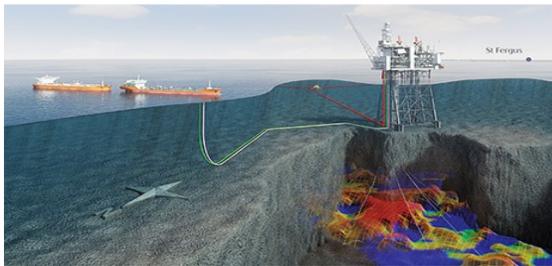


CB&I awards contract for sea fastening design to HMC

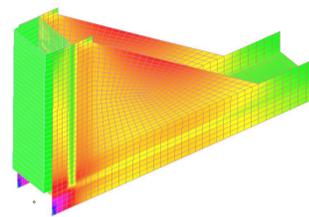
In 2013 HMC discussed heavy transport engineering and design for sea fastening with Chicago Bridge and Iron (CB&I). Our meeting resulted in a contract for the sea fastening design and modules for the Mariner Topside EPC project.

CB&I secured a topside contract for the Mariner Topsides project in the UK North Sea. HMC has been awarded with the contract for detailed engineering design services for their Mariner Topsides project. The project is part of the Mariner oil field development which is operated by Statoil in the UK North Sea. Statoil made the investment decision to develop the Mariner oil field development in the UK North Sea. The project entails investments over USD 7 billion and is the largest new offshore development. HMC will provide the sea fastenings for the modules which will be transported from Korea to the Mariner field.

The installation of the modules will be in 2016. HMC is proud to offer our sea fastening design to CB&I. Offshore installation projects are becoming more and more complex and requirements are becoming stricter with each new project. For more information please



“HMC designs sea fastening modules for CB&I”

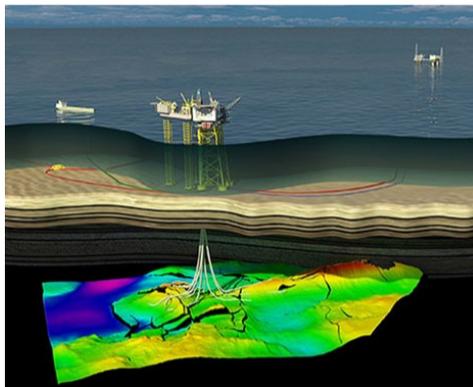


TPI Megaline awards contract motion response calculations to HMC

HMC compiled in concert with TPI Mega Line motion response calculations for the Mega Caravan with a MSF topside. The project is known as Gina Krog.

HMC's experience and knowledge is vital for the development of the safe and efficient work procedures which are very important in these kind of analyses. HMC delivers her know how and is also able to translate the effect of environmental conditions. HMC already did the engineering for several projects of TPI Megaline. Examples are the SafeTrans analyses for the Mega Caravan, Mega Trust and transport analyses for Gorgon Voyages. The MSF Topside will be placed on the deck of the Mega Caravan. The plan is to develop Gina Krog with a platform resting on the seabed, while the wells will be drilled with a mobile jack-up drilling rig. The liquid will be transported via a

tanker. The Dagny field was renamed Gina Krog on 8 March 2013. For more information please contact our office at info@hmc.nl



“HMC offers detailed engineering for TPI Megaline”



HMC started a new office in Japan

HMC operates throughout the world from its head office in The Netherlands. A new and third office in Japan is opened to support our customers directly in Asia.

HMC's offices enable our customers to contact HMC within their own region and speak to an agent in their native language. HMC's headquarters is based in Almere, The Netherlands and manages its global activities from her main office. Our other two offices are located at Busan, South Korea and at Kobe in Japan. We think it is very important to have a direct contact and because off the marine activities in Asia, Japan is of great significance. We are always look for opportunities to expand our network. If you want more information you can contact our office at info@hmc.nl Our new office in Japan can be contacted through:

HMC Japan
4C-06, Kobe Fashion Mart
6-9, Koyochonaka,
Higashinadaku, Kobe-city,
Hyogo-pref. 658-0032, Japan
Tel.: + 81 78 904 8505
E-mail: itcshimizu@nifty.com



“HMC's office in Japan is our direct contact in Kobe, Japan”



HMC expands their services with CFD simulations

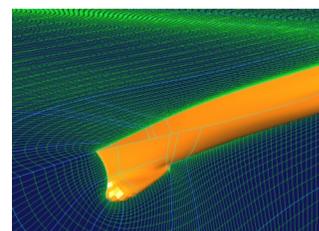
Nowadays engineering requires detailed knowledge of forces, flow directions and velocities when designing vessels. In the ship building industry, this is mostly done in towing tanks, wind tunnel experiments and by the long experience of skilled engineers.

Hydrodynamic forces during ship motions contain non-linearity and very complex unsteady contributions. In the last years Computational Fluid Dynamic (CFD) simulations are developed to a stage, where they contribute significantly to the fine-tuning of the models. HMC has expanded their services with these kind of simulations. CFD is a branch of fluid mechanics that uses numerical methods and algorithms to solve and analyze problems that involve fluid flows. Computers are used to perform the calculations required to simulate the interaction of liquids and gases with surfaces defined by boundary conditions. With high-speed supercomputers, better solutions can be achieved. Compared to the popular rule of thumb, CFD methods are usually more precise. HMC uses her long time experience in engineering and extensive know-how

together with the best combination of CFD to provide customers with the best design. The growing complexity of modern ships makes the use of CFD increasingly attractive especially in the design phase. Modern hull forms can be optimized through the impact of CFD with simulation based design. For more information please contact our office at info@hmc.nl.



“CFD: the latest computers achieve better solutions”



“HMC: Passion for Engineering”

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