

MOORING SYSTEMS AND SEA-FASTENING

Recent industry focus on developing fields in harsh operational climates whilst maximizing production mean that the need for comprehensive mooring analysis has never been greater. By leveraging an extensive body of analytical experience, we are able to provide in-depth option assessments to ensure that mooring configurations are optimized for any environmental climates encountered. This gives you the peace of mind that your seakeeping operations will be safe, secure and cost-effective throughout the length of your offshore activities.

Our core mooring analysis capability is underpinned by a thorough knowledge of engineering fundamentals, allowing each analysis package to be backed up and verified by rigorous hand calculations. Our focus on automating routine tasks ensures that all possible environmental loading combinations are thoroughly assessed in order to present you with an extensive analysis report, from which you can make an informed decision regarding your mooring configuration.

We have been responsible for analysing the following mooring and sea-fastening analyses:

- Turret-mooring configurations.
- Spread-mooring configurations.
- Single-anchor leg (SAL) systems.
- Catenary anchor leg mooring (CALM) buoys
- Chain and rope fatigue assessments.
- Anchor assessments, rigging design and in-depth sea-fastening calculations.

By integrating within your project teams, we have developed a thorough understanding of offshore mooring procedures and operations. As such, we are able to assist you in developing offshore seakeeping procedures that will minimize overall project cost and ensure quick, efficient delivery times.

If you would like to discuss a project or need further information, please contact us:

ASIA

80 Raffles Place,
#32-01 UOB Plaza 1,
Singapore 048624

+65 8161 3023

solutions@pdl-group.co.uk

EUROPE

1 Tanners Yard,
Hexham,
Northumberland, NE46 3NY

+44 (0) 1434 609 473

solutions@pdl-group.co.uk

NORTH AMERICA

10777 Westheimer, Suite
1100, Houston,
Texas 77042

+1 832-815-2598

solutions@pdl-group.co.uk
