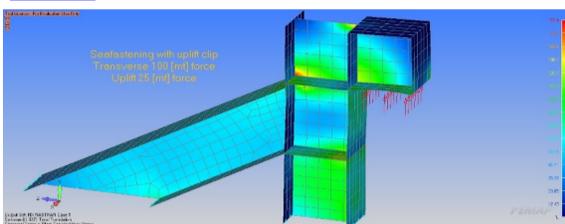


HMC's finite elements method studies with FEMAP

A part of transport engineering where HMC specialized itself in is Finite Element Method studies. HMC is one of a very limited amount of companies who has a broad experience with FEMAP software for finite element analyses. HMC's Marine Services department has specialists trained to perform these studies on complicated objects.

FEMAP (Finite Element Modelling And Post processing) is an engineering analysis program. The product simulates applications includes basic strength analysis, frequency and transient dynamic simulation, system-level performance evaluation and advanced response, fluid flow and multi-physics engineering analysis for simulation of functional performances. We use FEMAP as an engineering tool to model complex products, systems and processes. Our finite elements studies have been performed for a broad range of purposes. As an example we did a strength study of a cable trunk through the tanks of a semi submersible heavy

transport vessel. You can find pictures of this project via our Picture Book (in the right column). Other examples are strength calculations for sea-fastening of barges, hulls and aboard a semi submersible heavy transport vessel. If you have any questions about the possibilities of FEMAP, please [contact](#) our office.



2015, August
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"HMC's FEMAP specialists perform studies on complicated objects"



ULSTEIN®

"We are proud to offer our transport engineering to Ulstein Group"

Ulstein Idea and HMC are very positive about future collaboration

Ulstein Idea Equipment Solutions (UIES) and HMC have agreed to an engineering collaboration with the scope of work containing dynamic calculations and detailing work of an in-house developed rock transporting system, currently in engineering phase. We are very proud to be invited to supply our engineering services to UIES and we are looking forward to successful results.

UIES is part of Ulstein Group, the world market leader in the design and building of complex offshore construction vessels. The company has a vast experience in designing complex solutions for the offshore oil and gas and the offshore wind industries.

HMC supplies customers with technical answers, calculations and designs to handle their problems. Our team of engineers is always prepared to analyse a customer's problem and to provide a satisfying answer. To fulfill our customer's extensive needs HMC created its own suite of products used to solve problems coming with

transporting heavy and voluminous loads under the name of the Marine Services tool. HMC intends to further expand its range of services and capabilities towards UIES and looks out to future projects and collaborations. For more information please [contact](#) our office.



ProStrain Technologies Sdn Bhd new agent for HMC

ProStrain Technologies Sdn Bhd has exceptional capabilities within the maritime industry and HMC is looking forward to a successful cooperation

As part of our vision to provide the worldwide industry with an even better service, we are proud to introduce ProStrain Technologies Sdn Bhd as our new representative for the Malaysian and Singapore market.

ProStrain is a innovative company within the Malaysian and Singapore maritime market. Their strong knowledge of the maritime technology makes them the perfect choice as our agency partner.

HMC's loading computer CPC 2.0 is the solution for class approved loading operations. The Cargo Planning & loading Computer combines all crucial stability- and strength parameters with an efficient and

user-friendly interface. A part from the loading system, Hull monitoring is an additional crucial aspect which will be taken care of by ProStrain. For more information [contact](#) our office.



"New agent for the Malaysian and Singapore market"

"Design is very important for our future of shipbuilding"

Hydrodynamic research on extra ordinary shaped ships used in nowadays heavy transport vessels

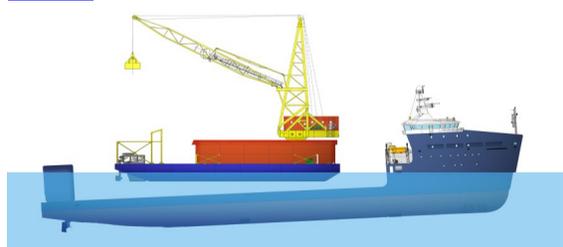
HMC is an independent engineering company with over 29 years of experience. We have gained a lot of knowledge on the hydrodynamic and hydromechanic part of heavy transport engineering and developed products

Nowadays there are heavy lift ships that are designed to carry excessively large loads that even cargo ships cannot bear, Think about other ships, drilling rigs or anything else which is too large or too heavy to be easily transported on a conventional ship.

Cargo of heavy lift vessels are most of the time very precious which leads to careful engineering and focus on all kind of motions, fatigue and waves. HMC could be involved in individual transports to quantify the behaviour and loads in design conditions. The development of new technologies and applications in the heavy transport and offshore industry is very important for the future of shipbuilding. HMC is specialized in heavy transport using semi submersible transport ships and barges. Our team has a

special kind of interest in hydrodynamics, sea behaviours and fatigue.

By applying management science techniques we can simulate studies and solving least time and least cost models. Our Maritime Education business unit intends to transfer knowledge to young engineers which is important to assure the future of our industry. If you have any questions about our ideas about design please [contact](#) our office.



"HMC: Passion for Engineering"

To unsubscribe, please [click here](#)

