

UMBILICAL ANALYSIS

The safe and efficient performance of subsea umbilicals is paramount to ensuring offshore operations are carried out without interruption.

We have long been considered the “go to” consultancy for subsea umbilical analysis. Working alongside contractors in the UK, Americas and beyond, we have gained a thorough understanding of cable dynamics and have developed innovative methodologies to handle the most difficult of umbilical analyses.

Using a combination of global, local and thermal analysis, we are able to capture the intrinsically complex behaviour of a variety of umbilical cross-sections. We are then able to carry out comprehensive fatigue analyses in accordance with DnV-RP-F401.

Specifically, we can offer the following analysis capabilities:

- Global dynamic analysis
- Installation storyboarding and analysis
- Local and thermal analysis
- Determination of operational envelopes
- Clashing analysis
- Spooling and over-boarding analysis

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

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