



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 facility or in your own custom built 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.



Week 1 - 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 photographygathering 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.



Week 6 - Client Testing

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.



Long Beach, LA Asset Examples



Los Angeles
Maritime Museum



Nobel Maya



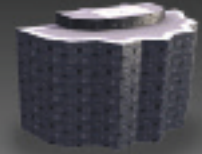
World Trade Centre



Civic Centre



Union Bank



Coastal Commission Tower



Pacific Coast Aquarium



Long Beach Arena



Fire Boat Station



Queen Mary Dome



Korean Bell of Friendship



Warehouse #1



Old Point Fermin



San Pedro L.H.



Harbor L.H.



Long Beach L.H.



Griston Tower

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.

Vessel Creation

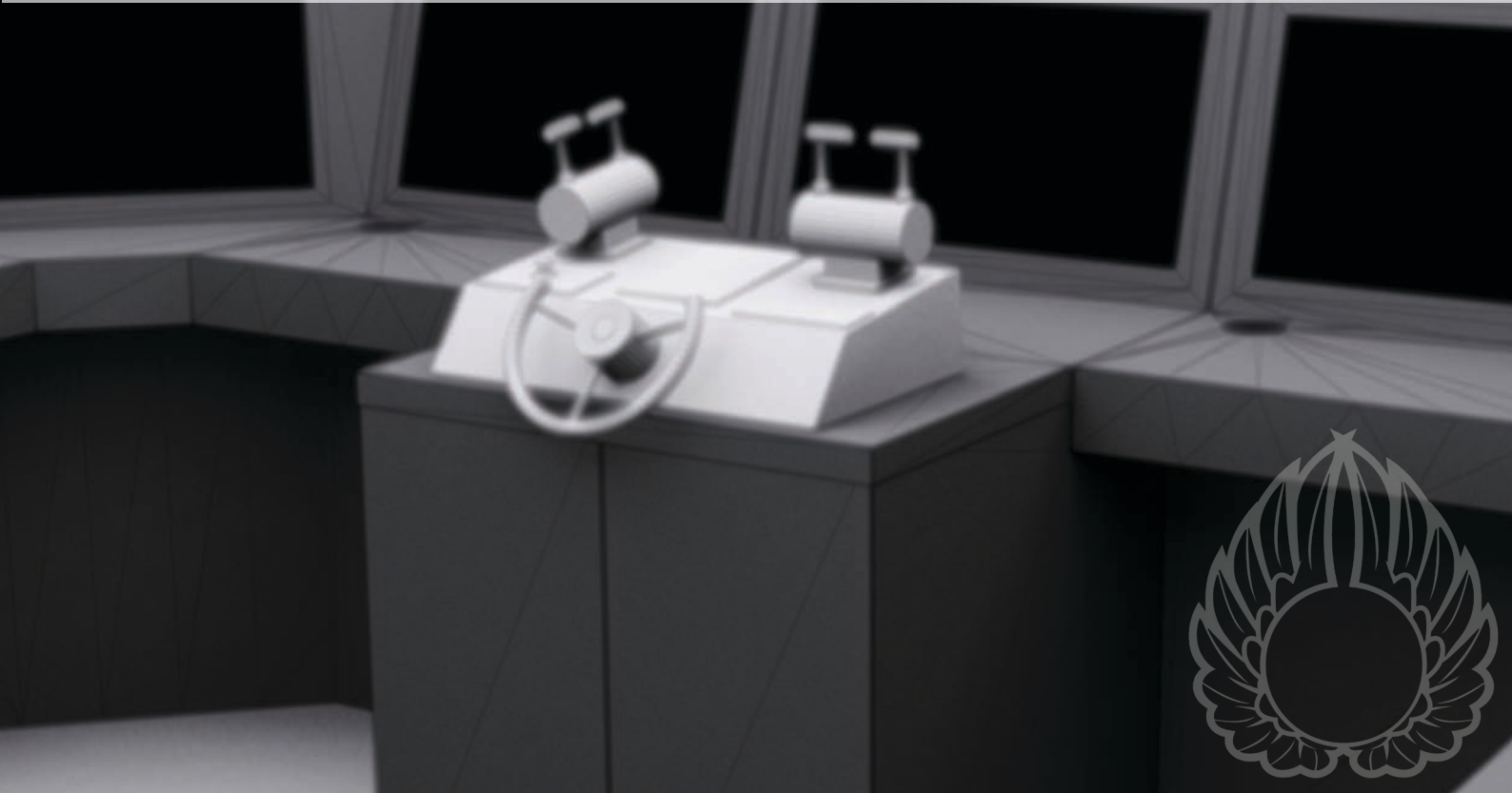
Your Port, Your Vessel, Your Way



At ECDIS Ltd we now have the ability to create any vessel in the world for your simulation training. Our team of 3D experts bring blueprints to life using the latest modelling and image manipulation software. These models are then thoroughly tested over and over to match the real life counterpart to ensure realism when used in simulated environments.

Simulator Builds

ECDIS Ltd have significant experience in the design, construction and delivery of high-end simulators. We have built simulators worldwide ranging from mini simulators used for ECDIS training, to full mission bridge simulators used for bridge training exercises.





Tailor Made Features

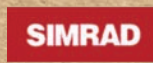
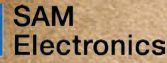
As part of your simulator build package we are also able to create custom control units to fit your requirements.





ECDIS Integration

We have successfully integrated a wide range of ECDIS systems into our simulators to meet our customers training needs.





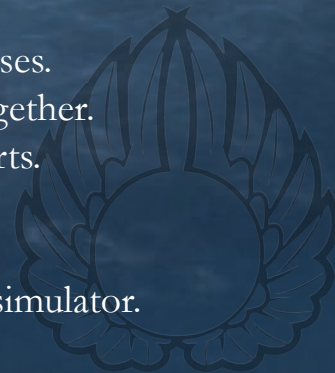
Our simulators can be integrated with sophisticated radar technology, ECDIS systems, and various marine equipment for the ultimate realistic training experience.

Why Choose an ECDIS Ltd Simulator?

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. |
| Compact | - 360° simulator, available in small footprints. |
| Communicative | - Connect multi tug simulators to the main bridge simulator. |



Full Mission Simulator Concept



1. Conning
2. Radar
- 2a. Radar Repeat
3. Ecdis
4. Control Box
5. AIS
6. GMDSS Station
7. Instrument Repeats
8. Graphical Displays



Port Side Bridge



Centre Console

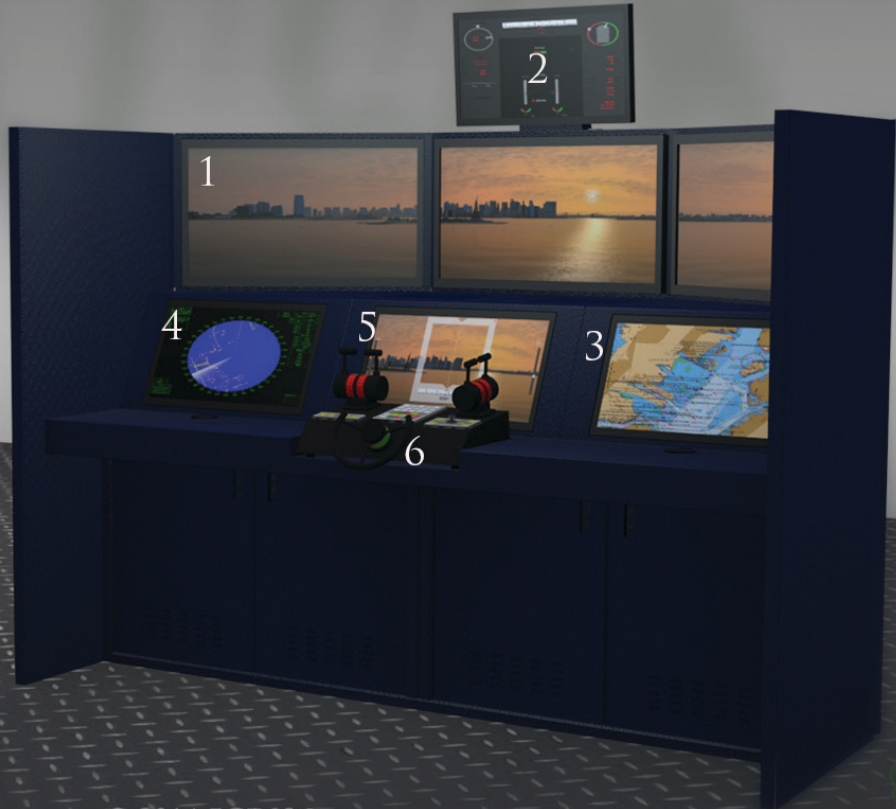


Starboard Side Bridge



Trainee Simulator Workstation Concept

1. Bridge View
2. Conning Screen
3. Ecdis
4. Radar
5. Binoculars
6. Control Box

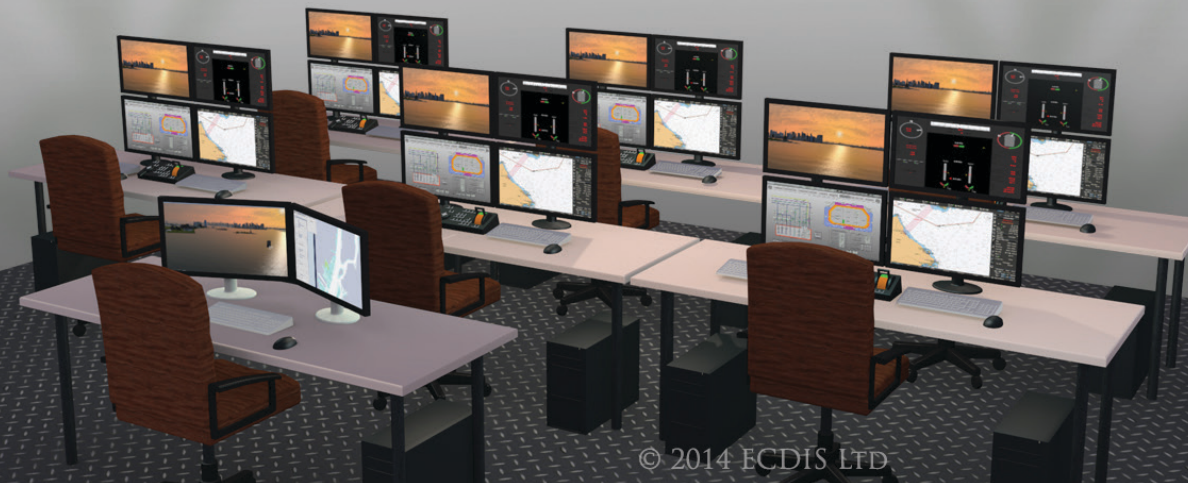


Instructor Station Concept

1. Bridge Sim View
2. Radar Repeat
3. Ecdis Repeat
4. Instrctor station
5. Changeable Instrument Repeat
6. Security Camera Live Feed



Trainee Simulator Workstations Suite



COURSES WE OFFER



Anti-Piracy Courses



Bespoke Training



HELM Courses



Advanced Training Courses



Standard Training Courses



Super Yacht Courses



Bridge Training Courses



ECDIS Courses

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