



Better Together – Delivering Naval Capability Differently



Captain Dave Jones Royal Navy
Navy Type 31 International Team Lead



Scope

- Context
- Case Study 1 – Type 31
- Case Study 2 – MIECZNIK
- Themes & Conclusion
- Questions & Discussion



Context

“...we will deepen our co-operation and increase alignment with both our core allies and a wider group of partners.”

(UK Integrated Review Refresh 2023 Responding to a more contested and volatile world)

“We find ourselves at the dawn of this new era Moving from a post-war to pre-war world.”

(UK Secretary of State, January 2024).

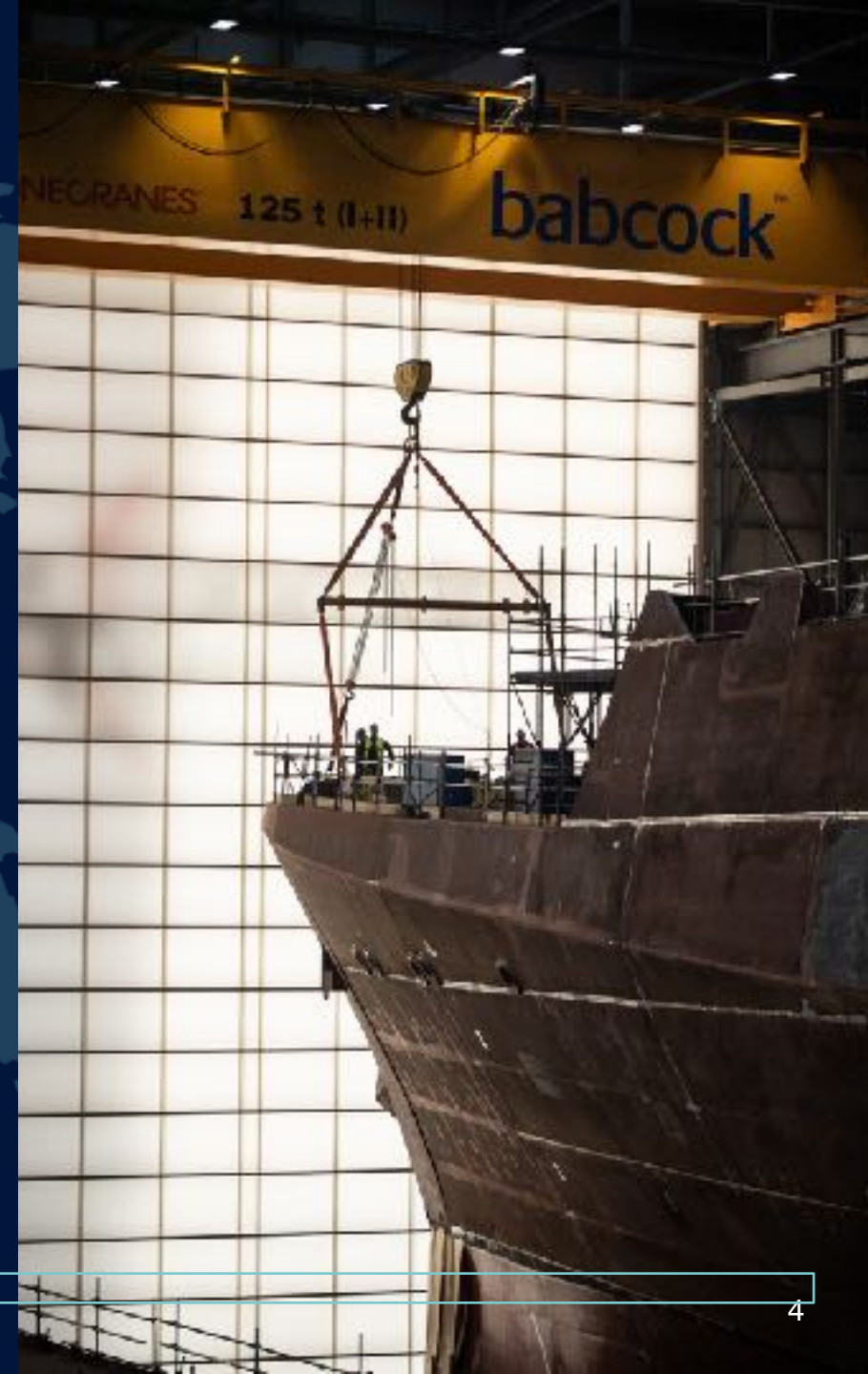
“... the necessity to both think and act globally reinforces the need to make interoperability the cornerstone of our naval partnerships.”

(UK Secretary of State, May 2024)



Benefits of Collaboration

- Shared Research & Development of new technologies
- Joint Requirements definition
- Greater opportunity to influence Industry & find solutions
- Shared Design and overhead costs
- Shared Production risk
- Opportunity to learn together
- Opportunities beyond Ship procurement:
 - Training
 - Learning
 - Doctrine
 - Logistics
 - Facilities
 - Supply Chain
 - Through Life Sustainment and Update



Case Study 1 – UK Type 31



- Pathfinder for the National Shipbuilding Strategy
- An opportunity to reset Shipbuilding procurement by the RN
 - Free up Industry to deliver
 - Test the market
 - Seek Innovation
 - Minimal constraints
 - Restrain Customer behaviours
 - Clear Requirement
 - Considered weighting of value
 - No Change!
- Adaptable and Flexible by design
- Finding opportunities to co-operate was always core to the programme
- Accepted the risk of 'Different' to maximise chances of success



T31 Facilities – Increasing Productivity & Collaboration



Case Study 2 – MIECZNIK

- Poland's Flagship Naval programme
- UK response:
 - Polish success benefits HMG, RN and Industry
 - A 'Whole Force' team effort
 - Understand our Partner's needs and aspirations
 - Set a clear Aim for all parties
 - Long-term, sustained commitment to Polish success
- What worked:
 - Open Communication – 'no surprises'
 - Co-operation to present a Capability
 - Worked hard to provide coherent and credible options
 - Flexibility to deal with Events
 - Honesty & Realism





The Arrowhead Design Lineage



Platform Design Process (Functional / Detailed etc.)



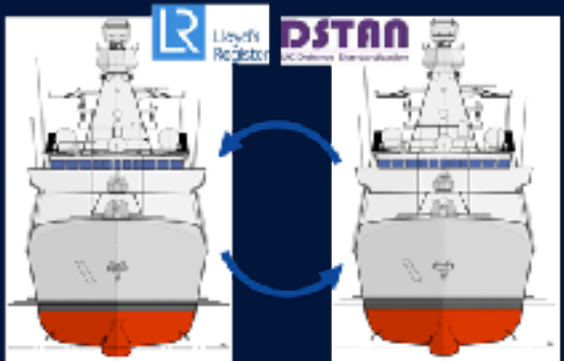
Iver Hultfeldt Class
Parent Reference Design

Examples of various 730 Design Process, followed by 740g from a known design (DNV)

Complete to meet ANSOP-27

Adjustment to meet ANSOP-27

Special Purpose II Central Charter



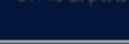
ARROWHEAD-140 Product



Type 23 Frigate Design
AH-140 Reference Design



AH-140 Indonesia Design



AH-140 Export



AH-140 Poland Design

T31 International Collaboration

- Inter-Government agreement with DENMARK to share knowledge & experience
- Industry to Industry co-operation with INDONESIA to develop MERAH PUTIH
- Governmental and Industrial agreements with POLAND to develop MIECZNIK class, share knowledge & experience, and develop interoperability
- Global Support & Sustainment are UK priorities for development
- Arrowhead User Group – joint Government & Industry body to develop links & relationships in areas of shared interest, exchanging experience and developing good practice



Summary

- Greater collaboration is not an automatic guarantee of greater success.
- Success requires:
 - A Clear direction and focus – alignment of agendas and goals
 - Recognition that this is a team effort
 - Open & respectful communication between Partners, Government, RN & Industry
- Understand Partner's requirements and success criteria – not just military capability
 - UK requirements for T31 programme were in the context of NSbS
 - Other Customer constraints - industrial policy / capacity
 - Outside Build – through life, training, knowledge?
- Credibility with potential Partners– honesty and transparency about what is possible.
- Presentation of a Capability, for example:
 - Platform
 - Combat System
 - Missile System
 - Government wrap
 - Support to Industry
 - Support to Partner
 - Support before, during, and after Build & Delivery
- Importance of flexibility and adaptability



Opportunities

For Industry:

- Recognise priorities – Prepare to deliver quicker vs bespoke solutions
- Provide choices
- Deliver solutions
- Embrace a Whole Enterprise approach

For Government:

- Clear priorities and requirements
- Embrace a Whole Enterprise approach
- Recognise the possibilities of Collaboration with partners:
 - Research, Development, Options, Design
 - Procurement, Programme, Engineering
 - Personnel, Training
 - Regional Operations, Logistics, Supply Chains & In-Service Support
 - Doctrine, Information, Learning together



Conclusion

“We will start to consider new projects’ value to our partners worldwide, as well as for our own economic needs. Above all, we will look beyond the mere transactional. The nations I speak to are asking for deeper, more meaningful bilateral partnerships. Partnerships that support capabilities through life and help develop smarter and leaner industrial bases in key regions.”

(UK Minister of Defence Procurement, September 2023)

