**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.

**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.

**Key word:** Trident IX, Transocean, Jack-up, wasted, FEA analysis