

Announcement - 8 January 2014

## NEW GENERATION CSD SIMULATOR FOR HUTA MARINE WORKS

In December 2013 IHC Systems was awarded an order for the development and delivery of a new generation cutter suction dredger (CSD) training simulator from Huta Marine Works in Jeddah. It will accompany the delivery of the 23,545kW HUTA 12, currently under construction at IHC Merwede's shipyard in Kinderdijk.

Huta Marine Works will apply the simulator in training programmes for operators of the newest CSDs of its fleet, the HUTA 9 and HUTA 12. The simulator also has the technical capability to incorporate future vessels.

As usual, the simulator includes PC and presentation hardware for giving the trainee a realistic view and feel of working with a CSD. The control console is a HUTA 12 lookalike. The SCADA screens represent the newest presentation and control know-how as applied on the HUTA 12, which among others includes the Automatic Cutter Controller (ACC) and Dredge Track Presentation System (DTPS). The latest generation of the outside view presentation enhances the trainee's awareness of the dredger in its environment. Of course, the IHC Systems/MTI Holland-developed dynamic physical models serve the behaviour of the simulator.

Hardware is also provided for a trainer. He can follow the trainee's progress, randomly influence environmental factors and introduce difficult situations and errors – to be solved by the trainee.

The scope of IHC Systems includes the delivery of hardware and software, integrated FAT testing, supervision of the installation and commissioning in Jeddah, as well as the delivery of a training programme and training of the trainers in cooperation with TID, IHC Merwede's Training Institute for Dredging. Final delivery is due for Q3-2014.

Laurens A. Klootwijk,  
General Manager IHC Systems



Announcement