



# Gladiator Z-250



- **Self-propelled, DP11**
- **Water depths from 15 to 250 ft.**
- **Multi-purpose for well intervention, construction, field development, production process, pipe lay and more**
- **Optional “Rig Kit” fully self-contained, self installing/removal, cantilever set-off**

**General Configuration** The Gladiator Z-250 is a self-propelled, jackup, multi-purpose service vessel that is rated for water depths ranging from 250 feet to 15 feet. It is an independent, four-legged jackup that is self-propelled via four fully-azimuthing propulsion units which are capable of DP11 configuration. The vessel hull is designed and outfitted to readily accept a unique, modularized and cantileverable “rig kit” for performing conventional well workover and drilling operations. The rig kit can be operated as a conventional cantilever (up to 45 feet) in complete skid off mode or in self-contained set off mode.

**Design** The vessel has been designed by Zentech Engineering of Houston, Texas, in collaboration with Spartan Offshore Drilling, and will be constructed by States Services of Ingleside, Texas. It has been designed to meet or exceed the requirements of the American Bureau of Shipping A-1 Self-elevating, Mobile Offshore Drilling Unit, the USCG and the IMO.

**Dimensions** Legs (four): triangular truss, 24' wide panels.....321'  
 Hull dimensions .....224' x 144' x 20'  
 Longitudinal leg centers ..... 112'  
 Transverse leg centers ..... 112'  
 Deck space ..... 17,000 sq'

**Design Operating Conditions** Maximum water depth (good for Southern or North Sea) .....250'  
 Minimum water depth .....15'

**Power Generation and Distribution**

- Four (4) each Caterpillar 3516 diesel engines each driving a 1250 kW x 600 volt generator
- One (1) 750 kW emergency generator powered by a Caterpillar 3512 diesel engine
- One (1) each 600/480/120 volt distribution panel
- One (1) each 600 volt, 6 bridge SCR with generator controls and synchronization

**Propulsion** Four (4) each, 1,500 HP fully azimuthing propulsion units, capable of being upgraded to DP11 control

**Jacking System** National/B&L or Friede and Goldman, electric rack and pinion, free floating

**Quarters** 100-person air-conditioned quarters complete with galley, mess hall, recreation room, hospital room, bath facilities, change room, laundry and state rooms and office for rig manager and operator's representatives. Additional 400 person capacity via portable modular quarters buildings.

**Heliport** 60' x 60' designed for Sikorsky S-61N loading

**Cranes**

- Two (2) American Aero, OM 650 with 100' boom, rated at 30 tons at 30 feet
- One (1) AmClyde, 300-ton capacity revolving crane which revolves about the port side aft leg (optional)

**Optional Rig Kit** As specified with your contract

**Cantilever Beam Assembly and Loading** Hook and setback. Capable of extending to 45 feet beyond the hull's stern transom. Full hook and setback can be accommodated at 45 feet extension with platform bearing assistance or full skid off.

**Pipe Rack** Integrated into the cantilever assembly, 50' x 52', capable of supporting 500 Kips

**Skid Off Capable** The entire cantilever/drillfloor assembly is designed to skid off the hull to access remote or extra large platform well bays

**Drillfloor** Capable of set off onto remote platform well bays  
 Skidable transversely 10' either side of center line

**Skidding Systems**

- Cantilever Assembly: Two (2) articulated claw skid shoes each with 14.5" x 36" stroke hydraulic ram rated for 3,500 psi
- Drillfloor Assembly: Two (2) articulated claw skid shoes each with a 10" x 36" stroke hydraulic ram rated for 3,500 psi

**Derrick**

- Vertically-erecting 152-foot free standing triples mast with a static hook load of 500,000 pounds strung on 10 lines (outfitted with TESCO or National/Varco top drive); complete with racking board, stabbing board and belly board
- Stand pipe manifold, 4-1/2" OD (10,000 psi test, 5,000 psi working) with dual stand pipes and rotary hoses
- Rig kits can be provided in capacities up to 1,000 kips

**Z-250** Platform rigs are supplied on a new-build basis, subject to contract term.