

Centre for Maritime Simulations

A new realism in Maritime Simulation



AMC

AUSTRALIAN MARITIME COLLEGE



Training In:

- ECDIS, ARPA, AIS
- High speed navigation
- Maritime Resource Management (MRM)
- Pilotage/Competency Audits
- Tug operations
- Customised courses/Professional development programs





- Simulation studies
- Evaluating new and expanded port designs
- Evaluating tug requirements
- Extending port operational parameters
- Standard operating/emergency procedures
- Incident investigation
- Handling of new, larger ships
- Human factors
- FPSO mooring
- Human system integration



Full Mission Bridge

- DNV Class A standard
- Horizontal field of view—240° + 15° + 15°
- Vertical field of view—35° - above horizon 18°, below horizon 17°
- 2 x ARPA radars, 2 x ECDIS + AIS pilot plug, KPOS DP control, (ECDIS with docking mode, predictors, and track control)
- Participant controlled shift of visual, via joystick or step shift, includes pan and tilt
- Binocular channel, and search light
- Birds eye view
- 2 Engine throttle/pitch controls, 3 + 3 thruster's controls
- Gyro repeater compass
- 2 x VHF and intercom
- Split rudder controls
- "T" bridge configurable from traditional bridge, to passenger ship bridge, high speed, and DP bridge, with jump seat facility
- 2 x 2 Engine throttle/pitch controls
- 3 x 3 Thruster's control, 2 x Azi Pod

6 x Ship Operations bridges

- Horizontal field of view 150° (5 x 48" plasmas)
- 2 x ARPA radars, 2 x ECDIS with track control
- Full suite of bridge equipment
- 1 Bridge is equipped to carry out vessel traffic services functions
- 2 Bridges mounted back to back and can be customised to show 300° HFOV, for towing and or anchor handling

Dynamic Positioning Unit

- DP Operator courses
- DP Advanced courses
- Nautical Institute Accreditation
- Kongsberg KPOS dual redundant system

Tug/Mini Bridge

- Horizontal field of view - 206°
- Vertical field of view - 42° - above horizon 28° and below horizon view 14°
- Participant controlled shift of visual, via joystick or step shift, includes pan and tilt
- 1 x ARPA radars, 1 x (ECDIS with docking mode, predictors, and track control)
- 2 Engine throttle/pitch controls, 3 + 3 thruster's control
- 2 x Azi Pod controls for ASD tugs
- Voith Schneider controls
- Manual hydraulic winch control

Functional Capabilities Include

- 6° of freedom (DOF) ownships and tugs
- Dynamic sea, swell and wind effects, include shadowing effects and environmental sound
- Client data input for tide and currents
- 6 Channel de-brief rooms
- Digital recording of all simulation exercises
- Visual and audio recording of simulation exercises/human factors
- Debriefing facility

Modelling Stations

- 3 x Visual system and area modelling stations
- 2 x Ship hydrodynamic modelling stations
- All ship and areas modelled in-house

1 x Portable Simulator

- 19" notebook computer
- Single viewing channel with participant controlled shift of visual, includes pan and tilt
- Dynamic sound effects of all environmental conditions
- Fast time simulations



Counselling/Conference Room



Dynamic Positioning Unit



Preview/Debrief Room

For Capability Enquiries:

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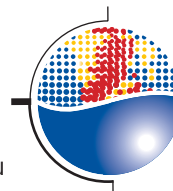
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