



**Rig Name:** Trident IX

**Rig Type:** Jack-up

**Owner name:** Transocean

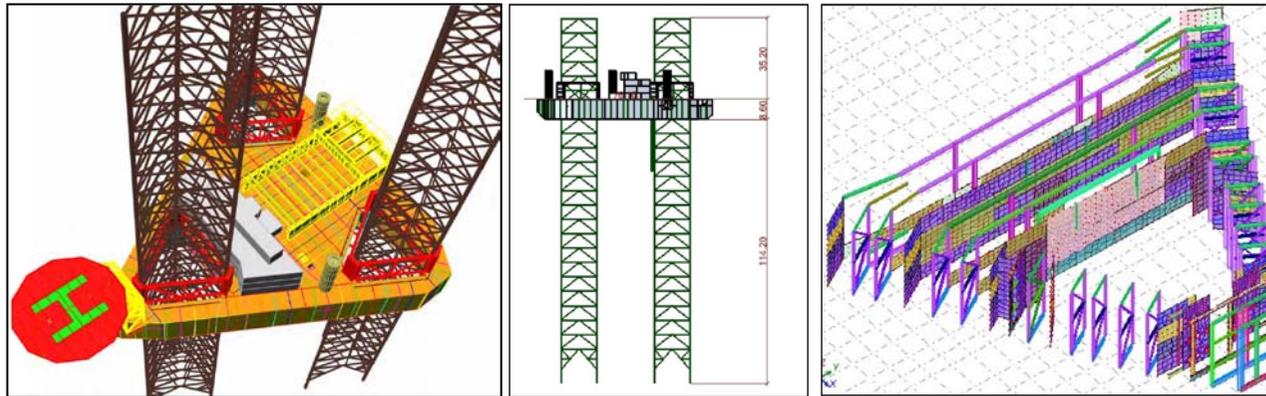
**Classification Society:** ABS

**Pertinent code:** SNAME

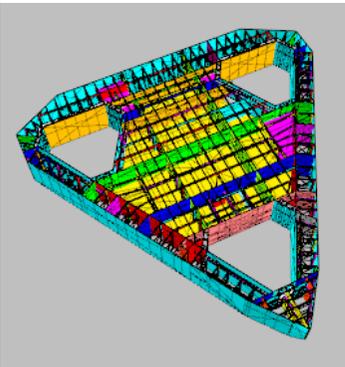
**Code design:** ASD

**Project description:** Jack-up global strength analysis has been prepared to demonstrate that after accounting for wasted areas the jack-up hull is structurally adequate to withstand the maximum survival environmental criteria noted in the Operating Manual.

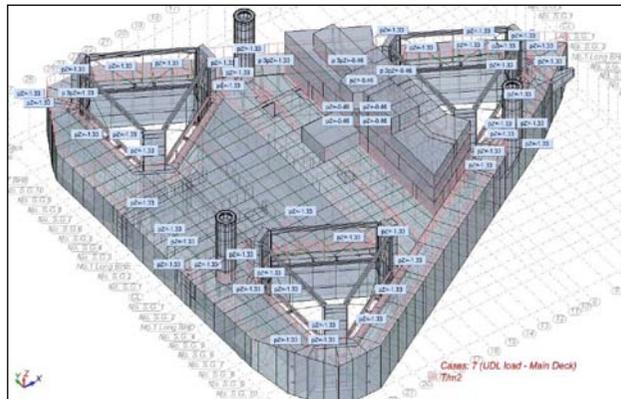
### FEA Model



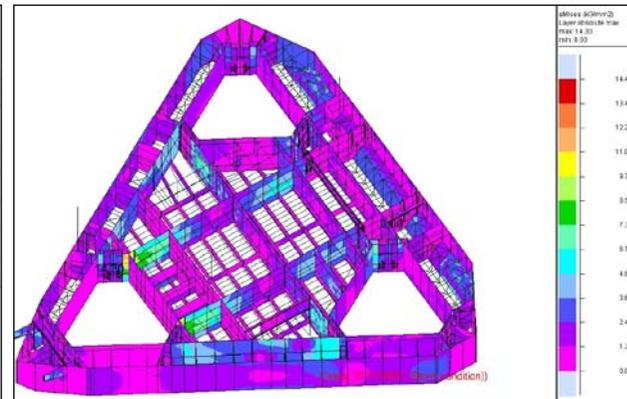
*Click below to see 3D model!*



### Loads



### Stress Plot



### **R.E. scope of work**

was preparing stress analysis of hull structure for survival storm condition and compare results between as-built plate thicknesses and wasted plate thicknesses (15 % less).

The main plating (main deck, bottom deck, side shell, internal BHD, stiffeners and beams) was also checked per applicable ABS minimum scantling requirements.

### **Engagement Condition**

Upload your problem to us and give us relevant input to allow us to resolve your problem, we will need:

1. As built of structure to create 3D FEA model
2. Static and environmental loads.
3. Wasted area of structural elements.

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