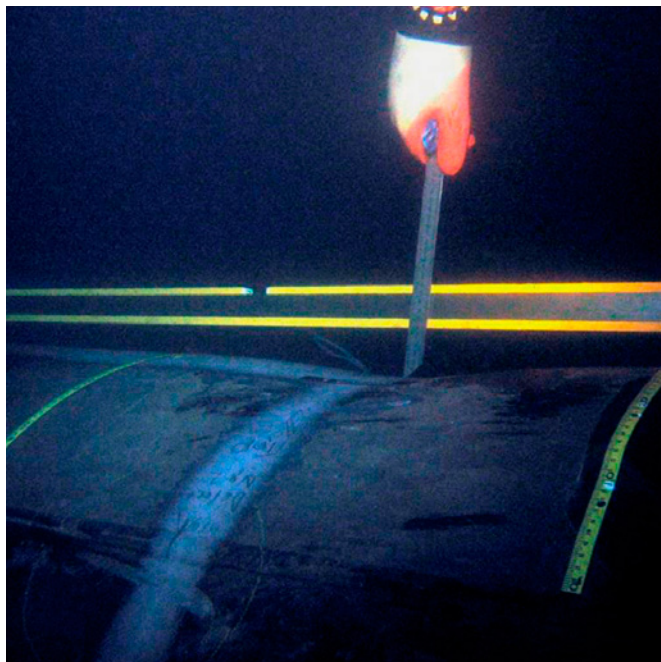
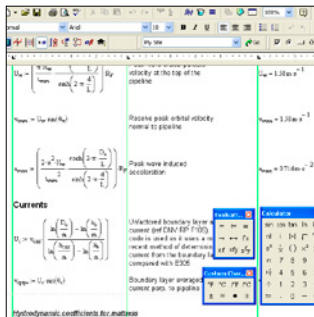


Mathcad

Capability statement



Mathcad is the engineering calculation software used at Jee to perform, document, and share calculations and design work.

Expertise

Our experienced subsea engineers work on a wide variety of offshore pipeline design projects and are ideally suited to offer high-value calculations using Mathcad for subsea applications. Jee's capabilities include not only performing specific calculations for clients, but also writing bespoke software to automate our clients' design work.

We solve varied and complex engineering problems in the field of offshore pipeline engineering using Mathcad and our years of experience. Areas where we have implemented Mathcad sheets include:

- ✦ Foam creep
- ✦ Trawl gear motions and pullover
- ✦ Structural steelwork
- ✦ Stability and span analysis
- ✦ Defect assessment
- ✦ Fatigue and vortex-induced vibration (VIV) response
- ✦ Heat transients in bundles
- ✦ Signal processing
- ✦ Wave theories
- ✦ Clump weight sizing
- ✦ Lateral buckling
- ✦ Denting

Accurate results

Mathcad helps us clearly present calculation methodology and our expertise allows us to use Mathcad to verify and validate our analysis of critical calculations.

Proven track record

- ✦ Chevron 2008 – Outward dent assessment
- ✦ Perenco 2008 – Preparation of Mathcad sheets for a new well detailed design
- ✦ iicorr 2008 – BBL pipeline span and exposure assessment using Mathcad sheets
- ✦ Technip 2005 – Development of pipeline design sheets in Mathcad
- ✦ Technip 2005 – Preparation of Mathcad sheets for pipeline stability analysis

Jee developed excellent Mathcad sheets for PPL Marine which enabled us to deliver quicker responses to meet our customers' requirements.

Tony Yeldrem, Sales & Product Manager, PPL Marine Products

List of related services

- ✦ Finite element analysis (FEA)
- ✦ Computational fluid dynamics (CFD)
- ✦ Orcaflex
- ✦ Riser analysis

For more information

To find out how Jee can help manage and implement your engineering projects, please call us on +44 (0) 1732 371 371 or email info@jee.co.uk.



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