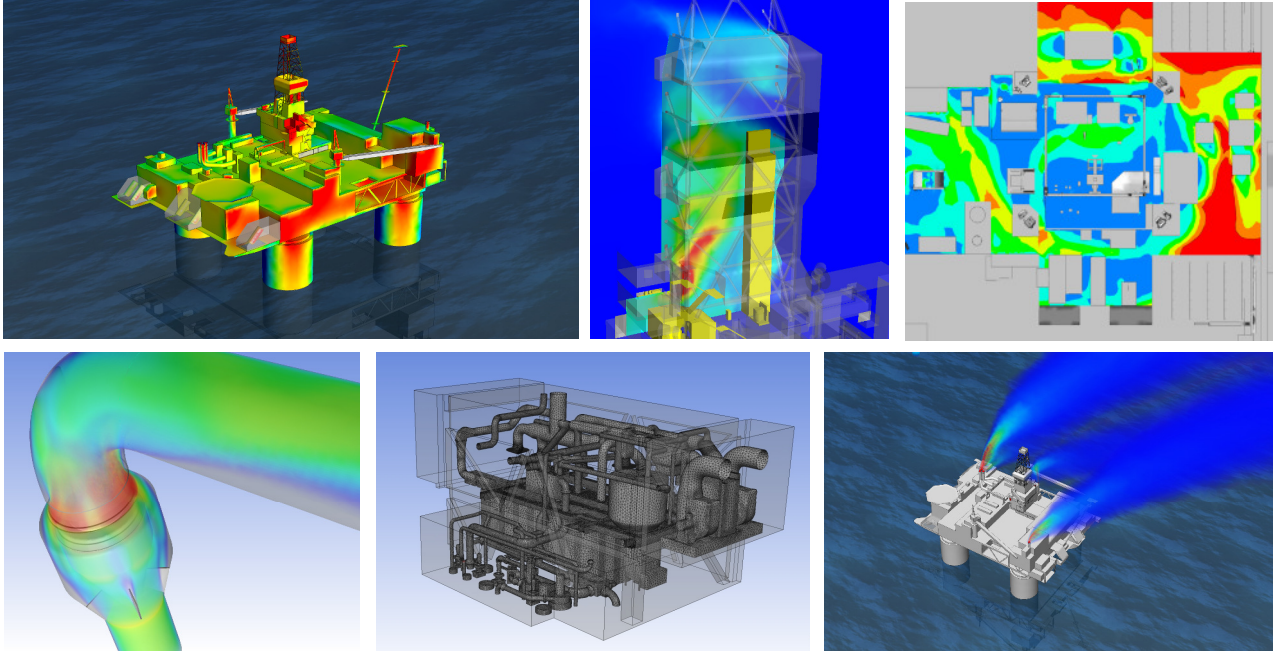


Computational Fluid Dynamics within the oil and gas industry



Norconsult helps the oil and gas industry attain better insight into their fluids related problems.

Norconsult has many years of experience with analysing and solving fluids related problems in the oil and gas industry. With our technical and practical insight into thermodynamics and fluid flow we help our customers shed light on their challenges.

By performing fluid analysis in full 3D it is possible to gain insight into early design that is otherwise difficult to attain. Understanding performance of design and products is potentially saving time and cost downstream of the project.

Examples topside are wind chill analysis, gas dispersion, ventilation studies and fire and explosion studies. Other examples include performance of processing equipment, where judgement of design and many design iterations could be performed already prior to tests. Another example includes wave impact and handling of equipment in the splash zone.

Norconsult uses the software packages ANSYS CFX and ANSYS Fluent (<http://www.ansys.com>), two of the leading industry-standard CFD solutions, for these types of analysis.

► **Examples of our deliveries:**

- *Wind chill analysis*
- *Gas dispersion studies*
- *Fire and explosion studies*
- *Flow performance of processing equipment*
- *Ventilation studies*

► **Contact:**

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