



**Flexcom** is an offshore marine simulator which has underpinned the engineering design on some of the world's most demanding offshore projects. Developed by Wood, the program is designed and maintained by engineers who are immersed in the offshore energy industry.

**Flexcom's** design philosophy is based on the provision of advanced computational techniques to provide confidence in the engineering design, coupled with a user-friendly interface which facilitates optimum productivity. The software uses an industry-proven finite element formulation, incorporating a hybrid beam-column element with fully coupled axial, bending and torque forces.

**Flexcom** is a highly versatile software package, capable of simulating risers, mooring lines, umbilicals, floating bodies, offloading lines, seafloor conduits, installation processes, and renewable energy devices such as wave energy converters and floating offshore wind turbines. With over 30 years of industry experience, **Flexcom** has gone from strength to strength, delivering advanced engineering solutions to all the major operators, contractors, construction companies, manufacturers, and engineering consultants.

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Benefits of using **Flexcom**:

**Supreme confidence in the engineering design**

Flexcom's renowned computational technique is widely acknowledged as best-in-class

**One solution for all your modelling requirements**

Flexcom's versatile nature makes it suitable for use in a variety of scenarios, ranging from FEED studies, detailed engineering design, fatigue life assessment, structural installation and decommissioning

**Quality assurance**

Mathematical equations are fully

**Flexcom.**

For more information contact  
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## Simulation capabilities

- Static, quasi-static, time and frequency domain analysis
- Fatigue life assessment
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