

## Marine Pilots Training and Continuous Professional Development Package

### Electronic Chart Display Information System (ECDIS)

Instrumental Pilotage (INS, ECDIS and PPU)

5 days / 40 hours

Cost: \$5,030 pp

GST exempt

- High quality simulator training is guaranteed by a maximum number of 6 trainees per course and by using 2 Part Tasks Bridge Simulators.
- Simulator scenarios are customised for specific pilotage needs.
- Pilots attending the course can connect their Portable Pilot Units (PPU) to the Simulator Pilot Plug to enhance the realism of the simulation.
- The course is approved by the Australian Maritime Safety Authority (AMSA) as meeting the requirements of the International Convention on Standards of Training Certification and Watchkeeping (STCW) 1978, as amended in 2010.
- The course is also accepted by the UK Maritime Coastguard Agency (MCA) for re-validation of UK Certificate of Competency (CoC's).
- Pilots and officers who successfully complete the course will also receive a Type-Specific certificate of familiarisation with the Integrated Navigation System (INS) Sam Electronics NACOS which integrates ECDIS, Radar and Track Control System.

**This course equates to 10 points for professional development valid for 5 years as per the Training Standards for Australian Marine Pilots.**

### Shiphandling and Bridge Team Work (BTM)

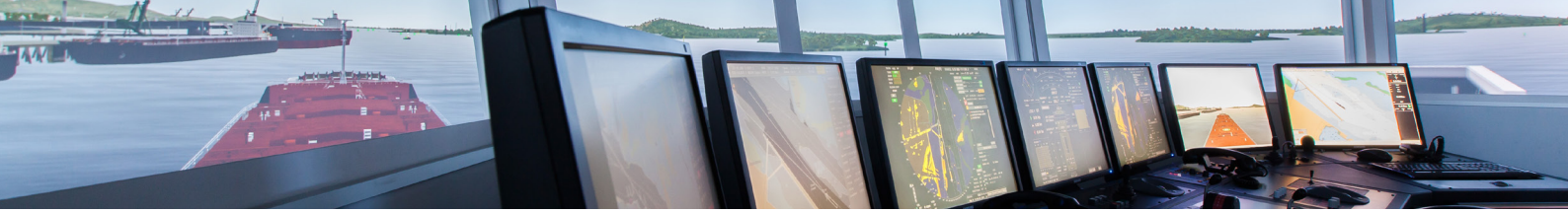
Port Specific Pilotage and Team Work Practice

5 days / 40 hours

Cost: \$11,000 inc GST pp

- High quality simulator training is guaranteed by a maximum number of 6 trainees by using 2 Full Mission Bridge Simulators.
- In order to maximize time spent maneuvering in Full Mission Bridge Simulators, trainees will have to study a shiphandling theory package sent to them before attending the course. This package constitutes the knowledge component of the course and includes resources in the area of:
  - hydrodynamics (water flows and waves)
  - ship propulsion systems
  - steering systems
  - interaction effects
  - environmental forces
  - anchoring
  - tug use in port.
- The course focuses on the practical application of the theory studied by trainees. The instructor facilitates learning through briefings and debriefings after each exercise.
- The course aims at developing individual shiphandling skills as well as team player skills.

**This course equates to 20 points for professional development valid for 5 years as per the Training Standards for Australian Marine Pilots.**



## Emergency Training

Port and Ship Specific Emergency Training

3 days / 24 hours  
Cost: \$9,000 inc GST pp

- High quality simulator training is guaranteed by a maximum of 3 trainees by using 1 Full Mission Bridge Simulator.
- Pilots are exposed to abnormal situations using Port and Ship specific models.
- Feedback from scenarios can be used to update/enhance company emergency procedures.
- Real incidents / accidents can be recreated during simulations.

**This course equates to 20 points for professional development valid for 5 years as per the Training Standards for Australian Marine Pilots.**

## Bridge Resource Management (BRM)

Human Factors, Safety and Risk Management

4 days / 32 hours  
Cost: \$2,750 inc GST pp

- The course is conducted at Smartship by Capt Ravi Nijjer (Marine Consultancy Group).
- The present BRM Course is referred to as a 2nd Generation course and was fully developed in late 2010 and approved by the Australian Maritime Safety Authority (AMSA) in March 2011.
- One of the main driving forces for developing the 2nd Generation BRM course is the recent trend of criminalising seafarers after maritime accidents, especially those involving pollution and/or casualties.
- The course focuses on:
  - causes of human error
  - development of error wisdom
  - error management
  - developing a practical understanding of situational awareness
  - decision making
  - making the BRM approach the operating philosophy.

**This course equates to 10 points for professional development valid for 5 years as per the Training Standards for Australian Marine Pilots.**

## Advanced Marine Pilots Training (AMPT)


Professional Development Seminar


5 days / 40 hours  
Cost: \$4,609 inc GST pp

- The course aims to update pilots on a range of topics in several areas of navigation and safety management and to enable pilots to have an informed opinion on professional matters.
- The topics covered by Industry experts and Smartship instructors include:
  - the shift from 'Pilot Centered' to Systems approach
  - the development and application of Pilotage Operation Safety Management System (POSMS)
  - the legal aspects of pilotage
  - the application of new technologies to both Integrated Navigation Systems and Portable Pilot Units.
- The course is approved by the Australian Maritime Safety Authority (AMSA) as an "approved pilotage training course" for the purposes of applying for a trainee coastal pilot license and for the purpose of coastal pilot license revalidation requirements in accordance with Marine Order 54 (Coastal Pilotage).
- Port and Coastal Pilots holding an AMSA STCW78 or STCW95 certificate of competency who complete this course meet the current AMSA approved Revalidation Course requirements (Part A and B), which can include the Medical Care revalidation course components if the participant completes the Medical Care Refresher course facilitated by Smartship Australia.

**This course equates to 20 points for professional development valid for 5 years as per the Training Standards for Australian Marine Pilots.**

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