Transas installs the first in Russia offshore crane simulator

July 31, 2012 – Murmansk, Russia. Transas supplied a simulator of offshore crane to the training centre of Arktikmorneftegazrazvedka (OSJC "AMNGR"). This is the first simulator of its kind in Russia. The system has been designed for training of personnel operating on the arctic shelf.

The system simulates a crane that is used on offshore platforms. Prirazlomnaya platform (the first Arctic-class ice-resistant oil platform in the world) was used as an offshore platform prototype. The offshore crane simulator models control systems, hydraulics and crane interior arrangement (systems and components). Instructor can introduce faults in hydraulics and systems which enables troubleshooting mode of training. The core of the simulator is it's math model that provides utmost realism. Arctic harsh conditions impose certain restrictions on operations, that's why special attention was paid to modelling environment and model interaction (temperature, wind, wave etc.) which makes training truly realistic. Mentioned above features apply both to oil platform and supply vessel. The training can be brought one step forward by interconnection of navigational simulator and offshore crane simulator. Thus, joint training of a vessel and offshore oil personnel can be conducted.

Cargo handling at offshore platforms is associated with high complexity of operations and significant risks. Training of crane handling skills and especially work in troubleshooting mode that are provided by the simulator are vital for ensuring safety of offshore operations.

Company Arktikmorneftegazrazvedka was founded in 1979 for prospecting, exploration and development of oil and gas fields on the Russian Arctic Seas shelf. The company pays special attention to training of its staff. Installation of Transas offshore crane simulator at the company training centre will allow AMNGR to launch offshore crane operator training course.