBD AHC Fairlead (removable)
- Steel wire rope capacity: 2 x 4,500 m

ROVs

- 2 x Schilling HD work class systems, 150 HP, launchable from ROV hangars with dedicated moon pools
- LARS: 2 x launch and recovery systems inside the ROV hangars, water depth 4,000 m

HELIDECK

- Dimensions: 27 m x 27 m, (Sikorsky S-92/S-61N)

* These specifications are intended for general reference purposes only, and may vary according to the contract situation and customer needs.

With its multi-lay system, superior manoeuvrability, DP 3 System and Ice Class notation, the Saipem Constellation is the latest addition to Saipem's fleet of world-class pipelay and heavy lift vessels. It is suitable for deep to ultra-deep water field development projects worldwide and is designed to deliver complex projects safely and efficiently.

DID YOU KNOW?

THE SAIPEM CONSTELLATION BOASTS A 800 T MULTI-LAY SYSTEM FOR RIGID/FLEXIBLE PIPELAY WITH HEAVY IN-LINE SUBSEA STRUCTURE HANDLING SYSTEM AS WELL AS A 3,000 T MAST CRANE FOR HEAVY LIFT OPERATIONS