

IHC Systems inaugurates new TSHD Training Simulator

On 4 December 2008 the chairman of the Supervisory Board of IHC Systems, Mr. Bram Roelse, baptised our new TSHD training simulator PIETER CALAND with a virtual bottle of champagne. The simulator integrates the knowledge on shipbuilding and dredging equipment of more than one unit of the IHC Merwede family. The occasion was attended by many of them.

The simulators from IHC Systems are used for training of dredge operators and navigators to save costly production time and to quickly bring up experienced people. They allow training of:

- ✓ both dredging and sailing
- ✓ DP/DT operations
- ✓ single-handed hopper dredger control

The simulator is composed around a real-life control console, computerised physical models, a 150-degree outside view, and sound simulation



In its commercial version the simulator can simulate multiple vessels. The trainee behind the levers is fed back with instrument readings and sounds, similar to the real ship. Navigating and dredging in virtual reality considerably accelerates the learning process – while ‘accidents’ do not cause damage. The outside view presents the vessel from any selected perspective above or under water, as well as details of its installations. It is especially helpful at evaluations of training sessions.

Main features of the outside view are:

- ✓ Landscape can be adopted to specific job.
- ✓ Realistic representation of breaching and loaded soil.
- ✓ unloaded and discharged soil.
- ✓ Trainer-adjustable
- ✓ climatic conditions and sea state.
- ✓ process parameters.

