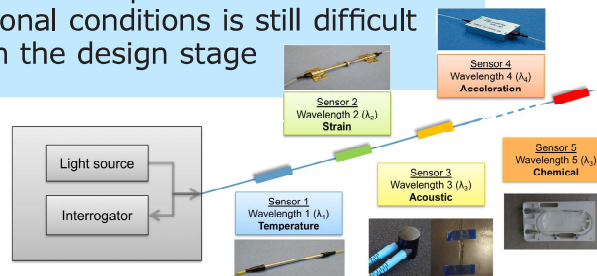


SMART Sensors SMART Structures

sensors for digital twins

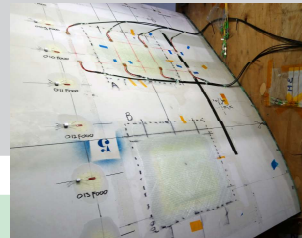
Challenge

The behavior of composite structures in real operational conditions is still difficult to predict in the design stage



How

Innovative embedded sensors in combination with digital twins is the solution for predictive engineering & minimized maintenance. We will develop & test a robust measurement systems based on fiber optics & piezo electrics performing reliable in maritime environment.



Impact

- Minimized total cost of ownership
- Increased understanding of structural performance
- Increase safety, availability and predictability
- Reduced design uncertainties