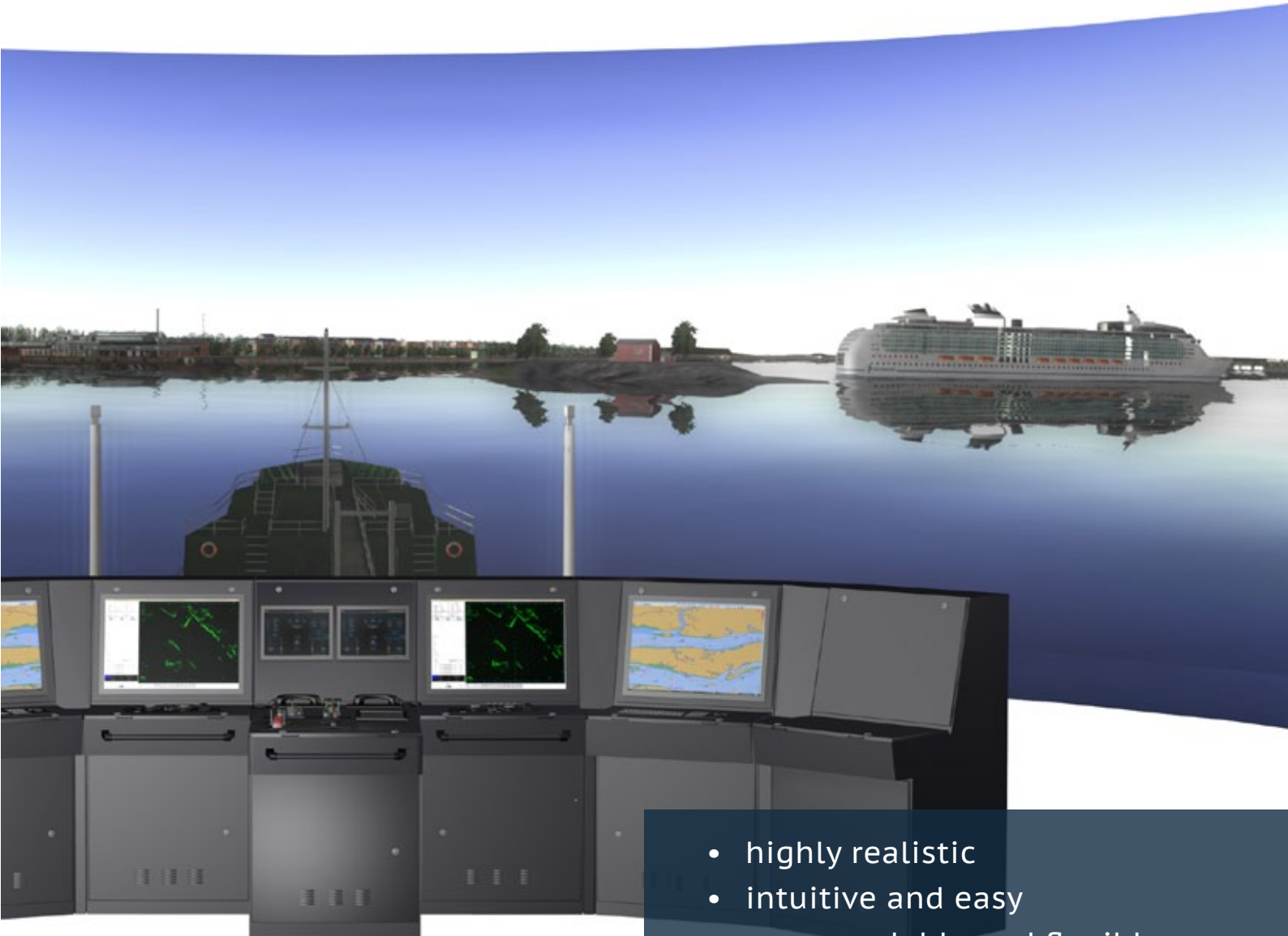# IMAGE SOFT

Image Soft Maritime Training Simulators

Sophisticated and high quality training environments for certified maritime training

- highly realistic
- intuitive and easy
- open, scalable and flexible
- for civilian and military use

Image Soft offers a wide range of maritime training simulators for maritime academies and for naval training. Our products are designed to meet the most stringent customer demands, are highly realistic and certified to comply with maritime training requirements.
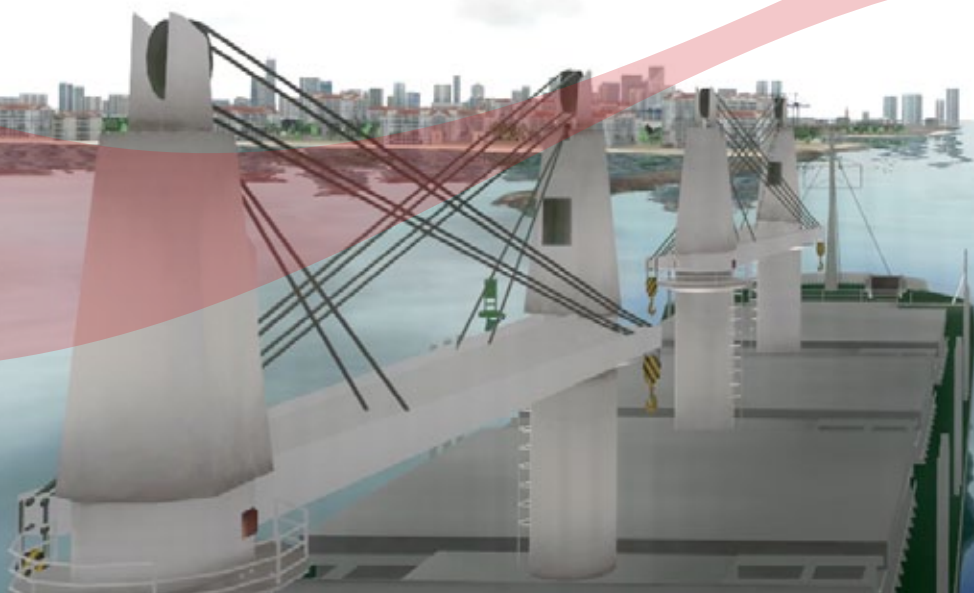
IS Full Mission Bridge Simulator

Image Soft Full Mission Bridge Simulator is a complete training environment for ship handling, and it complies with DNV Class A Standard for bridge operation simulators. Its genuine control devices and steering equipment together with highly sophisticated visuals (up to 360°) provide a true-to-life training environment for ship handling. The system is inter-connectable to other Bridges and ECDIS classes over open HLA protocol to run common training scenarios. The system is also easily customizable to new vessel types, control systems, training areas and port surroundings loyal to original ones.

IS Full Mission Bridge Simulator for Arctic Operations

Our Full Mission Bridge Simulator for Arctic Operations is the most realistic solution for training ship handling in polar waters. The validated ship and ice breaking behavior models are co-developed with Aker Arctic Technology Inc, the leading designer of arctic vessels. The simulator imitates ship handling in different ice thicknesses and textures thanks to the dynamic calculation of the ice and its interaction with the vessel. It has been designed to comply with arctic navigation training standard Polar Code. IS Arctic Operations Module is available as an add-on module to IS Full Mission Bridge Simulator.

IS ECDIS Training Simulator

Image Soft ECDIS Simulator is DNV certified to comply with IMO Model Course 1.27, offering high quality training for watch officers. Our ECDIS Simulator is a cost effective solution for maritime schools with high educational throughput requirements. It is highly user friendly for students, with 1-3 visual channels, ARPA Radar display, type approved ECDIS and a sophisticated conning display. Special emphasis has been placed on easy to use instructor tool for creating and managing scenario execution. It features realtime incident creation (wind, visibility, current, tide etc.), a quiz generator and an automated assessment tool. The package also includes a pre-installed selection of vessel types and training areas.

IS ARPA Radar Simulator

Image Soft ARPA Radar Simulator works like an authentic Radar. It casts beams from a specific point and calculates the echoes using the geographical data and the objects in the simulation (ships, buildings etc.) to generate a highly realistic Radar overlay on ECDIS. Objects such as new buildings and vessels can be added to the simulation, and they will be visible in the Radar display, too. IS ARPA Radar Simulator offers basic ARPA Radar training, and can be integrated in IS Full Mission Bridge and IS ECDIS Simulators. Radar display can be generic or type specific, e.g. Consilium™.

IS Sonar Simulator

Image Soft Sonar Simulator is a platform to train Sonar operators in detecting underwater objects and for seafloor imaging and mapping. It uses the most advanced simulation technologies to approximate the sonar wave propagation by mathematical models. Featured Sonar types are Scanning Sonar (PPI and B-Scan modes) for e.g. detecting underwater objects, Side Scan Sonar for scanning sea bed and Multi Beam Sonar for e.g. hydrographic survey measurement for acquiring hydrographic survey measurement data. IS Sonar Simulator can be integrated in IS Full Mission Bridge Simulator, or set up as stand-alone student stations for classroom training.

IS GMDSS Simulator

Image Soft GMDSS Simulator can be used to acquire General Operator Certificate (GOC), the highest level radio competency within the international Global Maritime Distress and Safety System (GMDSS). It is designed to be used for holistic Search And Rescue (SAR) training as an integral part of IS Full Mission Bridge Simulator, but it applies to dedicated GMDSS class training adhering Standards of Training, Certification and Watchkeeping for Seafarers (STCW), too. IS GMDSS Simulator fully complies with STCW requirements with NAVTEX, Inmarsat-C, Inmarsat Fleet-77, EPIRB, SART, VHF DSC radio, MF/HF DSC radio, Portable VHF radio, Radio Telex (NBDP) and Maritime Safety Information (MSI).
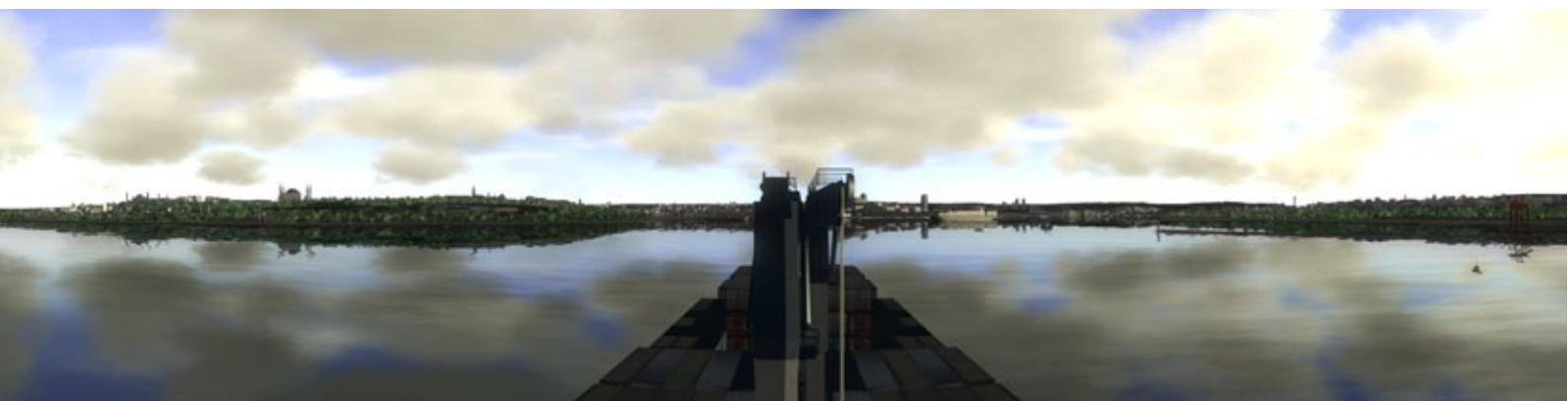
Image Soft has over 25 years of experience in developing complex technologies and simulation systems for the needs of maritime industry. We are committed to serve and to create value to our customers through innovation.

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