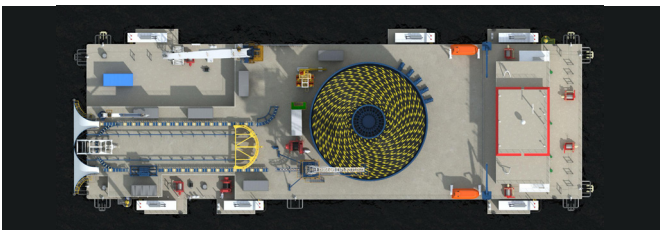


DP2 CABLE LAYING BARGE

# GL2030



Cable Laying Barge GL2030 is one of the most technically well proven cable laying barge.

She is equipped with a Dynamic Positioning System(DP2) with stern deck working to meet the multi-purpose offshore wind farm & construction works, especially for the submarine cable installation area, and Inspection ROV with TMS, 50/30ton Anchor winch systems, and has a cable stowage turntable capacity up to 7,000ton with 4MT Tensioner.

## DP2 CABLE LAYING BARGE

# GL2030

### Specification

Type of vessel	Cable Laying Barge
Classification	Bureau Veritas (BV) I ✕ Hull ✕ MachBarge - Non Propelled, Special service (Cable Laying), Dynapos AM/AT R (DP2)
Ship name	GL 2030
Owner	LS marine solution
Flag	Republic of Korea
Port of registry	Busan, Korea
Year of built	2010. 07. 05. / Songkang Shipyard
Year of conversion	2022. 04. 09(Past Conversion)

### Principal Dimensions

Size (L x B x D)	111.5m x 36.0m x 5.8m
Gross tonnage	9,003.39ton
Deadweight	9,813.07ton
Net tonnage	20,701.02ton
Displacement	15,717.00ton
Max. draft	4.39m (Summer)
Freeboard	1.43m (Summer)

### Deck Area

Work deck space	Raised Deck 59m(L) x 36m(B) = 2,124m <sup>2</sup> Mezzanine Deck 32.5m(L) x 16.4m(B) = 533m <sup>2</sup>
Deck strength	up to 7.5t/m <sup>2</sup>
Crane	100T@10m / Knuckle Boom Crane / Raised Deck Port Side 20T@8m / Knuckle Boom Crane / Mezzanine Deck Stern Side 2 X 3T@2.6-10M / Provision Crane / Raised Deck P&S Side

### Capacity

Fuel oil	545.32 ton
Fresh water	599.11 ton
Ballast Water	3,971.89 ton

### Accommodations

Accommodations	60 persons
Cabins	1(p) x 8, 2(p) x 20, 4(p) x 3
Public space	Gym 1, Office 2, Medical room 1, Galley 1, Messroom(60p) 1, Laundry 2, Changing 1, Recreaton 1
Life boat	2 x 32 persons
Life rafts	2 x 25 persons

### Dynamic Postioning System

DP System	GE DPS-21 (DP2)
Position Reference	GNSS, USBL, CYSCAN

### Thrusters

Type	360° Steering, Z-drive unit Deck monunted azimuth thruster
Model	Thruster, ZF AT 5111 DM-FP Engine, Cummins KTA38-M2
Rate	825kW x 1,800RPM x 6Sets

### Power Generation

Main	2 x 1,200kW, 440V 60Hz
Emergency	1 x 120kW, 440V 60Hz

### Winches / Anchors

Anchor winch	50t x 4set, 30t x 4Sets
Mooring system	8point
Anchor wire	Ø50mm x 1,000m x 4Sets Ø42mm x 1,000m x 4Sets
Anchors	Delta flipper, 6ton x 4EA Delta flipper, 5ton x 4EA