



ECDIS
limited

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.



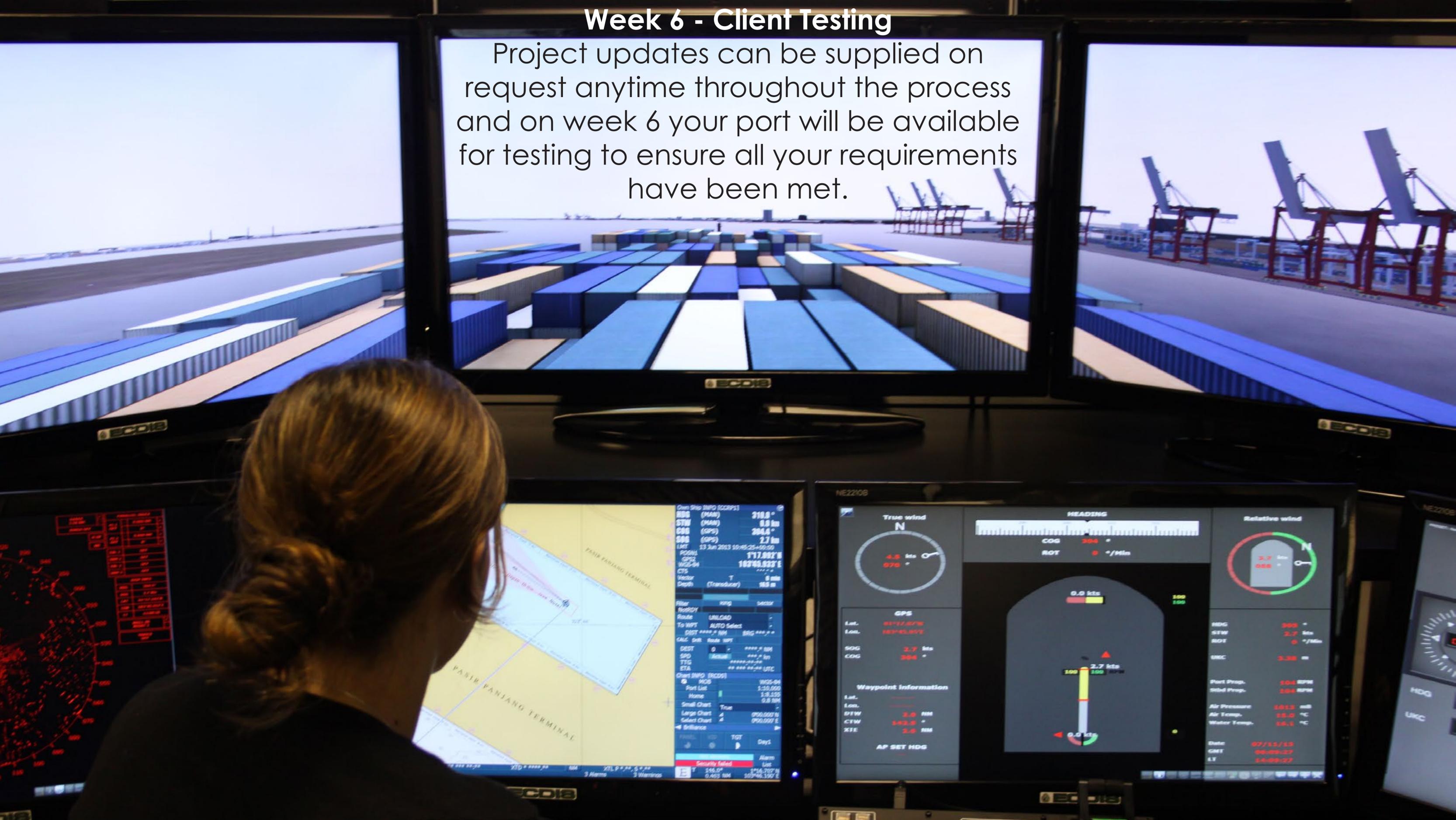
Weeks 2 - 6 - Creating 3D Models

Once all necessary references have been gathered we can begin creating 3D geometry and populating the high detailed areas.



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.



Own Ship INFO (RCDS)
RDB (MAN) 310.0 °
STW (MAN) 0.0 km
COG (GPS) 304.4 °
SOG (GPS) 2.7 kts
LMT 23 Jun 2013 10:45:25+00:00
POBnd 177.002°W
GPS 102°40.922°E
WGS-94
CTS
Vector
Depth (Transducer) 0 m

Filter: RING Vector
NoRDY
Route: UNLOAD
To WPT: AUTO Select
DIST: **** NM BRG: **** °
CNC: Dist. Route WPT
DEST: 0 **** NM
SPD: (Knots) **** kts
TTG: ****:##
ETA: ##:##:## UTC

Chart INFO (RCDS)
RDB: WGS-94
Port List: 1:0.000
Home: 0.0 NM
Small Chart: True
Large Chart: 090.000°W
Select Chart: 090.000°E

Brilliance
TGT Day1
Security Status Alarm List

True wind
4.8 kts
076 °

HEADING
COG 304 °
ROT °/Min

Relative wind
3.7 kts
088 °

REG
STW 2.7 kts
ROT °/Min

URC 3.38 m

Port Prop. 0.04 RPM
Wind Prop. 0.04 RPM

Air Pressure 1013 mb
Air Temp. 15.0 °C
Water Temp. 14.1 °C

Date 07/11/13
GMT 06:09:27
LT 14:09:27

GPS
Lat. 01°17.07'N
Lon. 102°40.922'E

SOG 2.7 kts
COG 304 °

Waypoint Information
Lat. ---
Lon. ---
DTW 2.0 NM
CTW 143.8 °
XTE 2.0 NM

AP SET HDG

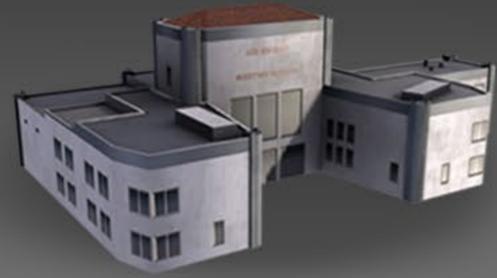
Week 7 - Delivery

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



Hotel Maya



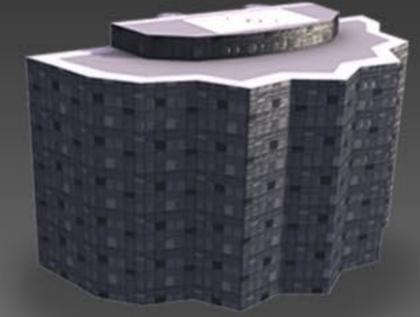
World Trade Centre



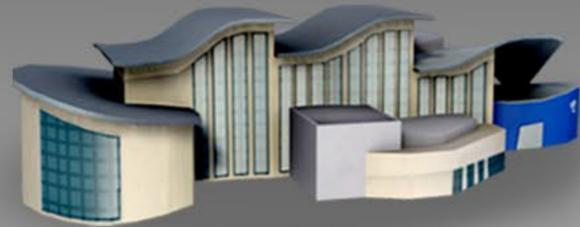
Civic Centre



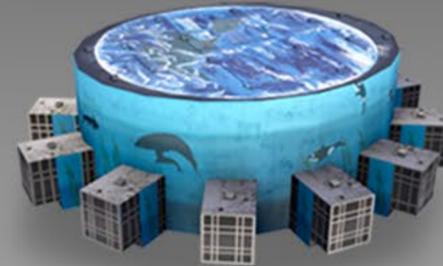
Union Bank



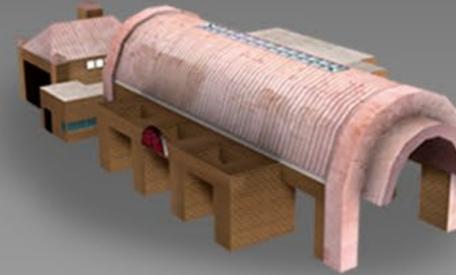
Coastal Commission Tower



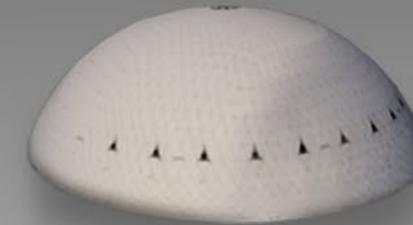
Pacific Coast Aquarium



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.

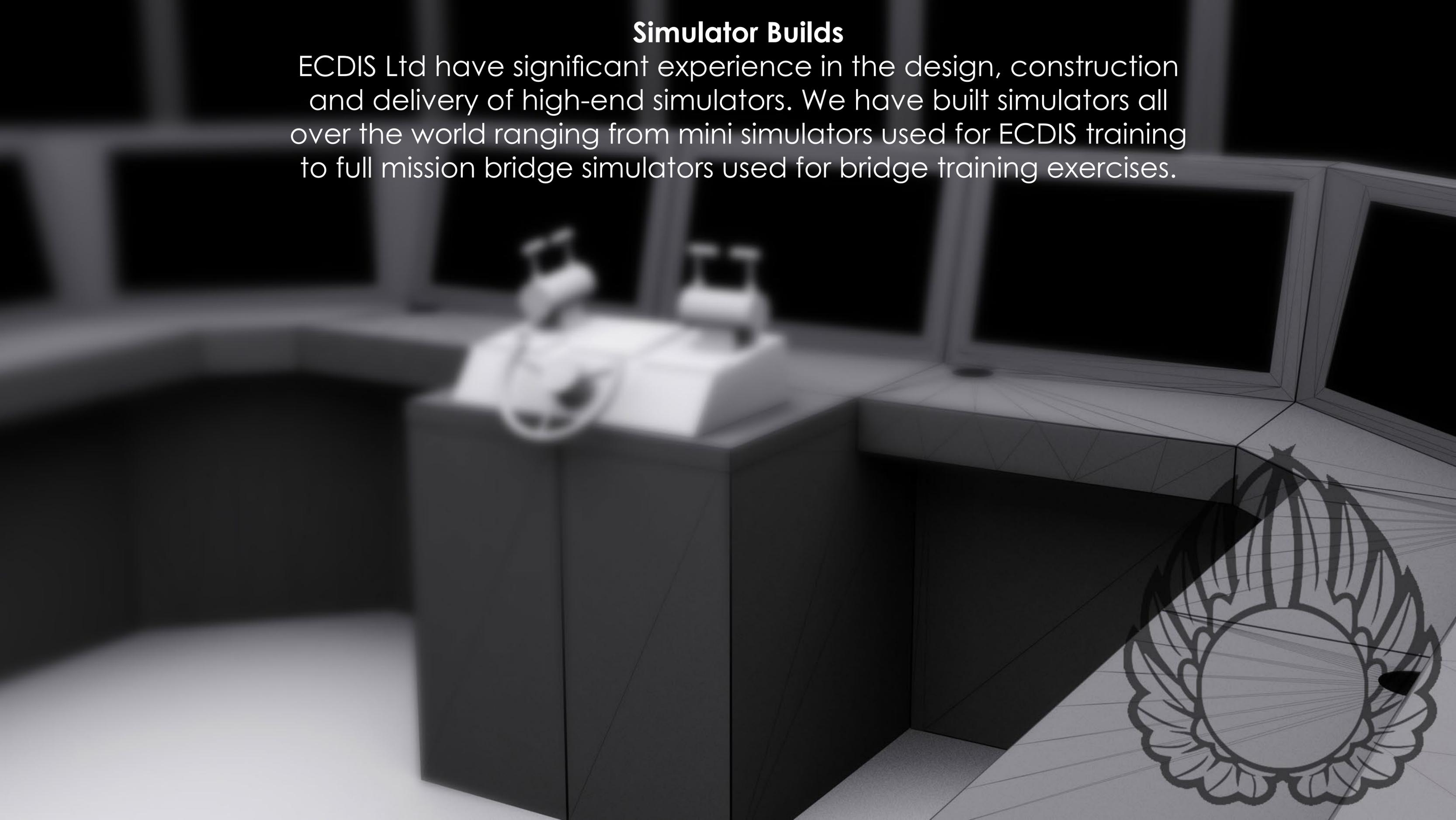


Grissom Tower

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.

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.



Sperry Marine





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

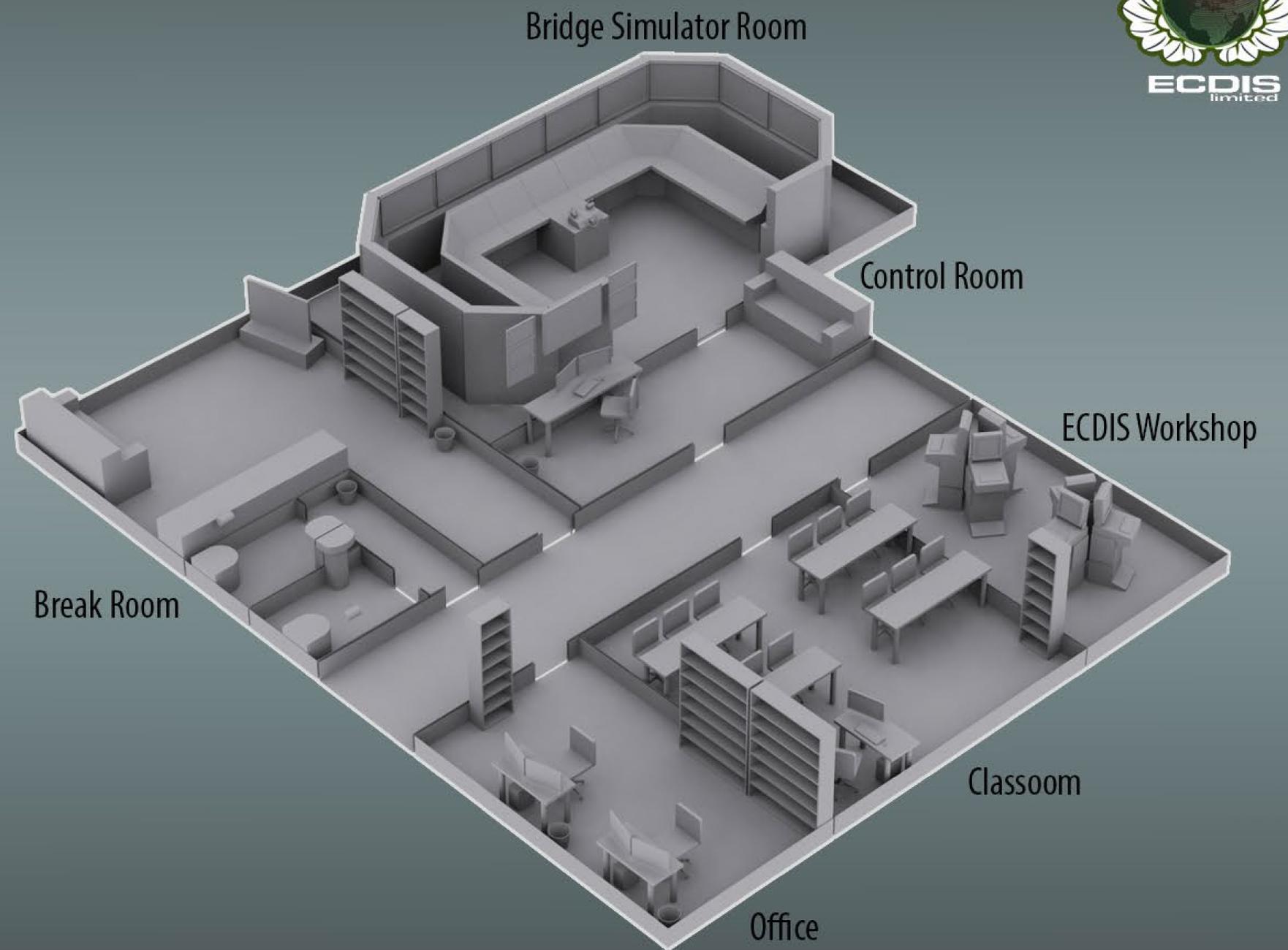
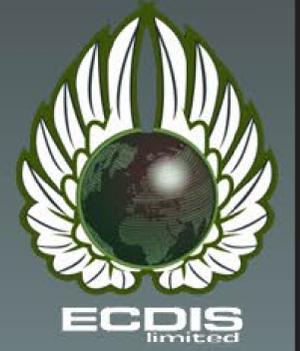
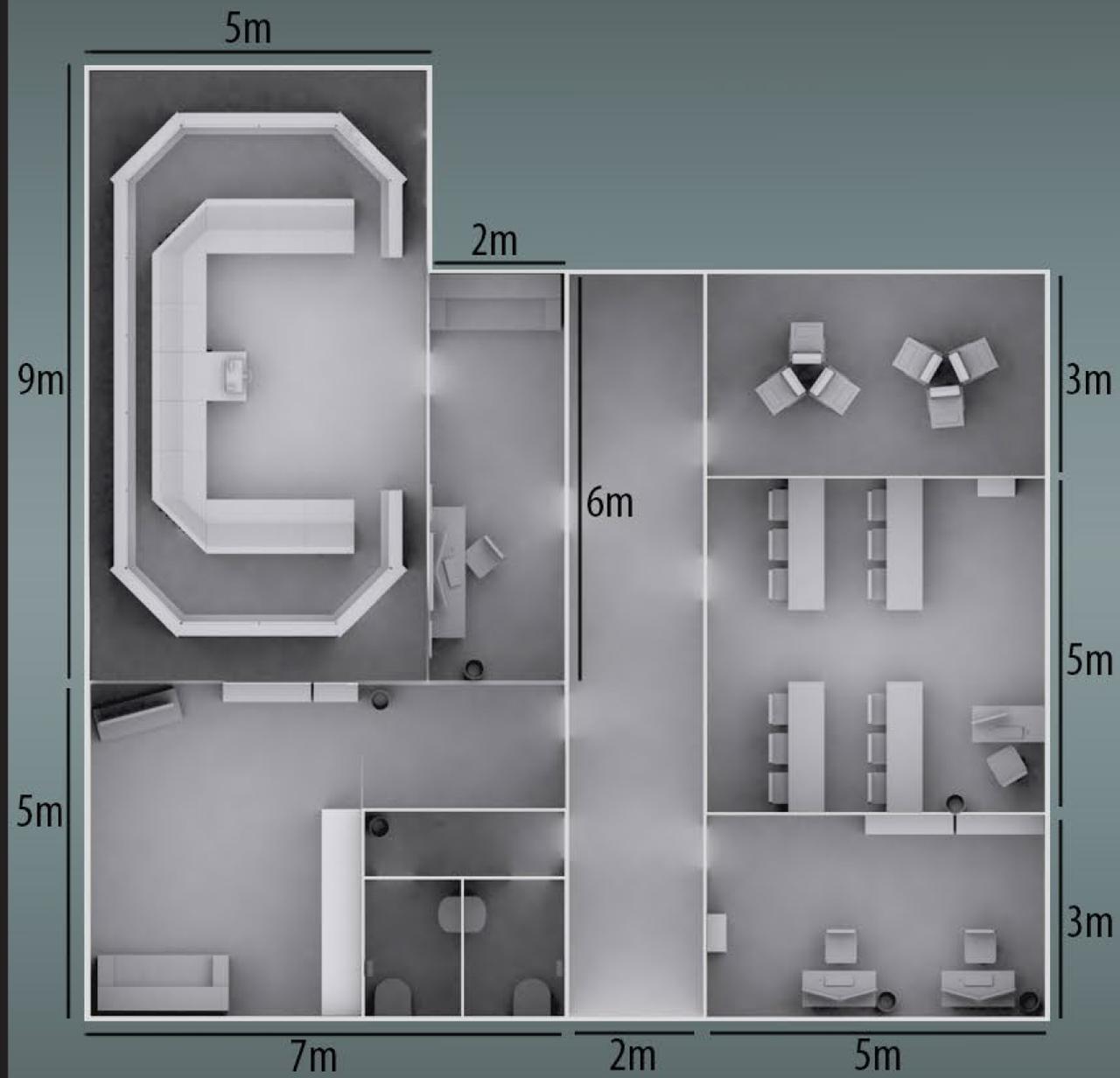


Mini Simulators



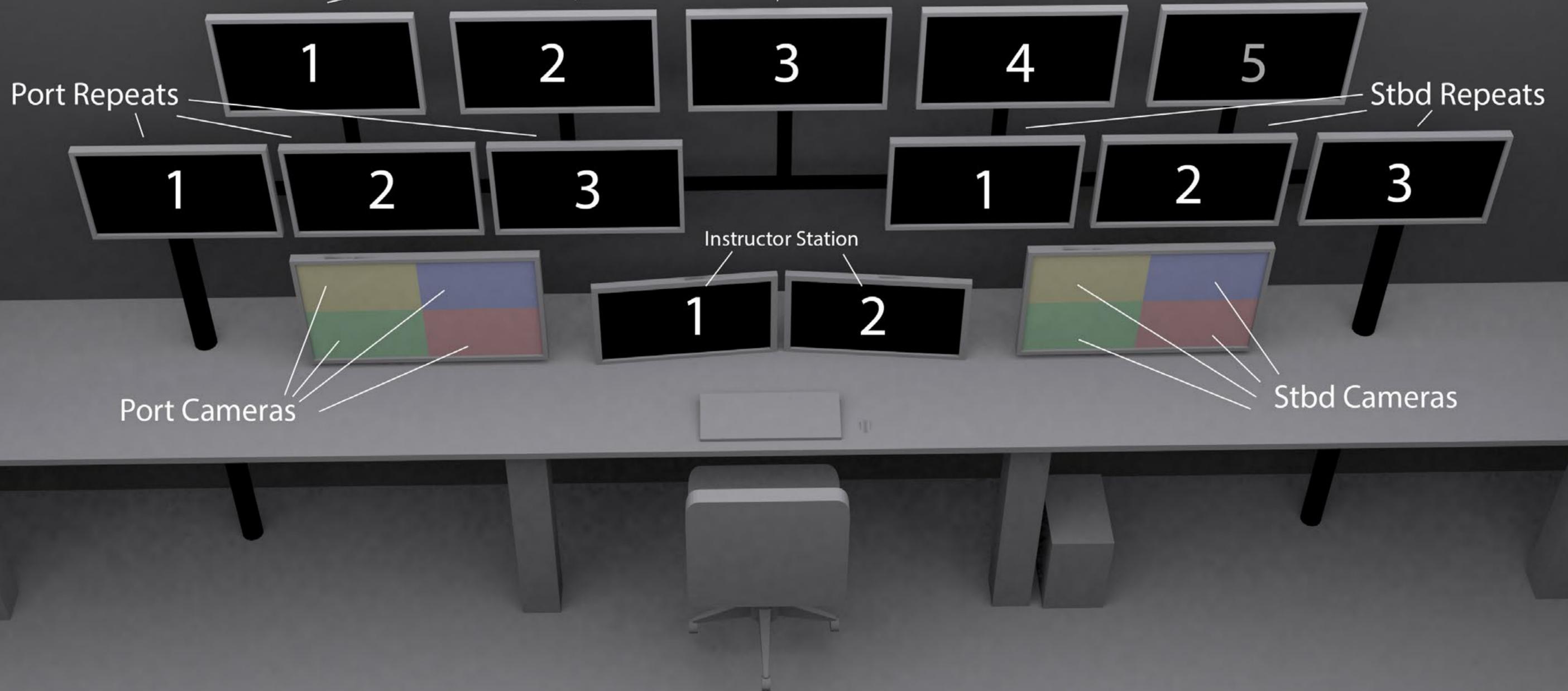
ECDIS
limited

Design Layout



Control Room

View of bridge



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