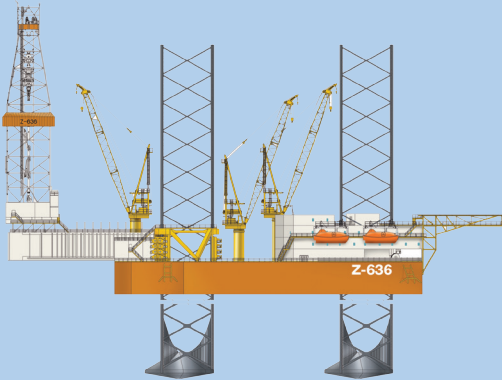
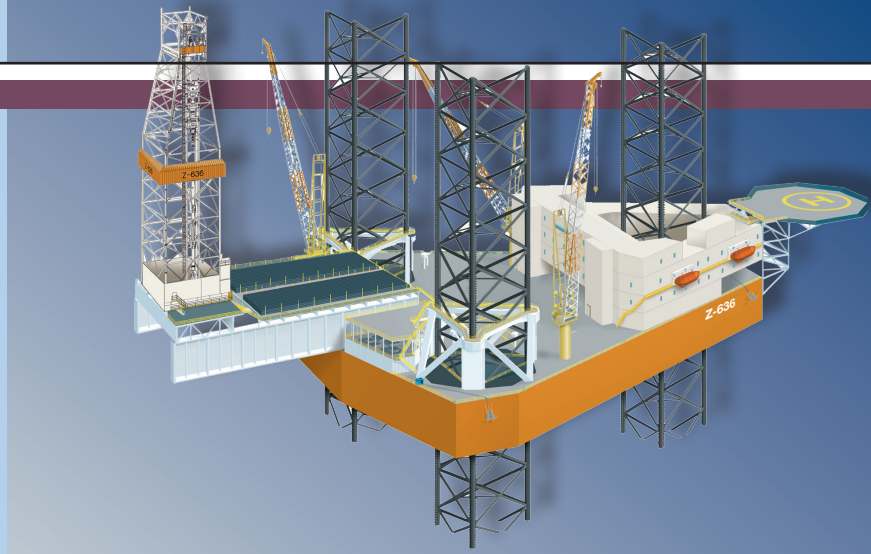


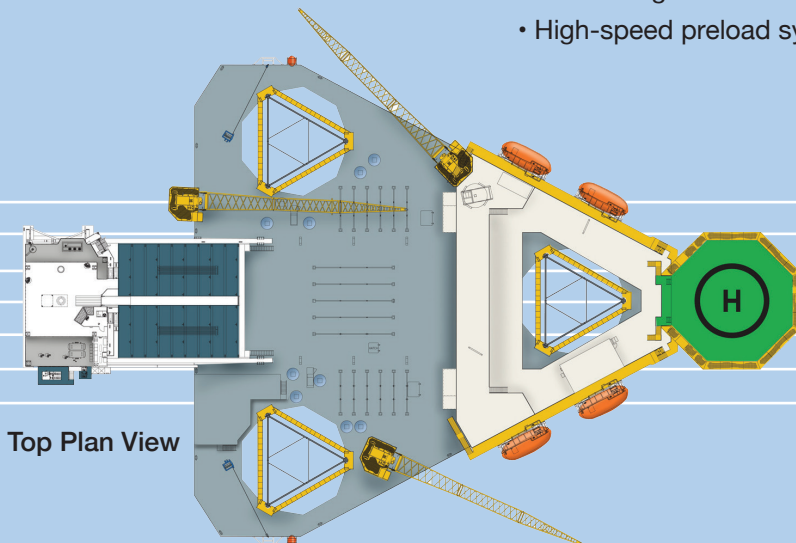
# Z-636

500 Ft. Water Depth (152.4m)

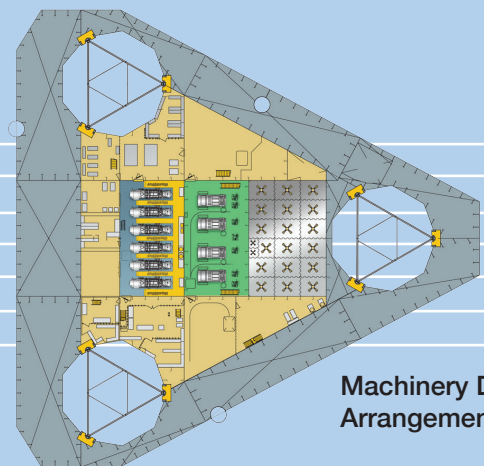


## Zentech Z-636 Jackup Drilling Rig

- Extended reach, high-capacity cantilever rig, rated for 3,500 Kips combined drilling load (1,587.3mt).
- Operational variable deck load 18,000 Kips (8,163mt).
- 9,000 barrel active/reserve mud pits (1,431m<sup>3</sup>) configured for dual fluid operations.
- Four mud pumps, each 2,200 HP (1,641 KW).
- Drill floor/cantilever equipped for mechanized pipe racking, configured for easy upgrade to off-line stand building and hands-free pipe handling from pipe rack to well center.
- Living Quarters for 150-plus, with up to 11 office/conference/safety training/helicopter waiting rooms; configured to suit client needs.
- Very large deck area to enable multiple operations offshore.
- Large under deck rooms for extensive storage capacity.
- Utilities and drains configured for Zero Discharge.
- Base design for closed loop or air cooling for all equipment.
- High-speed preload system for minimized mobilization time.

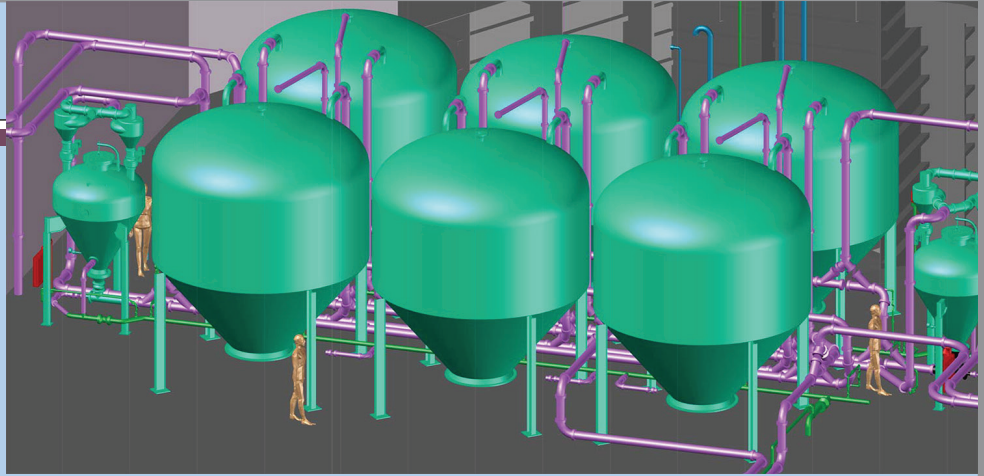


Top Plan View



Machinery Deck Arrangement

# Z-636



3D model of main deck P-Tanks.

## HULL

|                          |         |       |
|--------------------------|---------|-------|
| Hull Length              | 287 Ft. | 87.5m |
| Hull Breadth             | 284 Ft. | 86.6m |
| Hull Depth               | 30 Ft.  | 9.2m  |
| Transit Draft            | 16 Ft.  | 4.7m  |
| Transverse Leg Centers   | 192 Ft. | 58.6m |
| Longitudinal Leg Centers | 167 Ft. | 51.0m |

## LEGS

Triangular, open truss X-braced Legs

|  |                   |                       |
|--|-------------------|-----------------------|
| 3 Leg Configuration, Length              | 636 Ft.           | 193.9m                |
| Spud Can Equivalent Diameter             | 61 Ft. 9 In.      | 18.8m                 |
| Spud Can Maximum Bottom Bearing Pressure | 8.39 Kips/Sq. Ft. | 41.0mt/m <sup>2</sup> |

## JACKING AND FIXATION SYSTEMS

Jacking: 1,000 Kips per pinion (45.4mt)

Fixation: Zenlock™ System (Patented)

## STORAGE CAPACITIES

|                      |                |                      |
|----------------------|----------------|----------------------|
| Fuel Oil             | 6,921 bbls     | 1,100m <sup>3</sup>  |
| Potable Water        | 3,658 bbls     | 582m <sup>3</sup>    |
| Drill Water          | 34,124 bbls    | 5,426m <sup>3</sup>  |
| Preload              | 117,604 bbls   | 18,699m <sup>3</sup> |
| Active Mud Tanks     | 9,000 bbls     | 1,431m <sup>3</sup>  |
| Mud Treatment Tanks  | 812 bbls       | 129m <sup>3</sup>    |
| Brine                | 700 bbls       | 111m <sup>3</sup>    |
| Base Oil             | 700 bbls       | 111m <sup>3</sup>    |
| Bulk Barite/Cement   | 18,000 Cu. Ft. | 508m <sup>3</sup>    |
| Sack Storage         | 5,000 Sacks    |                      |
| Main Deck Pipe Rack  | 500 Kips       | 227mt                |
| Cantilever Pipe Rack | 1,200 Kips     | 544mt                |

## ACCOMMODATIONS

Capacity to 150-Plus Persons

Single, double staterooms and office/conference/training rooms to suit client needs.

## POWER PLANT

|                 |                 |           |   |
|-----------------|-----------------|-----------|---|
| Main Power      | 6 each CatC175  | 2,586 bHP | 1,929 KW each Diesel Driven Generators              |
| Emergency Power | 1 each Cat3512C | 1,478 bHP | 1,103 KW Diesel Driven Generator VFD Control System |

## DRILLING EQUIPMENT

|                              |                             |                         |
|------------------------------|-----------------------------|-------------------------|
| Drilling Depth               | 30,000 Ft.+                 | 9,144m+                 |
| Derrick                      | 40 Ft. by 40 Ft. by 200 Ft. | 12.19m by 12.19m by 61m |
| Operating Variable Deck Load | 18,000 kips                 | 8,163mt                 |
| Hookload                     | 2,000 Kips                  | 907mt                   |
| AC Top Drive                 | 2,000 Kips                  | 907mt                   |
| AC Drawworks                 | 4,500 HP                    | 3,357 kW                |
| Mud Pumps                    | 4 each 2,200 HP             | 1,641 kW                |
| Mud Standpipes               | 7,500 psi                   | 517 bar                 |
| Rotary Table                 | 49.5 in.                    | 1.3m                    |
| BOP                          | 18.75 in., 15,000 psi       | 0.48m, 1,034 bar        |
| Integral diverter            | 49.5 in.                    | 1.3m                    |
| Choke & Kill                 | 15,000 psi                  | 1,034 bar               |

- BOP Handling for 2 Stacks
- BOP Test Stump (Easily upgradeable to include offline Standbuilding and/or hands-free pipe handling from piperack to well center)
- Mechanized Piperacking system
- Enclosed Driller's House
- Automated Control System

## MUD TREATMENT

|   |
|---|
| Dual Fluid Active system                                  |
| 2,400/1,500 GPM Solids Control System (9,085 / 5,678 lpm) |
| Shaker House Located at Starboard Stern                   |
| Permanent Flow Line                                       |
| Space and Utilities for Centrifuges                       |
| Space and Utilities for Cuttings Equipment                |
| Bulk Tank Dust Collection System                          |
| Bulk Transfer/Mud Mixing Control System                   |

## CANTILEVER

|  |                          |         |
|--|--------------------------|---------|
| Longitudinal   | 80 Ft. Clear Aft         | 24.4m   |
| Transverse   | ±20 Ft. Port / Starboard | ± 6.1m  |
| Combined Load Capacity                                   | 3,500 Kips               | 1,587mt |
| All Cantilever Utilities Routed in Permanent Drag Chains |                          |         |

## HELIDECK

|            |                   |  |
|------------|-------------------|--|
| Helicopter | S61N, S92         |  |
| Deck type  | Octagon, Aluminum |  |

## DECK EQUIPMENT

|                             |                         |                |
|-----------------------------|-------------------------|----------------|
| 3 Pedestal Cranes           |                         |                |
| All Cranes                  | 120 Ft. Boom Length     | 36.6m          |
| All Cranes Rated            | >50 ST at 60 Ft. Radius | >45mt at 15.2m |
| Dedicated Preload Pump      | 6,000 gpm               | 22,712 lpm     |
| 2 Preload Pumps             | 4,500 gpm               | 17,034 lpm     |
| 2 Sea Water / Preload Pumps | 2,200 gpm               | 8,328 lpm      |

## FULL ZERO DISCHARGE CAPABILITY

- Oil-Water Separator for Drains and Bilge
- All Drains Routable to Collection / Storage
- Base design for closed loop or air cooling for all equipment.

## SERVICE TEMPERATURES

|                                   |                 |                  |
|-----------------------------------|-----------------|------------------|
| For Steel: Service Temperature at | -4° F           | -20° C           |
| HVAC Ambient Range                | -4° F to 134° F | -20° C to +53° C |

## CLASSIFICATION, REGULATIONS

Latest ABS or DNV MODU Code