**Project description:** Structural assessment for moving Sedco 700 and Sedco 709 in tandem, on board Dockwise’s Blue Marlin Vessel was done for dry tow purpose to repair facility in Far East. Additional assessment was also done to put Sedco 709 on repair barge on route to S Africa protected water where the Special Periodical Survey and associated repair was conducted. Operating and storm condition were checked in accordance with owner and warranty surveyor’s 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 of rig.
3. Barge detailed information and stability characteristic.

**Results**

- Pontoon Structure Stress Plot
- Pontoon Deflection Plot
- Pontoon Overhang Carrier Vessel
- Rig Structure

**FEA Model**

- Pontoon Structure
- Pontoon Overhang Carrier Vessel
- Rig Structure

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**Key word:** Sedco 709 Rig Engineering, dry tow, semi sitting on repair barge, pontoon strength check, hull blocking assessment, global strength check during tow and storm condition while on transportation vessel, barge or repair barge.