

RESHELIANCE

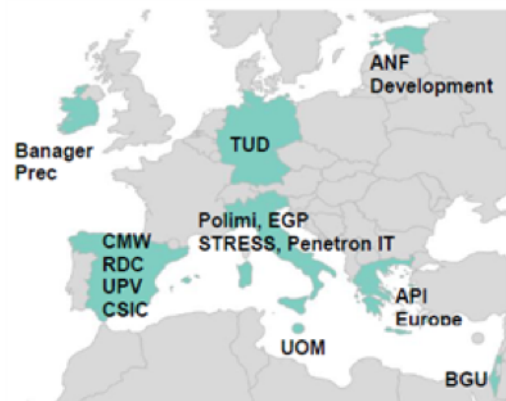


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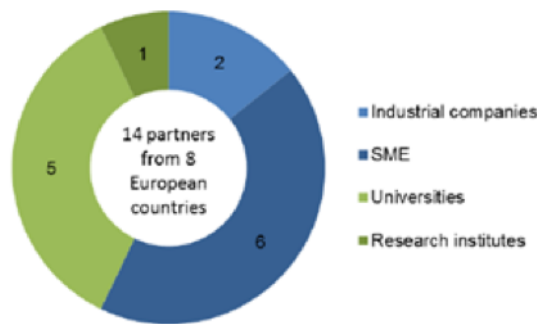
Rethinking coastal defense and green energy service infrastructures through enhanced durability high-performance cement based materials

Description

Cyes Maritime Works participates as co-leader in the European Project ReShealience – Rethinking coastal defence and green energy service infrastructures through enhanced durability high-performance cement based materials, granted by the European Union for a 14 entities from 9 different countries.

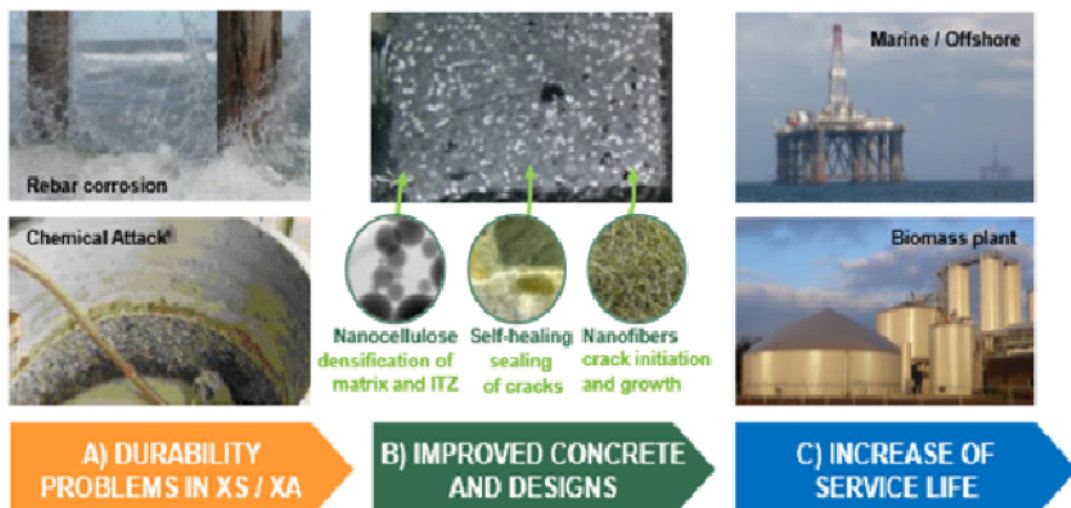


Project Consortium



When exposure conditions of materials are extremely aggressive innovative solutions are required to improve their service life and durability.

ReSHEALience proposes, by means of the study of new compositions and functionalities, the development of innovative concepts for the construction of new structures or the refurbishment of existing ones exposed to marine environment by means of a new design methodology based on durability.



Scheme about the markets addressed by the projects

During 2019, CMW will build its project prototype consisting of a concrete floating platform for offshore applications that meets the requirements of ultra high durability established in the frame of the project.

Objectives and improvements

The aim of Reshealience project is to develop new materials with self-healing properties without human intervention in a short period of time. These materials should produce a triple impact:

- Cost savings: avoiding maintenance costs and waste management
- Comfort: avoiding the infrastructures to be out of service
- Safety and prevention: avoiding damage and/or dangerous repairs

Résultats

Projet en cours.

Plus d'informations sur le site web du projet : <https://uhdc.eu/consortium/CYES/>

Ce projet est financé par le programme de recherche et d'innovation Horizon H2020 de l'Union européenne, au titre de la convention de subvention n °760824.



IVACE a accordé à Cyes Maritime Works, une aide à la préparation du projet Reshelience, dans le cadre de son programme d'aide à la préparation de propositions de projets de R & D pour le programme européen H2020.

