

Pipeline Engineering Dept provides professional engineering services of pipeline designs from concept to detailed & installation engineering for offshore oil & gas field development in compliance with class and Industry Standards, such as ISO, DNV, ABS, API, ASME, ANSI, etc. COTEC delivers high standard products in an efficient manner.

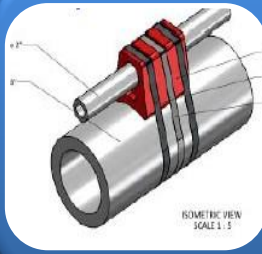
SCOPE OF SERVICES

- ❖ On-bottom stability analysis
- ❖ In-place analysis
- ❖ Free Span analysis
- ❖ Installation analysis
- ❖ Buckling analysis
- ❖ Crossing analysis
- ❖ Riser(rigid) system design
- ❖ Fatigue analysis

SOFTWARE TOOLS

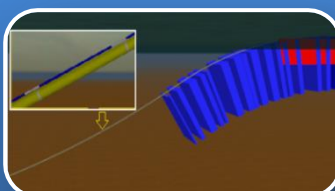

- ❖ Orcaflex
- ❖ Ansys
- ❖ Offpipe
- ❖ Abaqus
- ❖ Autopipe
- ❖ Mathcad
- ❖ AutoCAD


REPRESENTATIVE PROJECTS



Detailed & Installation Design of PBHY Subsea Piggyback Pipeline

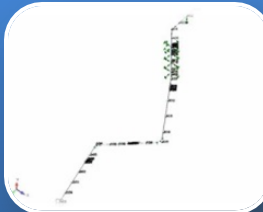

- Detailed pipeline design
- Static & dynamic installation analysis
- In-place analysis
- Fatigue analysis
- Crossing design
- Free span analysis
- Upheaval Buckling analysis
- Anti-rotation design

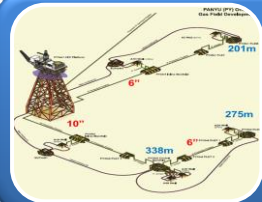





Basic & Detail Design of BZ34-24 Field

- Riser system design
- Route design
- Wall-thickness analysis
- Riser span analysis
- Riser/spool flexibility analysis
- Flange design
- Soil parameter calculation



Installation Design of PY 35-1/2 Field

- Dynamic installation analysis
- Strength check
- Fatigue analysis
- In-line structures installation design

