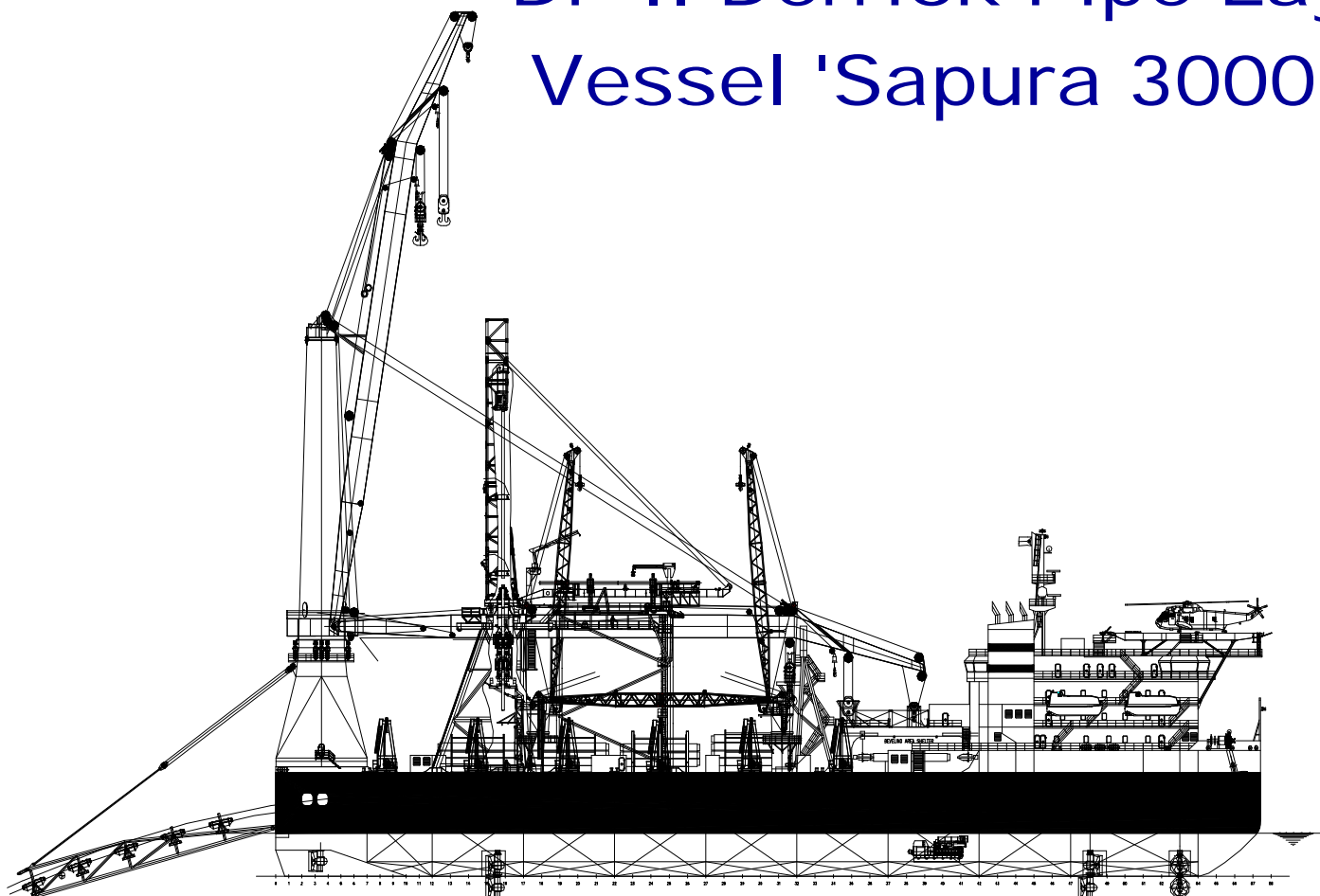




# DP II Derrick Pipe Lay Vessel 'Sapura 3000'



## Principal Dimensions

Length over the hull, excluding stinger	151.20	m
Length between perpendiculars	144.40	m
Breadth moulded	37.80	m
Depth moulded to Work Deck	15.00	m
Depth moulded to Freeboard Deck	9.10	m
Draught moulded.	6.50	m
Minimum operational draught	4.00	m
Clear working deck area	2 000	m <sup>2</sup>

## Lifting Characteristics

The vessel is fitted with one 3 000 short tons Huisman-Itrec Heavy Lift Mast Crane with the following characteristics

• Maximum SWL ( $\pm 10^\circ$ over stern) at 27 m radius	3 000	short ton
• Maximum SWL (fully revolving) at 31 m radius	2 200	short ton
• Maximum SWL (auxiliary hoist) at 53 m radius	800	short ton
• Maximum SWL (whip hoist) at 91 m radius	200	short ton
• Minimum radius main hoist	15.5	m
• Maximum radius main hoist	72.0	m
• Maximum radius auxiliary hoist	81.0	m
• Maximum radius whip hoist	91.0	m

## Pipelay capabilities

The vessel shall have the following pipelay capabilities:

- Conventional S-lay for shallow water.
- Steep S-lay or J-lay for deepwater and steel catenary riser installation.
- Water depth beyond 2 000 metres, depending on pipe specification.
- Range of pipe diameter between 4" and 60"

**Vuyk Engineering Rotterdam B.V.**  
Naval architects, Marine engineers, Consultants

P.O. Box 1, De Linie 7  
2900 AA Capelle aan den IJssel  
Phone +31 (0)10 450 25 00  
Fax +31 (0)10 458 72 45  
Email [vuyk@vuykrotterdam.com](mailto:vuyk@vuykrotterdam.com)  
Website [www.vuykrotterdam.com](http://www.vuykrotterdam.com)

VER project 04.095

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# DP II Derrick Pipe Lay Vessel 'Sapura 3000'

## Classification

The 'Sapura 3000' is classed by American Bureau of Shipping as a  
✱A1 (E) Pipe Lay / Heavy Lift Vessel ✱AMS ✱DPS-2.

## Machinery

### Propulsion

- |   |          |    |
|---|----------|----|
| * Wärtsilä azimuth thrusters at stern   | 2x 2 400 | kW |
| * Wärtsilä retractable azimuth thruster | 5x 2 400 | kW |

- |  |          |    |
|--|----------|----|
| Wärtsilä type 8L32 diesel generator sets | 6x 4 000 | kW |
| Emergency generator set                  | 1x 4 000 | kW |

## Accommodation

In a separate accommodation block at the foreship, the vessel is able to accommodate up to 330 persons.  
All cabins have an integrated wet space.

## Helideck

On top of the accommodation deckhouse, a helicopter deck suitable for the large size Sikorsky S61-N helicopters, is situated .

## VER scope of work

The design of the derrick pipe lay vessel 'Sapura 3000' was commissioned by the Sembawang - Huisman Consortium to Sea of Solutions. VER was contracted for a basic design package, to be made in close cooperation with the other parties.

'Sapura 3000' while outfitting



Testing of the Huisman-Itrec Heavy Lift Mast Crane



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Naval architects, Marine engineers, Consultants

P.O. Box 1, De Linie 7  
2900 AA Capelle aan den IJssel  
Phone +31 (0)10 450 25 00  
Fax +31 (0)10 458 72 45  
Email [vuyk@vuykrotterdam.com](mailto:vuyk@vuykrotterdam.com)  
Website [www.vuykrotterdam.com](http://www.vuykrotterdam.com)

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