

The next generation polar vessels





- RV Kronprins Haakon
- Owner: Norwegian Polar Institute, UiT and IMR
- Operator: Institute of Marine Research
- Yard: Fincantieri
- LoA 100 m
- Breadth 21 m
- Accommodation for 55 crew and scientists

- RRV Sir David Attenborough
- Owner: NERC, National Environmental Research Council
- Operator: BAS, British Antarctic Survey
- Yard: Cammell Laird
- LoA 129 m
- Breadth 24 m
- Accommodation for 90 crew and scientists







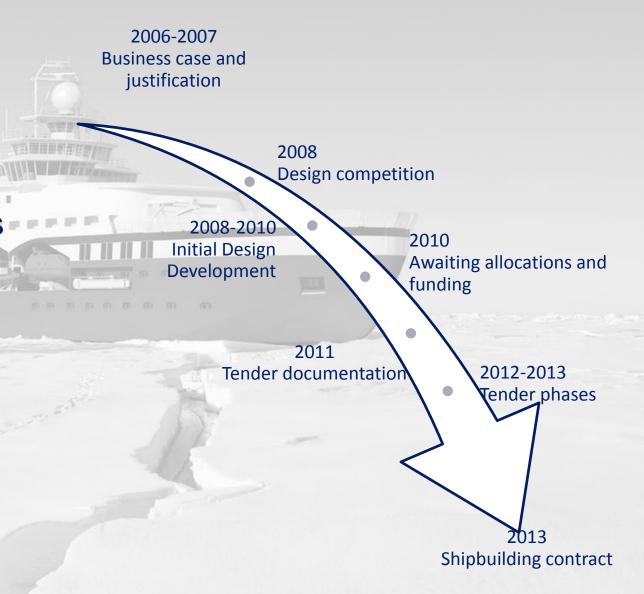
Stakeholders Ministry groups Government and Ministry groups Universities Scientific Vessel institutes operator Universities Balanced technical Requirements Picture: Norsk Polarinstitutt



The time factor

Impacts on:

- Rules and Regulations
- Technology changes
- Changing Owner requirements
- New budget Owners
- Continuity in project teams





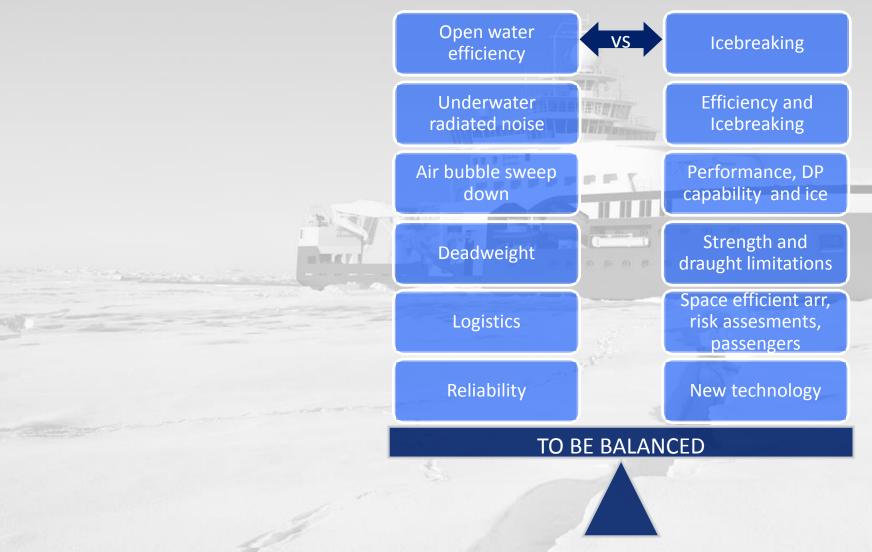
Combining different roles

- Icebreaker and cold climate operations
- Oceanographic Research
- Passengers/Special Purpose Personell
- Cargo/Logistic vessel
- Dangerous goods
- Helicopter operations
- Emergency rescue

It is the Ship Designers responsibility to capture the requirements and to balance contradictions.



Contradictory requirements

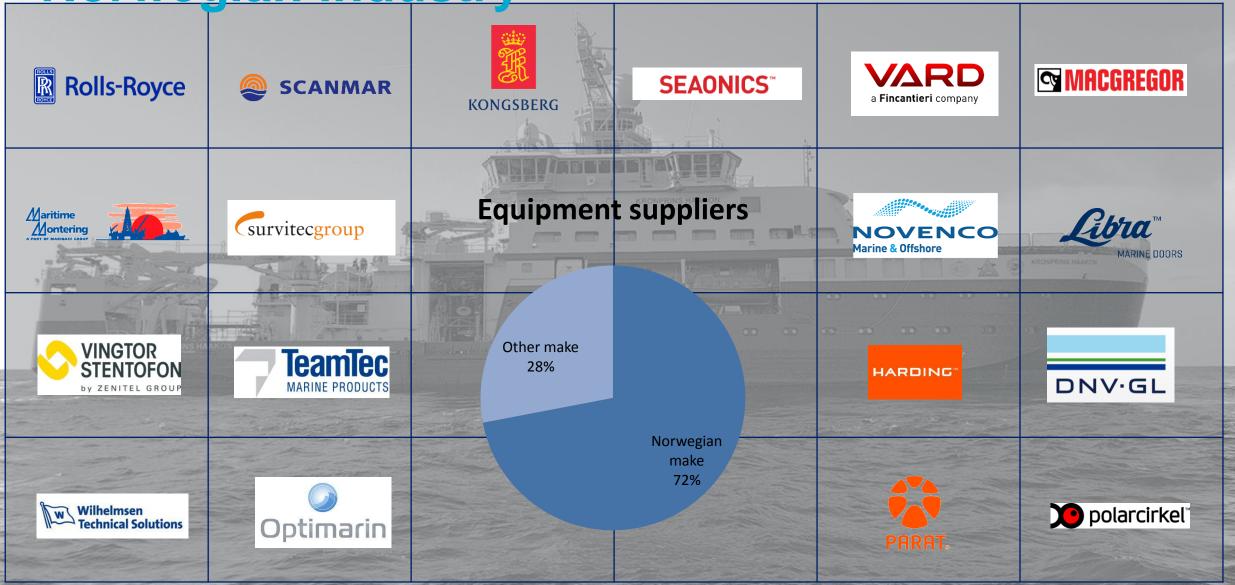




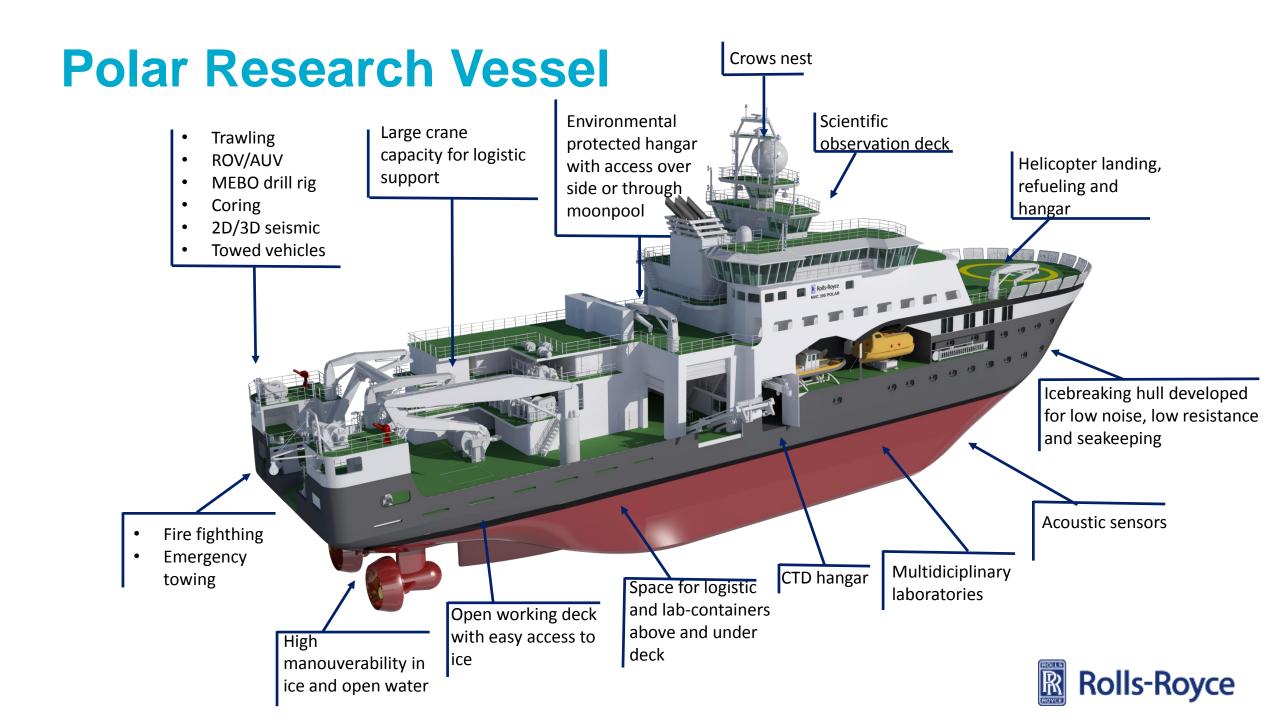




Norwegian industry







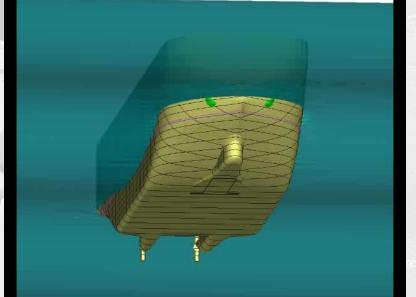
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