

## RIGID AND FLEXIBLE RISERS

As the subsea engineering industry moves towards deeper water and harsher operating climates, riser systems are becoming inherently more complex. The ability to accurately predict the in-place response of these components is critical to ensure safe, reliable and cost-effective operations.

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We have established ourselves as industry-leading experts in the analysis and design of both rigid and flexible riser systems. Our demonstrable experience spans the entire project life cycle, from field development studies to decommissioning. As such, we are well-positioned to provide complementary engineering analysis throughout the entire timeline of offshore projects.

Specifically, we are able to provide the following consultancy services:

- Field development studies and concept design.
- Strength, stability and fatigue studies.
- Interference analysis.
- Installation and pull-in analysis.
- Vortex Induced Vibration (VIV) analysis.
- Pipe-in-pipe and towed bundle analysis.
- Detailed analysis and design of a wide range of riser designs – Top tensioned risers (TTRs), steel catenary risers (SCRs), wave and S-type flexibles, free-standing hybrid risers.

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

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