

# CASTORO SEI

SEMI-SUBMERSIBLE  
PIPELAY VESSEL



# CASTORO SEI

## SEMI-SUBMERSIBLE PIPELAY VESSEL

### WORKABILITY

SEMI-SUBMERSIBLE HULL  
EXTENDED WORKING WINDOWS

#### TECHNICAL SPECIFICATIONS

##### DIMENSIONS

- Length overall (excluding ramps): 152 m
- Breadth overall: 70.5 m
- Depth to main deck: 29.8 m
- Transit draft: 9.5 m
- Operating draft (typical): 13 m
- Survival draft: 12.5 m
- Dedicated pipe storage space: 1,195 m<sup>2</sup>
- Additional deck space: 1,525 m<sup>2</sup>
- Deck load: 3,600 t

##### PROPULSION / DP

- 4 x 37 t azimuthal thrusters
- 12 x 25 t anchors
- 12 x 124 t anchor winches
- 3,000 m anchor wire on each winch of 76 mm

##### POWER GENERATION

- 6 x main generators: 20.5 MW total
- Emergency generator: 800 kW

##### ACCOMMODATIONS

- Total: 347 persons
- Client offices
- Conference rooms
- Hospital
- Gymnasium
- Galley mess room
- Coffee bar
- Cinema
- Recreation rooms
- Satellite television

### CAPABILITY

PIPELAY AND DOUBLE JOINT  
FABRICATION FACILITIES

##### PIPELAY EQUIPMENT

- 2 x rotating gantry cranes 134 t capacity
- Longitudinal conveyor, gantry transfer conveyors, line-up station
- 3 x 130 t pipe tensioners
- Fixed ramp, articulated ramp, mini ramp extension
- Beveling stations
- Double jointing system
- Welding stations utilising a semi automatic system
- X-ray or AUT equipped NDT stations
- Field joint coating system
- A&R winch: 400 t
- Piggyback lay welding line facility
- Dual-lay welding line and ramp

##### AWTI EQUIPMENT

- 6 x tie-in davit cranes 100 t each and tie-in platform located on port side of the vessel

##### BUNKER CAPACITY

- Ballast capacity: 11,518 m<sup>3</sup>
- Lube oil capacity: 138 m<sup>3</sup>
- Fuel oil capacity: 3,123 m<sup>3</sup>
- Potable water capacity: 1,000 m<sup>3</sup>
- Fresh water generators: 180 t/day

### FACILITIES

UPGRADED LIVING QUARTERS  
PROVIDING EXCELLENT COMFORT  
TO CREW MEMBERS

##### ROVs

- 2 x Innovator work class ROVs c/w fully operating systems
- LARS: 2 x launch and recovery systems located on port side bow & starboard side bow of the vessel

##### HELIDECK

- Suitable for helicopters up to and including the Sikorsky S61N type

The Castoro Sei provides a safe, reliable and stable operating platform capable of laying subsea pipelines up to 60 inches in diameter, with additional facilities for offshore construction works and flotel capability.

## DID YOU KNOW?

OPTIONAL PIGGYBACK  
AND DUAL-LAY CONFIGURATIONS  
MEAN THAT THE CASTORO SEI  
CAN INSTALL COMPLEX  
INFIELD PIPELINE SYSTEMS  
IN ADDITION TO MAJOR  
TRUNKLINE SYSTEMS