



WHOLE LIFE WARSHIP CAPABILITY MANAGEMENT

5 DAY TRAINING COURSE

As the Australian defence industry prepares for a substantial shift to shipbuilding, having a workforce that is well trained and informed about the critical elements of warship capability management is crucial.

Over 5 days a team of disciplined, experienced and knowledgeable BMT engineers will deliver detailed insights into the acquisition and capability management of a warship, throughout the complete life-cycle.

We are able tailor discussions on the content, which increases group interaction in an open digital learning environment.

*This course is certified by
The Royal Institution of Naval Architects.*

+61 (02) 6171 7006
trainingcourses@bmdt.com.au
www.bmt.org/training

\$4,950

* not including GST



DIGITAL COURSE

Course content

Equipping you with the knowledge to understand and manage all stages of warship ownership.

Naval Ships

Ship types and their primary roles, key technical design drivers and a range of technical risks.

Project Types and Lifecycle

Capability systems life cycle including acquisition options.

Capability Development

Identifying, defining and developing capability.

Requirements Management

Requirement for engineering/analysis and its role in supporting project success.

Design Process

Warship design and the various acquisition stages.

Design Control

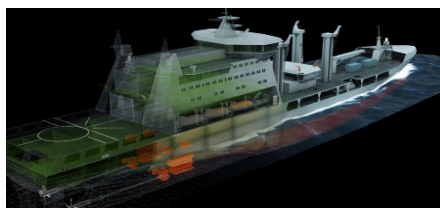
Taking a design from concept to final realisation; with focus on planning, implementation and monitoring.

Technical Review

Tender evaluation methodologies, managing uncertainty, risk and technical data.



28 modules covering the complete array of theory and practical guidance for the consideration of warship design, management, maintenance and disposal.



Test & Evaluation

RAN acceptance process and test and trials activities.

Seaworthiness & Safety

System safety management as it applies to warship design.

Cost Engineering

Cost engineering methods and their accuracy.

Cost Modeling

Detailed methods of cost engineering.

Standards, Certification and Regulation

Design standards and certification approaches for warship design and the roles and responsibilities of regulators.

Above/ Below Water Battlespace

The impact of sensors, effectors and command and control elements on the acquisition process.



Electronic Battlespace

Network centric warfare and integrated battle management.

Survivability

Technical issues and risks associated with specifying, design for and validating survivability for warships.

General Arrangement

The impact on general arrangement of design features.

Hydrostatics and Hydrodynamics

Design and support considerations relating to stability, resistance, maneuvering and sea keeping.

Power & Propulsion

Design and through life considerations and risks for power and propulsion equipment.

Structures

Structural design requirements, general arrangement and subdivision considerations and constraints.



Production

Technical issues, risks and potential consequences associated with design.

Hull & Mechanical systems

Design and integration of hull and mechanical systems and the demands from and influence on warship design.

Electrical & Control systems

Electrical systems on a warship, including power, communication and control systems.

Aviation systems

Navy's aviation capability and the complexity of aviation operations on ships, including the implications for ship design and various support considerations.

Through Life Support

Through life support strategies and the need to consider through life support at the outset of any project.