



Interreg



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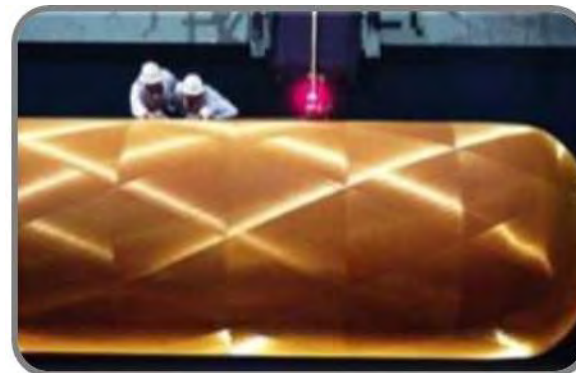
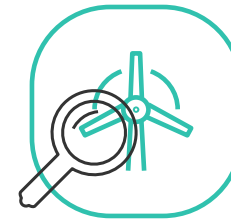
FINAL MEETING – HYBRID, 23<sup>RD</sup> OF NOVEMBER 2021

LUC MOUTON, BUREAU VERITAS

**CONCLUDING REMARKS**

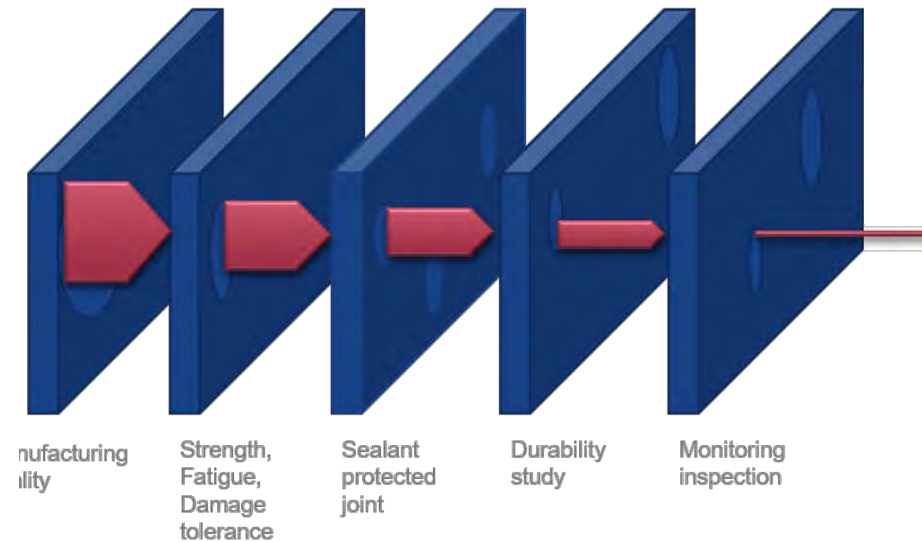
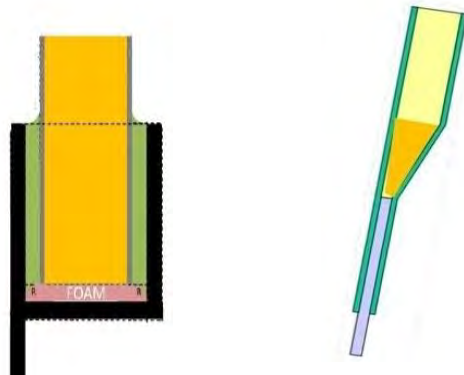
# 07 GUIDELINES

- Classification societies should accompany Owners, Yards, Designers
- Rules should allow de-risking and certifying
  - state of the art techniques
  - innovations
- World of composite and adhesive is vast and associated possibilities even vaster



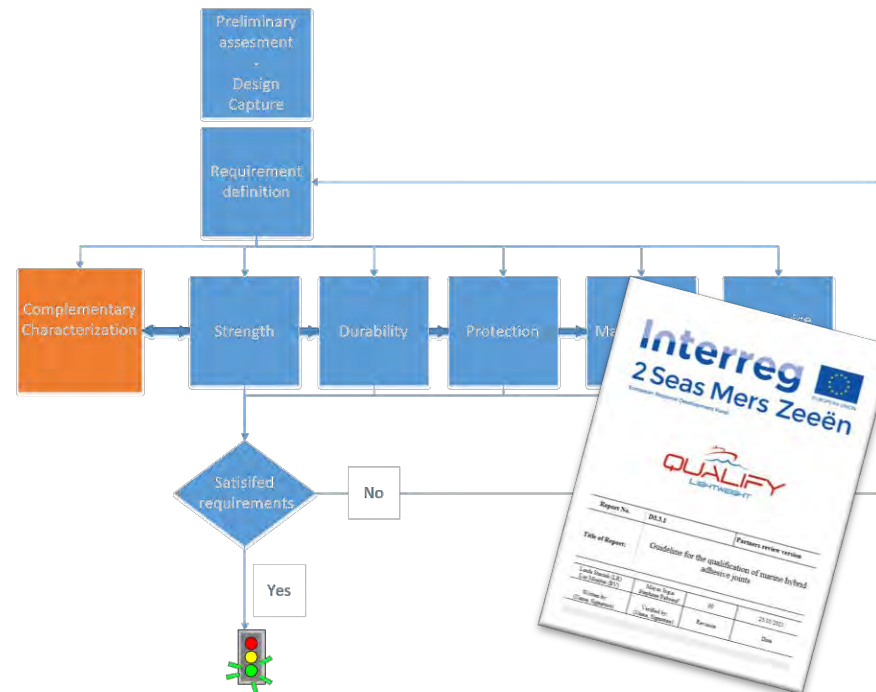
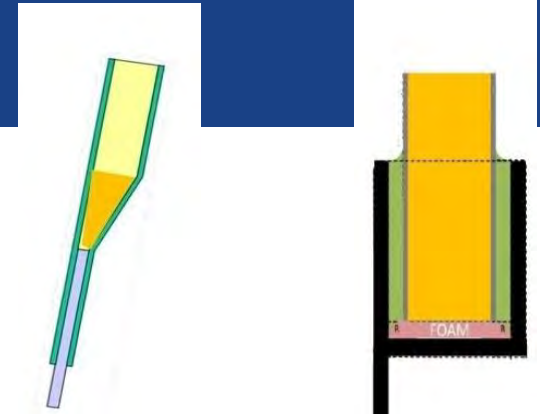
# 07 GUIDELINES

- Qualify studied 2 widely different connections composite to steel
- Close collaboration between **Lloyd's Register** and **Bureau Veritas**
  - highlighting **reliability pillars to equivalence with steel connections**
- Team up with **experts** to study the pillars of reliability
- Understanding the workings of the degradation / strength phenomenon
  - Build relevant guidance



# 07 GUIDELINES

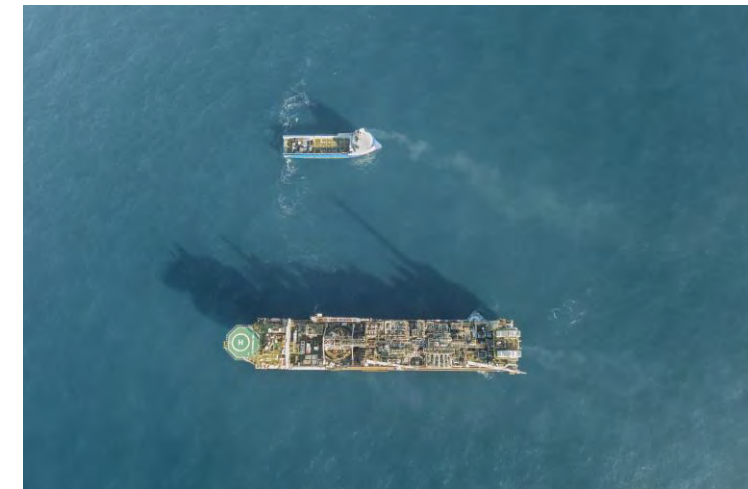
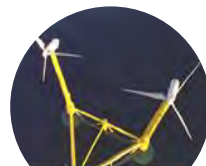
- Study of two very different joints
  - ➔ Guideline open and ready to embrace different solutions
  - ➔ Goal based construction
- Guideline ambitions to define the requirements, understand mechanism, and roadmap qualifications





# FUTURE VIEWS

- In the future and for Classification Societies
- **Continue** the work toward **certification of application cases** using the knowledge from Qualify
- **Use the guideline** to **produce Rules** on adhesively bonded hybrid joints for primary structures
- **Continue participating** to projects such as RAMSSES, FIDAC, FIBREGY, FIBRE4YARDS, STRENGTH BOND, ...
  - Learn, restate in the form of guidelines
- Accompany Owners, Shipyards, designers with new innovative projects





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THANK YOU