

Structure Engineering Dept provides professional engineering services of Floater structural design, such as FPSO, TLP, SPAR, SEMI and JACK-UP, from concept design to detailed engineering analysis for deep water offshore oil & gas field development. COTEC delivers high standard products in an efficient manner.

SCOPE OF SERVICES

- ❖ Scantling Design
- ❖ Global Strength Analysis
- ❖ Local Strength Analysis
- ❖ Buckling Check
- ❖ In-place and Transport Fatigue Analysis
- ❖ Transportation Strength Analysis
- ❖ Modular Construction Strength Analysis

SOFTWARE TOOLS

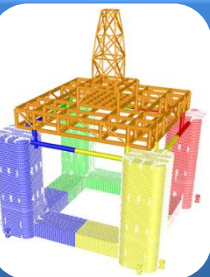
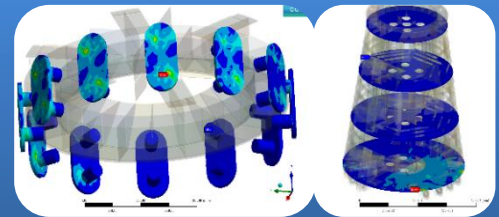
- ❖ ANSYS
- ❖ SACS
- ❖ INVENTOR
- ❖ Mathcad
- ❖ AutoCAD

REPRESENTATIVE PROJECTS



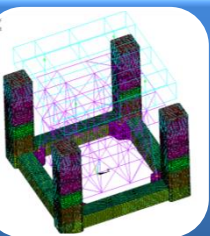
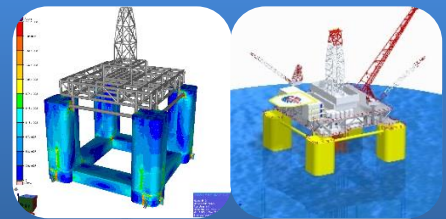
The FPSO Turret-Buoy Design of Enping 24-2 Oil Field

- In-place Strength Analysis
- Buckling Analysis
- Buoy free floating Strength Analysis
- Turret-buoy connected to FPSO Strength Analysis
- Disconnectable Strength Analysis



Liu Hua 11-1 and 16-2 TLP Optimization Studies

- Scantling Design for TLP Hull
- Design Wave Selection
- In-place Strength Analysis
- Local Strength Analysis
- Buckling Analysis



Installation Design of PY 35-1/2 Field

- Scantling Design for SEMI Hull
- Design Wave Selection
- In-place Analysis
- Fatigue Analysis

