SHIPMANAGER
SURVEY SIMULATOR

Making training widely available

Survey Simulator provides realistic and cost-efficient 3D training software for survey inspections, using virtual reality technology and detailed models of actual ships and offshore structures. Through Survey Simulator, DNV GL is sharing its accumulated survey knowledge with the industry, placing thousands of real-life deficiencies on each virtual vessel.

Practical training of surveyors is now possible without leaving the classroom. DNV GL’s innovative Survey Simulator software is flexible and gives a highly effective training environment working on independent models.

Training of surveyors in carrying out visual inspections can now be done in a more comprehensive, efficient and safe way. Various utilities offered by Survey Simulator help trainees gain practical knowledge in order to become self-reliant in their future survey tasks.

Good reasons for choosing Survey Simulator
- Practical training of personnel without access to vessels
- Possibility of training ship crew onboard during voyages
- Objective evaluation of personnel expertise level
- Significant reduction of training costs
- Increased effectiveness of training
- Positive impact on incident-free operation
- Interactive collaboration workspace where people can ‘meet’ in virtual reality to evaluate specific issues
By taking advantage of virtual reality technology and detailed models of actual ships, offshore structures, or other objects, Survey Simulator software offers a unique way to introduce a surveyor to simulated tasks and makes training more efficient, attractive and practical. It also provides a tool for everyday use for professionals who need to know everything about the vessel before they step on the deck. The simulator can also establish an interactive collaboration workspace for individuals working upon the same problem at a distance, meeting onboard the ship in shared virtual reality.

Key features
- Real-time inspection simulation, essential in inspection training
- Various inspection areas available for virtual survey (cargo holds, tanks, decks)
- Photo-realistic textures, placed on exceptionally detailed 3D models
- Thousands of real-life deficiencies
- Real-time degradation of coating conditions
- Set of relevant tools to document and report inspections results
- Accident-related safety at work scenarios built in
- Attached photo examples, drawings, manuals and reporting templates
- Video tutorials describing key features and possible learning scenarios
- Optimized to be run on ordinary laptop

Access global inspection knowledge
DNV GL has placed thousands of deficiencies on every available virtual vessel for training purposes.

The deficiencies of this “best of all inspections” would not only take years for a surveyor to experience, it would also take a large number of ships for a typical shipping company to accumulate. Through Survey Simulator DNV GL is sharing its accumulated survey knowledge with the industry. Deficiencies are both safety-related and of technical nature.

Highly detailed 3D models
One of the very important features of Survey Simulator is that it is optimized to run on an ordinary laptop used by surveyors every day. It therefore reduces company hardware investments and makes it suitable for use at small offices, even one-man stations, and onboard vessels. At the same time it has functionality to support the systems of advanced training centres with cutting-edge projection, offering amazing 3D and sound effects.

Vessel types
Bulk carrier, container ship, MOU, tanker

“Survey Simulator saves time and money compared to more traditional training methods and is far more effective. There is nothing better or more realistic than training superintendents on the simulator.”
Irek Kuligowski, Green Management