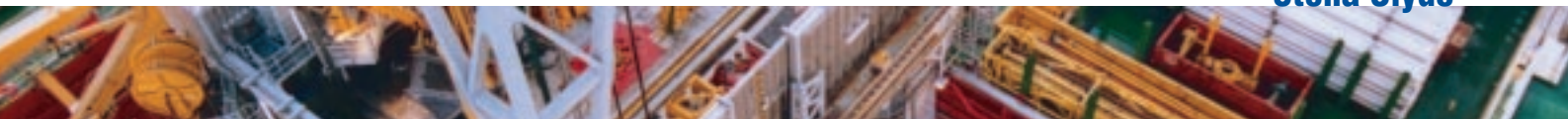
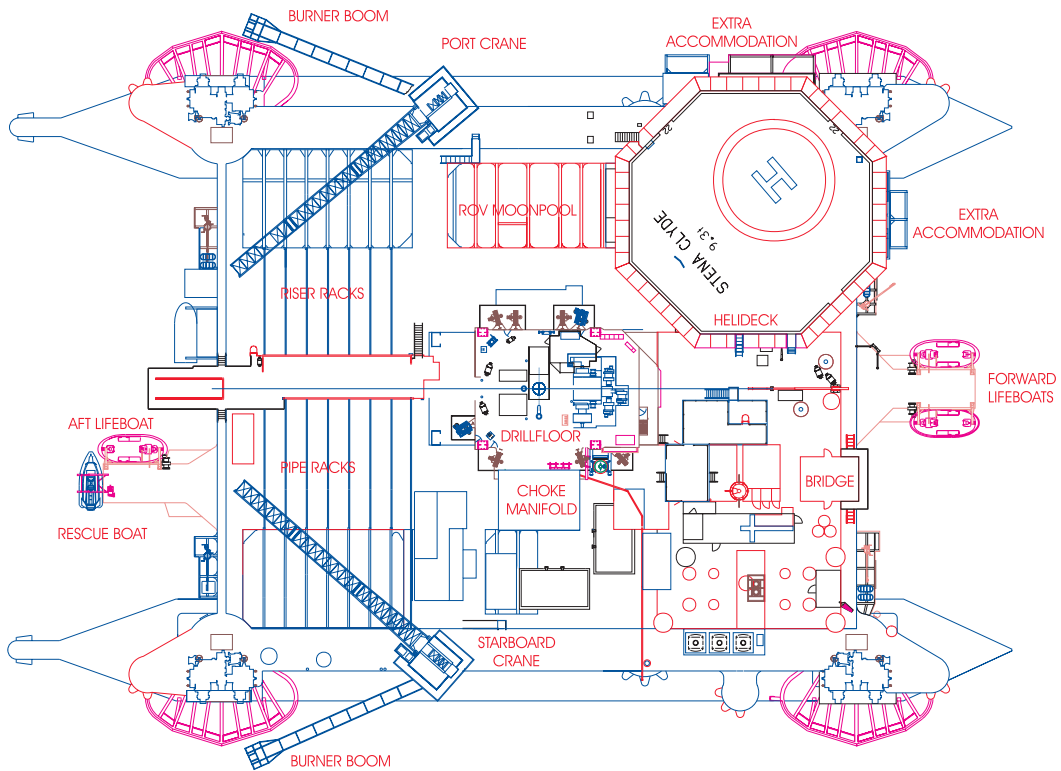




# Stena Clyde



## GENERAL DESCRIPTION

STENA CLYDE is a self-propelled semi-submersible, twin pontoon, column stabilised drilling unit, Aker H3 design.

The vessel has been modified with an additional 6 stability columns to provide adequate operating deck load for operations in 500m (1640ft) water depths. The Stena Clyde has a SBOP capability for a water depth of 5,000ft. The unit has an excellent operational record.

## CONSTRUCTION

The rig was built in the Rauma Repola shipyard in Mäntyluoto, Finland in 1976.

## PRINCIPAL CHARACTERISTICS

Length Overall	108.2m	(355 ft)
Width Overall	67.4m	(221 ft)
Keel to main deck	36.6m	(120 ft)
Pontoon Length	108.2m	(355 ft)
Pontoon Width	11.0m	(36 ft)
Pontoon Depth	6.7m	(22 ft)
Corner Columns (4)	7.9m	(26 ft)
Intermediate Columns (4)	5.8m	(19 ft)
Aux Columns (6 off)	4.0m	(13.2 ft)
Main Deck Length	68.5m	(224.7ft)
Main Deck Breadth	56.4 m	(185 ft)

## Draft

Transit	9.4m
Operating	21.3m
Survival	16.7m

## Displacement

Transit	15,593 tonnes
Survival	19,547 tonnes
Operating	21,478 tonnes

## Deckloads with Columns 50% Full

Survival	3,050 tonnes
Operating	3,150 tonnes

## CLASSIFICATION

Det Norske Veritas Class \*1A1 Column Stabilised Unit  
Department of Trade & Industry Certificate of British Registry

## ACCOMMODATION

108	Man Accommodation
24	Two-man Cabins
15	Four Man Cabins
1	Operators Office
3	Contractors
2	Recreation Room/Cinema
1	Galley/ Mess Room
1	Hospital

## STORAGE CAPACITIES

Drill Water	1170 Tonnes
Potable Water	1167 Tonnes
Fuel Oil	1230 M <sup>3</sup>
Liquid Mud Pits	2879 bbls
Outside Pits	980 bbls
Base Oil	331 M <sup>3</sup>
Sack Storage	3800 sacks/ 230 Tonnes
Bulk Storage	
Barites	468 Tonnes or
Bentonite	200 Tonnes
Cement	320 Tonnes

## HEAVE COMPENSATION

Hydralift Crown Mounted 600,000 lbs. capacity 25ft stroke  
10 x 80K NL Shaffer, Rucker Tensioners 50ft  
line travel.  
4 x guidelines, 2 x Podline tensioners. 40 ft. travel, 16,000 lbs capacity  
each.

## CRANES

2 x National OS435 diesel hydraulic with 120ft. booms.  
Capacity: Main Block 45 ton  
Whip Line 7.2 ton

## POWER SUPPLY

4 x Ruston-Paxman 12-RK3-CZ (2640 HP each)  
GEC Alternators type Ak 1840 KW (2300 kVA)

## PROPULSION

2 x 1700 HP Motors in each pontoon driving fixed pitch propeller running  
in a steerable kort nozzle.

## MOORING SYSTEM

4 Double Pusnes type 75-EA fitted with hydraulic disc and band brakes.  
8 Vicinay LWT 30,000 lb. anchors.  
8 Anchor chains 3" ORQ, approx 4000 ft each  
Chain chaser system fitted

## DRILLING EQUIPMENT

<b>Derrick</b>	Height: 160 ft Base: 40 ft x 40 ft Load Capacity: 1.2 million lbs.
<b>Travelling Block</b>	National 650 ton 6 x 60" Sheaves
<b>Rotary/Top Drive</b>	<b>Rotary</b> - National 49 1/2" opening rotary table independent driven <b>Top Drive</b> - Maritime Hydraulics DDM-500 DC 2 Speed
<b>Drawworks</b>	3000 HP National 1625 DE driven by 3 x 940 HP motors. Elmagco brake and Crown-O-Matic.
<b>Mud Pumps</b>	3 x National 12P - 160 1600 HP
<b>Tubulars</b>	15000 ft. 5" S-135 Range 2 drillpipe 19.5 lbs/ft. 24 Jts. 5" heavy weight drill-pipe Range 2 6 Jts. 9 1/2" OD 31' spiral grooved drill collar 24 Jts. 8 1/2" OD 31' spiral grooved drill collar 24 Jts. 6 1/2" OD 31' spiral grooved drill collar
<b>Diverter</b>	Regan KFDS diverter 16" flowline and 12" overboard lines
<b>BOP Stack</b>	Cameron UII 18 3/4 15,000 WP H <sub>2</sub> S Service 2 x 15,000 WP Double Ram 2 x 10,000 WP Annulars
<b>BOP/Xmas Tree Handling</b>	1 BOP transporter 230 ton SWL 1 BOP crane (2 x 50T hooks) BOP guidance system through moonpool Xmas Tree Skidding System
<b>Riser</b>	26 x 65 ft. Joints Cameron 'RF' 15,000 psi WP Choke & Kill Lines with Booster Line



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[www.stena-drilling.com](http://www.stena-drilling.com)