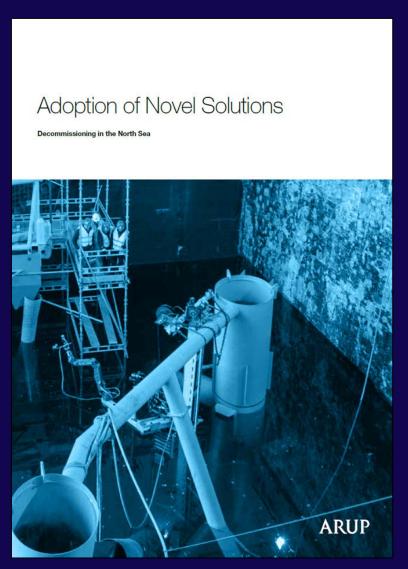
The Adoption of Novel Solutions

SUTS/MASTS 6th October 2017



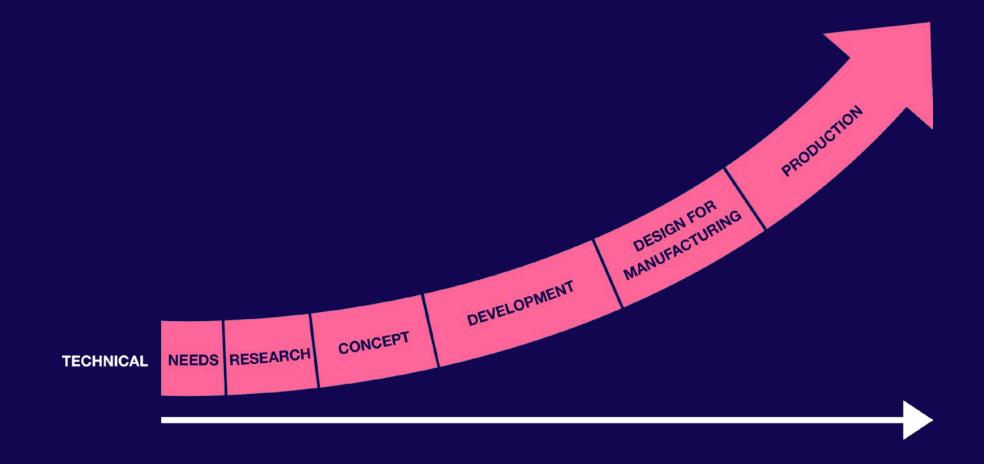
"Adoption of Novel Solutions" for Decom North Sea

- Barriers and challenges to adoption of novel solutions in O&G offshore decommissioning
- Process for commercialisation
- Recommendations for overcoming barriers



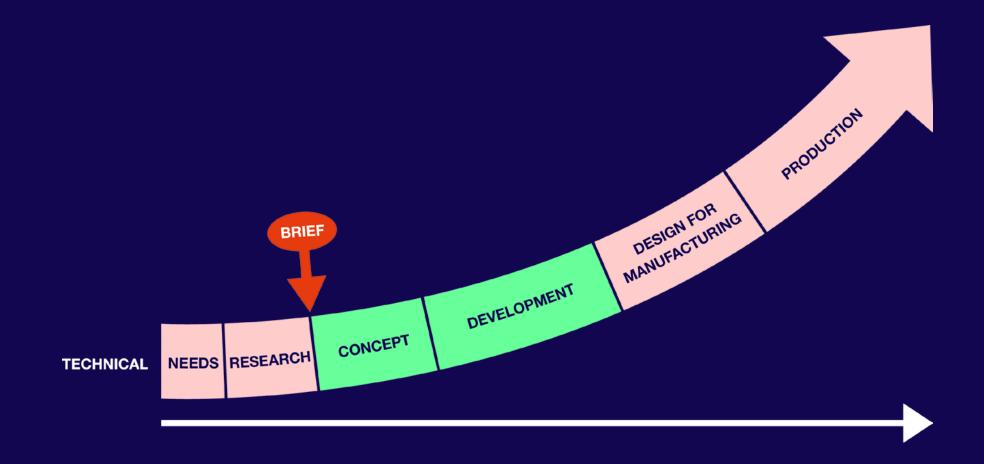


Development Process for Innovation

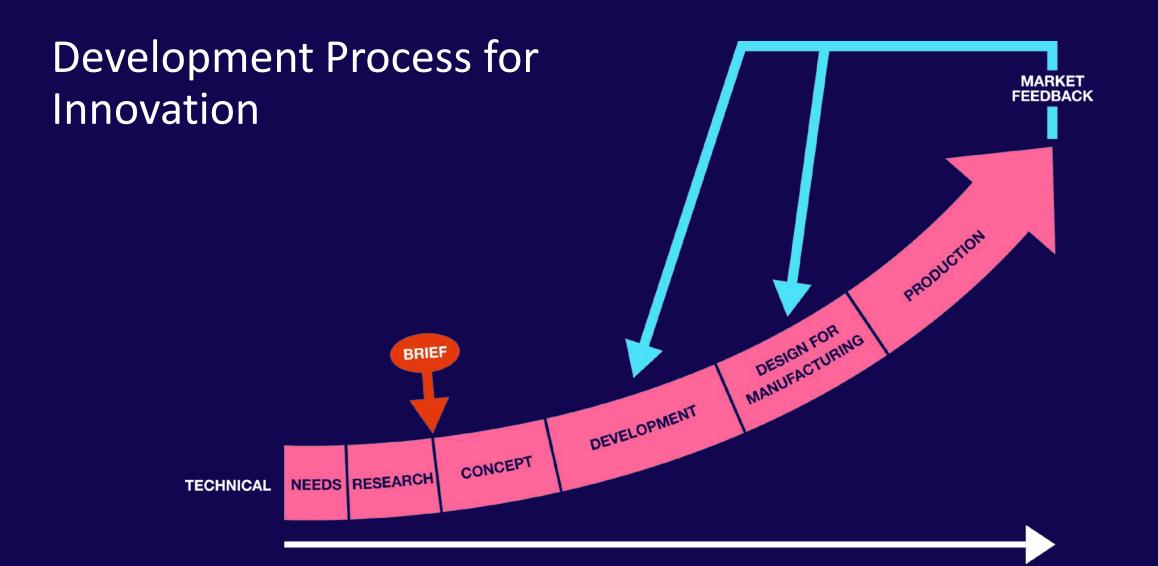




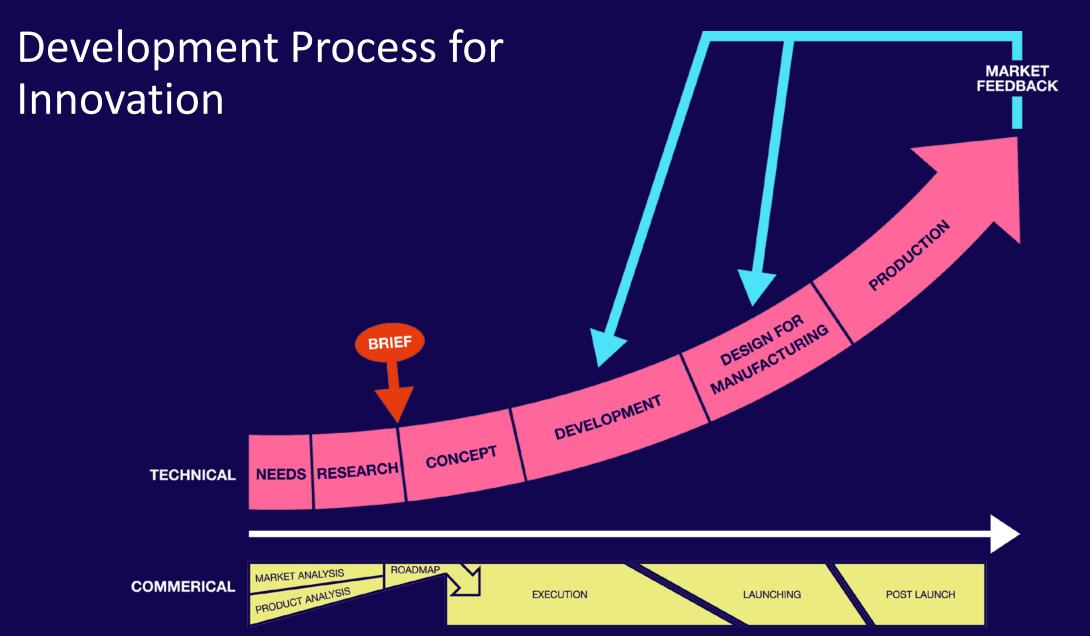
Development Process for Innovation



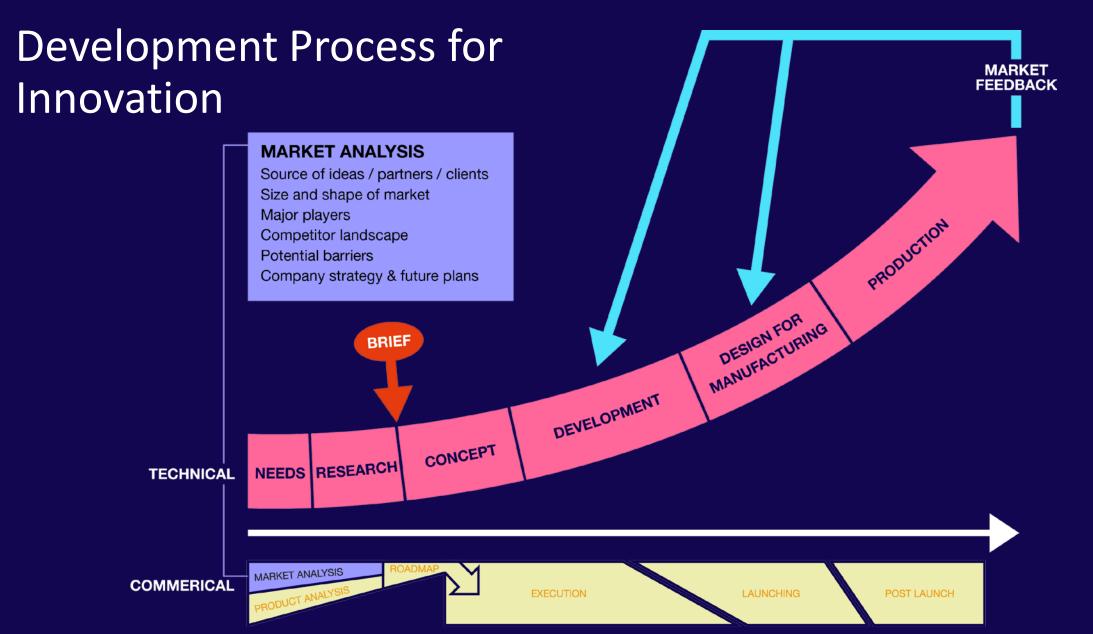




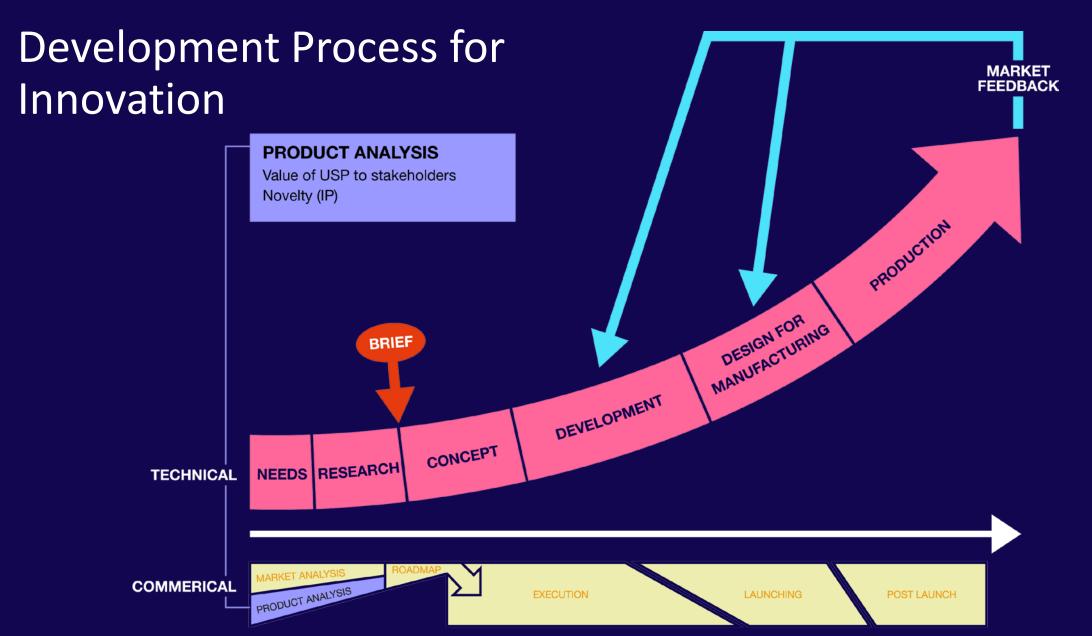




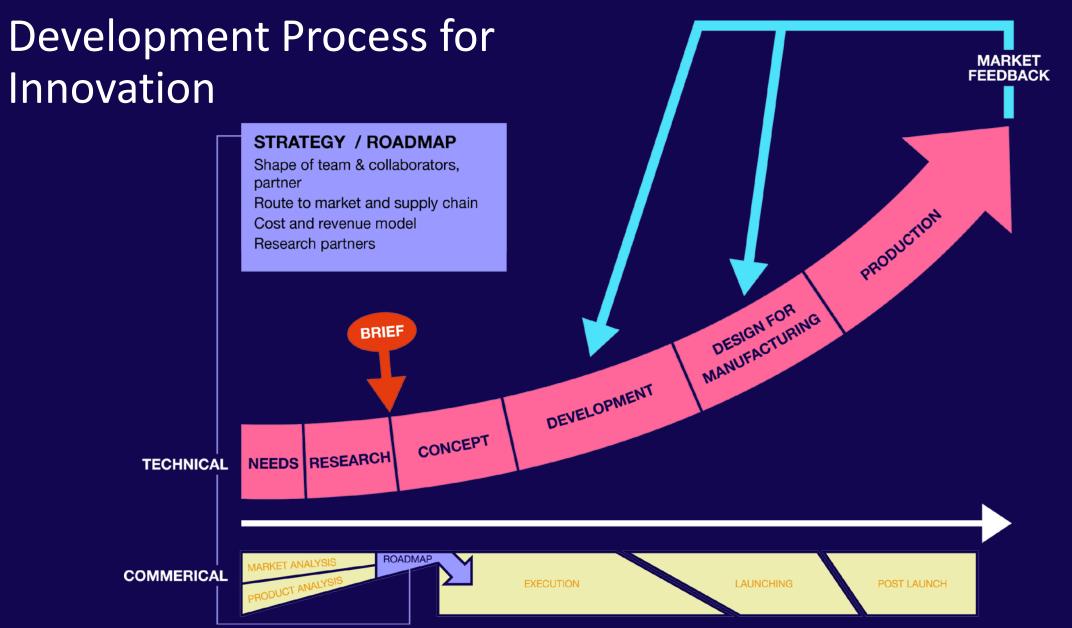




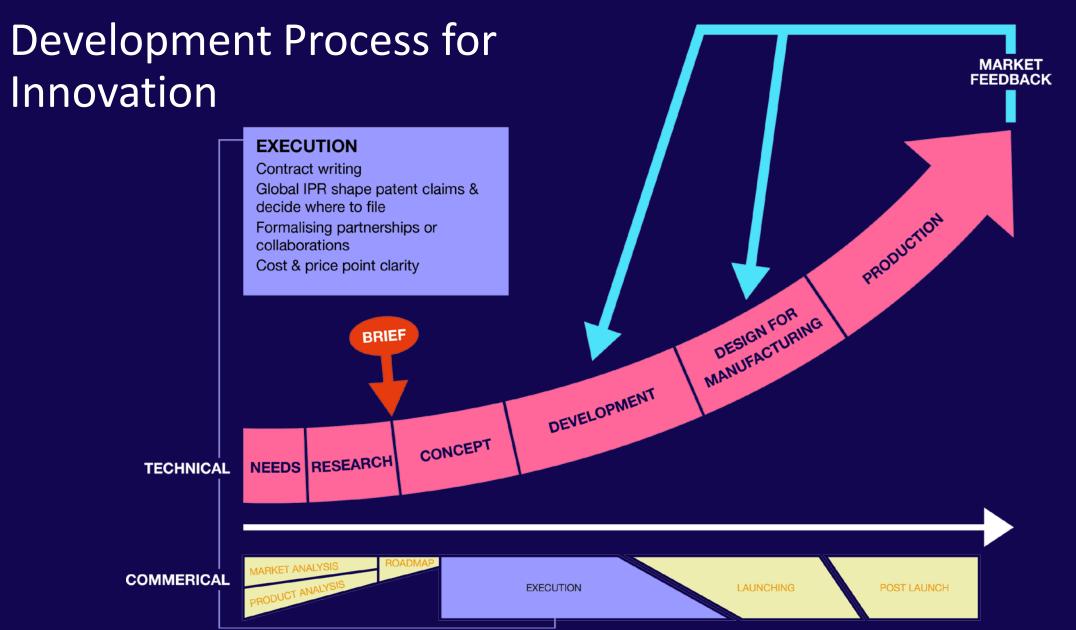




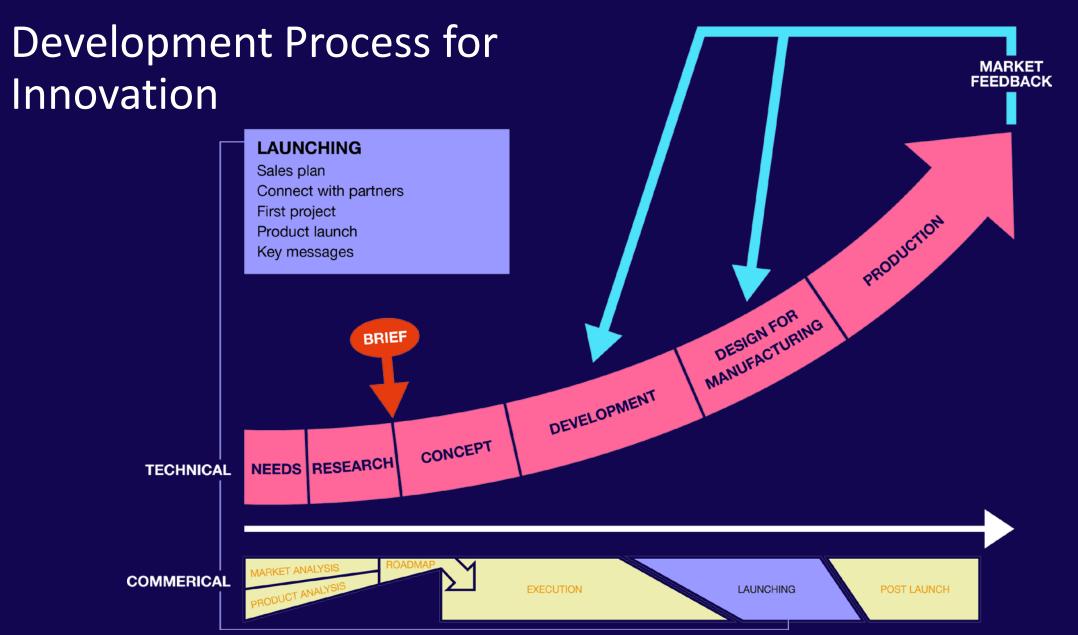




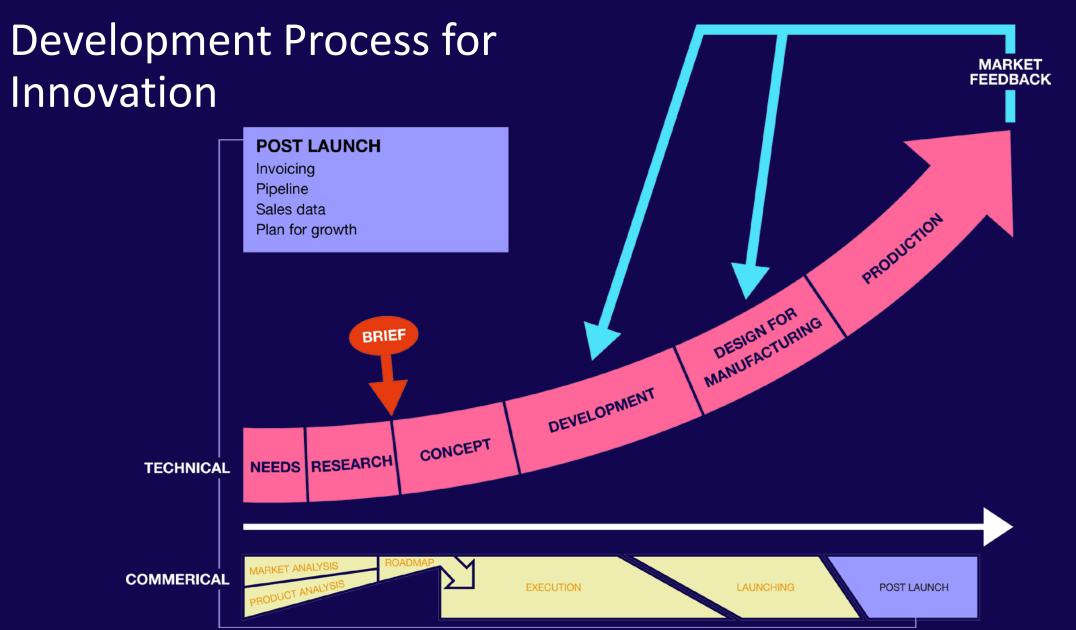










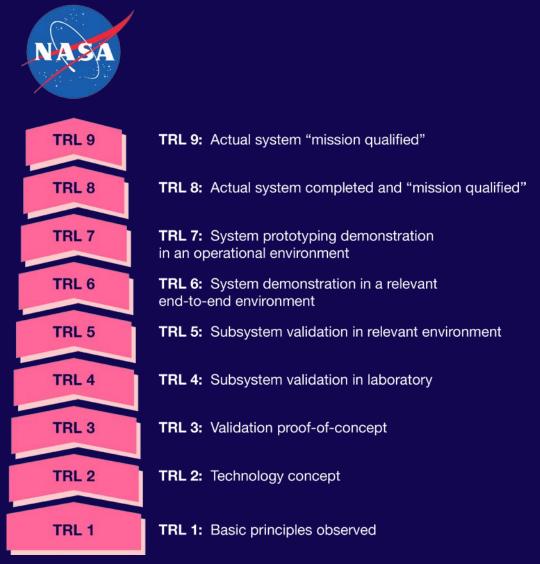




Technology Readiness Levels

Mapping development against standard Technology Readiness Levels:

- Provides a useful framework for developers
- Informs funders and clients of status of technology development





Key Recommendations

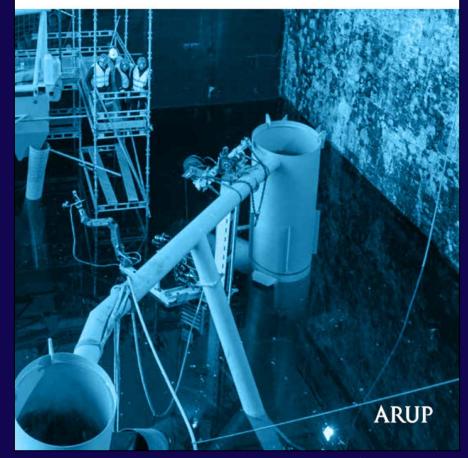
Regulators & Industry Bodies	Purchasers	Innovators
Promote an innovation culture	 Better understand risks associated with innovation 	 Undertake sufficient market analysis and development planning
 Harmonise requirements and standards with international counterparts 	 Adopt culture of openness to innovation, particularly in procurement 	 Early engagement with end-user operational teams
 Encourage funding agencies/innovation centres to make decommissioning a priority 	 Early engagement with innovators, while respecting intellectual property 	 Adopt a 'structured' approach to development to attract investors and end-users
	 Consider risk/cost sharing, JVs and partnerships 	Consider novel contracting approaches



Adoption of Novel Solutions

Decommissioning in the North Sea

http://publications.arup.com/publications/a/adoption_of_novel_solutions_-_decommissioning_in_the_north_sea



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