The complex inbuilt algorithms fully support multiple thruster types and allow us to incorporate various customized vessel models into the simulator. Parametric customization enables customized company or area/operation specific procedures and operational parameters to be included to support and enhance procedural and safety training and also for specific evaluation purposes. These customization features provide a comprehensively simulated platform using which the trainees can perform various levels of simple to complex training tasks such as:

- Familiarization training on DP systems
- Basic training in the use of DP systems
- Advanced operational training
- Company specific procedural training
- Charterer specific procedural training
- Area and operation specific procedural training
- Contingency training
- Emergency training
- Use of various reference systems
- Fault finding and isolation training

Our mission controller enables the instructor to create scenarios that suit particular training objectives; providing him with the ability to create complex mission scenarios for either a particular operational task or a complete operation involving both manoeuvring and DP operations. Further complete control of the simulation exercise is retained by the instructor at all times allowing him to inject faults and errors into the DP system, its sensors and reference system. Additionally wind, current, tide and various other weather and environmental parameters can be directly controlled and varied by the instructor during the course of a simulation session.
SOFT DYNAMIC POSITIONING SIMULATOR

Dynamic Positioning Familiarization Course
DNV / NI Reference
Class: Un Certified

SALIENT FEATURES:
This edition of the simulator is a PC-Based special task simulator specifically designed as a low cost solution for familiarization and some levels of induction training. The built-in configuration flexibility enables a single or two screen display capability, mouse/trackball or touch screen control along with the ability to incorporate standard gaming joysticks. Multiple trainee stations can be connected together modularly to create custom simulator training setups.

It allows the trainees to familiarize with, access various screens, controls and sensor inputs and understand the various component parts – power generation, thrusters and prime movers, power management, control options etc., in a simulated DP positioning keeping environment.

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This edition of the simulator is specifically designed to comply with the DNV Class C and NI-C type simulator requirements. With its emulated DP interface along with a desktop based standard DP control Kit the simulator provides the ideal solution for Standard / Induction level training.

It allows the trainees to utilize the instrumentation and exploit the system in a simulated virtual environment, gain practical experience and understanding of the various system elements, alarms, failures and basic troubleshooting while carrying out blind DP-maneuvering and position keeping.

In addition to complying with the functional requirements of a DNV Class C and NI-C simulator, this edition additionally provides the user with a Multi-functional display showing a corresponding Radar image, electronic chart display and various sensor/navigational equipment displays. The user gains from a more holistic practical training where information from various sources can be co-related by the trainee.
SALIENT FEATURES:
This edition of the simulator is specifically designed to comply with the DNV Class B and NI-B type simulator requirements. The dedicated DP control station with built-in redundancy, independent joystick back-up system, creates a DP simulator capable of mimicking the DP system found onboard an offshore vessel.

In addition to carrying out the standard DP tasks, the trainees can carry out DP operation planning and risk assessment, plan execution with full manoeuvring capabilities, FMEA including emergency situation management and mitigation. Given the capabilities, the simulator is ideally suited for procedural training and advanced DP and joystick manoeuvring practice.
SALIENT FEATURES:

In addition to complying with the functional requirements of a DNV Class B and NI-B simulator, this edition additionally provides the user with a visual upgrade option. The inclusion of an approximately 100 deg view of the horizon over an extended vertical field of view creates a unique lower cost solution for effective procedural and integrated training.
PREMIUM DYNAMIC POSITIONING SIMULATOR: TYPE-1

Dynamic Positioning Premium/Simulation Course
DNV / NI Reference
Class: A

SALIENT FEATURES:

Designed and integrated as a full mission simulator complying with the DNV Class A and NI-A type simulator requirements, this simulator creates a complete virtual offshore bridge environment, with its dedicated forward and after conning locations. The after conning location with the control and support stations integrates a dedicated DP control station with built in redundancy, independent joystick back-up system along with individual manual lever controls with an ultra realistic visualization display.

The near real virtual bridge environment thus created allow for intensive DP simulator training to be carried out in a safe environment, where trainees can practice advanced procedural, manoeuvring, risk assessment and mitigation and case study based training.
SALIENT FEATURES:

In addition to providing all the functionalities of a full mission DP simulator, this edition provides an upgrade option to include the Anchor Handling and Towing module. This enables a common simulator setup to be used for additional advanced training functions such as anchor handling, rig towing and positioning etc.