3D Port Creation & Simulator Builds
“The technology has moved on so much, it's incredible that we can now create large and extremely accurate bespoke ports for shipping companies, and, more importantly capture what they see out the window to their real bridge equipment in our simulators.”

Mark Broster - Managing Director
3D Port Creation
Your Port, Your Vessel, Your Way

We have in house specialists that can develop realistic environments in a very short period of time, at a relatively low cost. Practice at our facilities or in your own ECDIS Ltd simulator.
Day 1 - Consultancy
The initial stage of the process begins with a consultation meeting with our 3D Environment Artist team to clarify the specification you desire for your virtual port.
Area Mapping
Working with you to decide which areas of your chosen port need the highest level of detail and which key landmarks need to be generated into 3D.
Weeks 1 - 2 - Gathering Reference
This can be in the form of on-site photography, gathering intelligence from the internet, digital mapping software and ENC charts.
Weeks 2 - 6 - Creating 3D Models
Once all necessary references have been gathered we can begin creating 3D geometry and populating the high detailed areas.
Project updates can be supplied on request anytime throughout the process and on week 6 your port will be available for testing to ensure all your requirements have been met.
Week 7 - Delivery

Once you are happy with your 3D port you can use it anytime at our facility for training, or additionally in your very own custom built simulator including bespoke equipment.

Please note - time scales are based on averages and may vary due to size of port you require.
The benefits of 3D simulation manifest during execution of pilotage or port transit requested. Bathymetry is accurately modelled to allow the requisite manoeuvres and ship-handling to be verified and topography, key landmarks and navigation aids are also fully recreated developing familiarity with the area in a simulated environment that translates seamlessly into improved execution of formulated plans.
Simulator Builds

ECDIS Ltd have significant experience in the design, construction and delivery of high-end simulators. We have built simulators all over the world ranging from mini simulators used for ECDIS training to full mission bridge simulators used for bridge training exercises.
Tailor Made Features
As part of your simulator build package we are also able to create custom control units to fit your requirements.
ECDIS Integration
We have successfully integrated a wide range of ECDIS systems into our simulators to meet our customers training needs.
Our simulators have been integrated with sophisticated radar technology, surveillance systems, marine band communications and more for the ultimate training experience.
ECDIS Ltd offer a wide variety of maritime and military training simulators as an affordable alternative for training your staff. The simulators can be purpose built to meet your needs and can be fitted in a location of your choice anywhere in the world.

Our simulators have been designed to be;

Compatible - Integrated with a wide range of ECDIS and other on-board equipment.
Cost Effective - Relatively low cost, with high-end finish.
User Friendly - Easy to use drag and drop style of creating exercises.
Efficient - Provides the ability to train groups of trainees together.
Excellent Quality - Outstanding graphical detail of world famous ports.
Flexible - Purpose built to meet your needs.
Mini Simulators
Mini Simulators