



TUG TRAINING COURSES

2021

AMCS
AMC SEARCH

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KOTUG

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AMC Search, the training and consultancy division of the Australian Maritime College (AMC) and Kotug International deliver a suite of professional training courses aimed at making the Australian industry safer, more reliable and profitable for all.

The Tug training courses are delivered by Kotug Training & Consultancy whose trainers are highly experienced experts in tugs and towage at the Centre for Maritime Simulations in Launceston.

Courses can be delivered in a blended delivery mode where the theory can be conducted online and the practical training sections delivered using the tug simulators at the Australian Maritime College's Centre for Maritime Simulations in Launceston.

**The Centre for Maritime Simulations
tug simulators are powered by
Kongsberg software and include:**

- Two 360 degrees tug simulators
- 42 degrees vertical field view
- Participant controlled shift of visual, via joystick or step shift, includes pan and tilt
- Rotor Tug model
- 1 x APRA Radar, 1 x ECS with docking mode, predictors and track control
- 2 engine throttle/pitch controls
- 3 azimuth thruster pods controls for Rotor Tugs
- 2 azimuth thruster pods controls for ASD Tugs
- Manual and auto hydraulic winch control

TUG KNOWLEDGE / BASIC TUG HANDLING

Course Description

The course takes place in a state-of-the-art simulator but can be combined with practical training on board a tug if the client requires.

The course can be based on either conventional or Azimuthal propulsion tug types as required by the client.

The Basic Tug handling course will be tailored to the candidate's experience and will provide both the underlying theoretical knowledge and practical training for:

- Tug Design Factors
- Various types of harbour tugs
- Assisting methods
- Tug capabilities and limitations
- Tug capacity requirements
- Interaction and tug safety
- Towing equipment
- Forces working on a tug
- Force vectors
- Turning moments
- Tug terminology
- Mooring
- Unmooring
- Sailing ahead and astern
- Turning
- Side stepping
- Emergency stops
- Coping with currents, wind, waves and other relevant aspects

Course Duration

5 Days

Entry Requirements

Trainee needs to have completed the online training course

Assessment

Assessment of manoeuvres and knowledge & full Attendance

Accreditation

Internal & Kotug T&C

Attendance

100% attendance is required

Price per course for a maximum of 4 participants on two simulators

\$33,835 per course (+GST) / \$8,458 per person (+GST)

HARBOUR TOWAGE / PUSH-PULL AND LINE TOWAGE

Course Description

This training program is a combination of theoretical lecturing, instruction and practical training in the simulator on either conventional or Azimuthal propulsion tugs. Some examples of the topics addressed during this course are:

- Connecting to moored vessels and to vessels at low to moderate speed, with and without current
- Coming alongside a ship at speed to connect for pilot transfer
- Follow up on pilot commands
- Push and Pull
- Direct arrest
- Direct steering assist
- Coping with and avoiding the influence of ship/tug interaction
- Getting more insight in assisting
- Speeding up your manoeuvres
- Dealing with push pull at speed
- Avoiding and creating donkey effects

Course Duration

5 Days

Entry Requirements

There are no formal entry requirements but it is expected that the candidates will have undergone prior tug training such as the Tug Knowledge and Basic Tug Handling course or 1 year experience on tugs.

Assessment

Assessment of skills and knowledge

Accreditation

Internal & Kotug T&C

Attendance

100% attendance is required

Price per course for a maximum of 4 participants on two simulators

\$33,835 per course (+GST) / \$8,458 per person (+GST)

ADVANCED HARBOUR TOWAGE / ESCORT TOWAGE

Course Description

This training program is a combination of theoretical lecturing, instruction and practical training in the simulator on either conventional or Azimuthal propulsion tugs.

This course focuses on the tugs role in escorting ships at different speeds under different circumstances and environmental conditions in a safe and professional manner including:

- Direct and Transverse arrest
- Direct and indirect steering and changing between the modes
- Powered indirect
- Steering and braking forces
- Stability and dynamic stability
- Shifting from direct to indirect
- Shifting from indirect to direct
- Connecting at high speed
- Coping with and avoiding the influence of ship/tug interaction
- Avoiding and creating donkey effects
- Successful escort response factors
- Kinetic energy
- Speeding up manoeuvres

Course Duration

5 Days

Entry Requirements

There are no formal entry requirements but it is expected that the candidates will have undergone prior tug training such as the Harbour Towage course and have a basic knowledge of stability.

Assessment

Assessment of manoeuvres and knowledge & full attendance

Accreditation

Internal & Kotug T&C

Attendance

100% attendance is required

Price per course for a maximum of 4 participants on two simulators

\$35,525 per course (+GST) / \$8,881 per person (+GST)

AFFORDABLE ON-CAMPUS ACCOMMODATION AND CONVENIENT TRAVEL OPTIONS

AMC Search manages Norfolk Hall, motel style accommodation situated on the main AMC campus in Launceston, Tasmania.

Utilised by commercial clients only, Norfolk Hall is affordable and very comfortable, providing the following facilities:

- Queen size beds
- En-suite bathroom
- Television
- Fridge
- Rooms serviced daily (excluding weekends)
- Affordable meals are available at the on-site AMC Cafeteria



Launceston is well connected with direct flights from:

- Brisbane
- Gold Coast
- Sydney
- Melbourne
- Adelaide
- Perth

CONTACT INFORMATION



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