

Vessel tender specification & New build project management

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Agenda for Presentation

- Introduction to Maritime Survey Australia
- Vessel Procurement Steps
- Analyzing Needs
- Function & Performance Specification
- Project Management
- Recent new build/refit experience



Introduction to Organization

What we do, and why work with us?

• Tender Specification & Evaluation	• Vessel Procurement
• Maritime Consultancy	• New Build & Refit Project Management
• Condition and Valuation Surveys	• Stability Assessments
• Naval Architectural Services	• Plan Approval Services

Major clients

- Department of Defence
- KAUST
- Australian Border Force
- Serco Defence
- Port Authority NSW
- Transdev Sydney Ferries
- KAUST



Vessel Procurement Process

- Conduct a needs analysis
- Develop function and performance specifications (FPS) for the vessel
- Release tender for design, construction and delivery of the vessel
- Conduct tender evaluation
- Award contract for delivery
- Construction
- Delivery and acceptance trials
- Operational vessel



Needs Analysis

Understand the operational needs and performance requirements of the vessel

Early engagement with operators and interested parties

Operational Review

- What are the operational functions required for the vessel
- What does the operations involve?
- Are there any specific layout or size requirements?
- Are there any performance requirements?
- Are there any fit out requirements?
- Potential future needs



Function & Performance Specification

Key Vessel Requirements

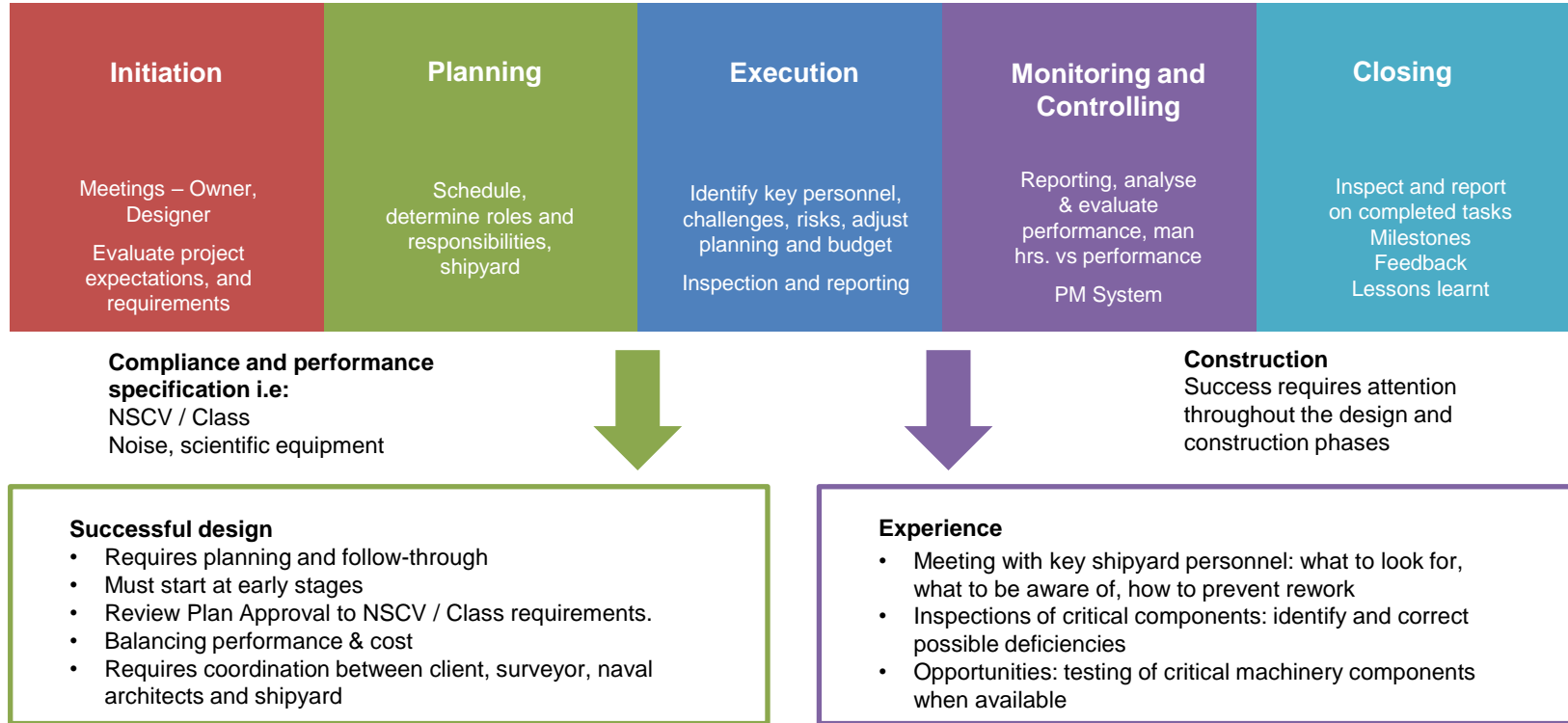
- Required range, speed, etc
- Operational area
- Accommodation and amenity requirements
- Working deck(s)
- Special equipment (cranes, helipad, ROV, etc)

Required Operational Functions

- Patrol Operations
- Security Operations
- Towing Operations
- Incident Response
- Hydrographic Survey

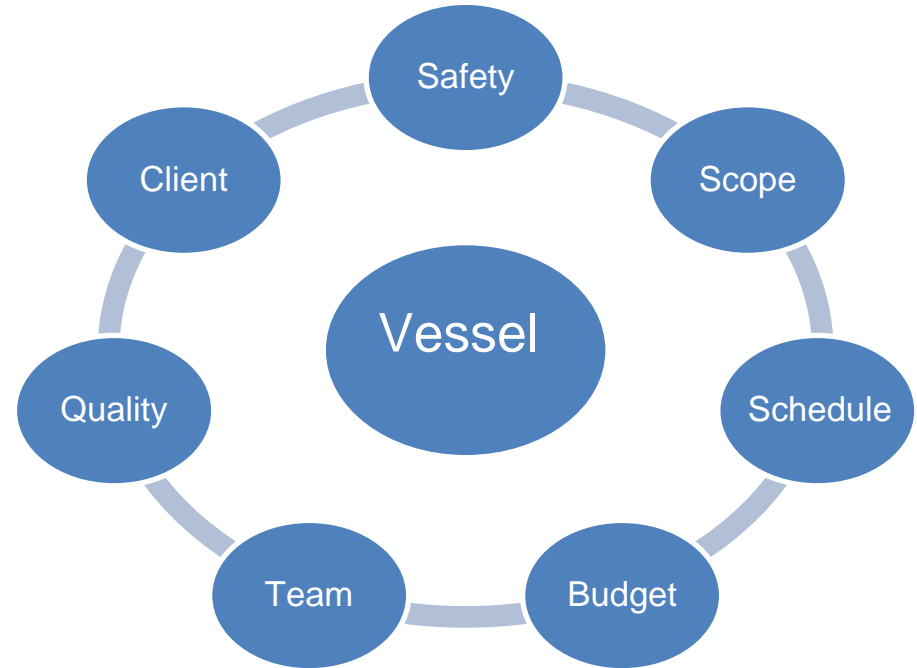


Newbuild project approach and program



Project Approach and Program - Judging Success

The vessel will be successful if it is able to deliver an enhanced marine science capability and capacity while at the same time reducing long term operational costs and downtime.





Major refit Project Management of 35m Saudi Arabian Flagged RV Thuwal

The role included, selecting a suitable shipyard, liaising with the client, shipyard, designers and contractors. MSA completed the design and project management of the new multi beam installation. Completed the final commissioning and acceptance trials to verify compliance with the contracted function and performance specifications.



SUITABLE SHIPYARDS FOR DRY DOCKING WORKS

Summary: Ocean Time Marine have assessed several shipyards that have the capacity to meet the requirements of the RV Thuwal Phase 2 Upgrade. The suitable shipyards has been narrowed to the four listed in the following table and have been given a star rating.

Shipyards	Location	Availability	Quality	Price
Genova (Amico) www.amicoshipyard.com	★★	★★★★	★★★★	★★★★
Viareggio (Lusben) http://lusben.com	★★	★★★★	★★★★	★★★★
Palma De Mallorca (STP) www.stp-palma.com	★	★★★★	★★★★	★
Antalya (Sunrise Yachts) http://www.sunriseyachts.com	★★★	★★★★	★	★★★★



Capacity - MSA Experience

Vessel Procurement Support and Project Management / Client Representation



- Develop tender specification and revision
- Superintendency
- Client representation
- Inspections & reports to ensure compliance with specifications and applicable standards (NSCV)
- Identify risks and mitigation
- Business case for funding
- Selecting vessel builders
- Fleet replacement program
- Plan approval



Thank you

Any questions?

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