



# Gorm Water Injection

March 2015

## SHIELDING, VORTEX SHEDDING AND WHIRLING ANALYSIS FOR GORM 'A'

The project was carried out by LICENGINEERING A/S in November-December 1987 for Mærsk Olie og Gas AS.

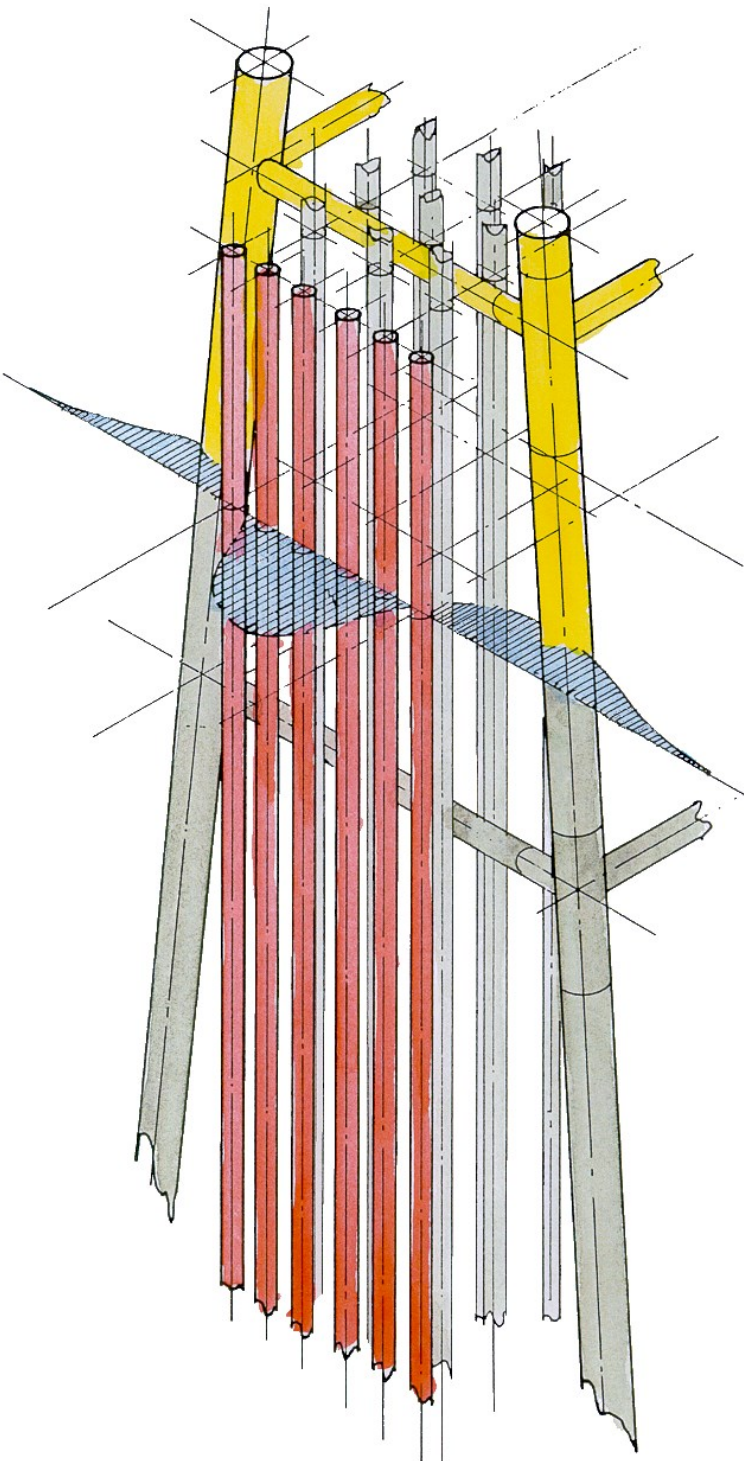
The Gorm 'A' platform is an existing wellhead platform in 40 m water depth approx. 230 km west of Esbjerg in the Danish North Sea Sector.

The report comprised the results of a total shielding analysis on the Gorm 'A' wellhead platform with 6 additional conductors.

Furthermore it included a vortex shedding and whirling analysis for 6 additional conductors.

The method of calculation adopted enabled the installation of the extra conductors to be carried out using only one underwater clamp.

The report conclusions simplified installation of the additional risers and proved through the shielding re-analysis that the existing structure was adequately strong to withstand the increased loading, this in turn gave the client substantial savings.



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