



COSICO

MODELLING THE BEHAVIOUS OF STRUCTURAL BONDING IN OFFSHORE MRE SYSTEMS

The COSICO project aims to establish a behaviour modelling approach for bonding between parts in MRE generation structures. This modelling is called for due to the flow speed and temperature of seawater and should take into account the influence of ageing on materials in a damp environment.

This approach will reduce the amount of testing needed to identify a model suited to the scale of these structures. The project will therefore reduce both the cost and the time required for this identification. It will also take into account the effect of ageing on the mechanical properties of the adhesive. This will in turn enable designers to combine a robust, efficient approach to such structures with a knowledge of their long-term behaviour.

Partners

Companies

Florian Madec Composites, Brest
RESCOLL, Pessac

Research centers

ENSTA Bretagne, Laboratoire LBMS,
Brest [\[Project Developer\]](#)
École Nationale Supérieure des Arts et
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Ifremer, Brest
Université de Strasbourg, Laboratoire des
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