

[View this email in your browser](#)



## WELCOME ADDRESS

**Welcome to the MAREWIND Newsletter.  
Always moving forward!**

Our journey started in December 2020. Since then, countless people have visited our channels to be up to date with the MAREWIND' activities. Thank you!

And now, we are so happy you are reading the third newsletter of the MAREWIND project. For this reason, today, our mission is to provide you with an overview of the latest results.

**During the first 18 month of the project, WP2 "Fabrication and testing elements individually" has been completed and the second milestone of the project has been successfully achieved!**

Keep reading!



## MAREWIND TOWARDS A MORE ECONOMIC AND SUSTAINABLE OFFSHORE WIND SECTOR

MAREWIND solutions will pave the way for the next generation offshore wind generators and facilities that aim to solve the **technological, economical, business, and societal challenges** we are now facing. In addition, it will strengthen the leading role of Europe in the global offshore wind market with current 22,072 MW of installed cumulative capacity, followed by Asian and North America markets.

Watch [the video](#) and learn more about the MAREWIND's journey!

## MAREWIND 18th month progress



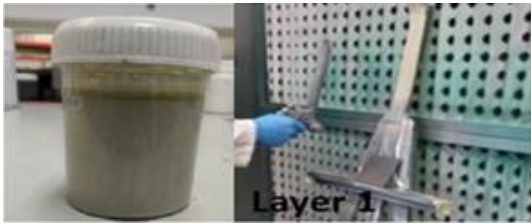
It has been a busy and productive first phase of the MAREWIND project. Since its launch in December 2020, the MAREWIND team has been working hard on progressing to achieve the ambitious goals.

On 22-23 June, the MAREWIND consortium gathered to discuss the project status and progress.

[Read more](#)

# PROJECT PROGRESS SO FAR

Fabrication and testing elements has come to an end!



**Anticorrosion coatings for metallic elements**

The [MAREWIND Consortium](#) has been working on the development of an **anticorrosion coating for key metallic elements**. The coating consists of three layers with different chemical compositions and, therefore, different corrosion protections.

[READ MORE](#)



**Developing a fouling-preventing coating for offshore**

[LUREDERRA](#) and [TECNAN](#) have been developing a fouling-preventing coating for different materials of offshore structures that are submerged. It has been characterized at laboratory scale.

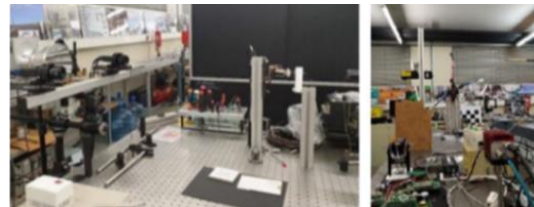
[READ MORE](#)



**Antierosion superhydrophobic PU coating for blades**

Based on the commercially available systems, the selection of the **wind turbine blade coating** for trials was undertaken. To achieve the desired repellence and erosion resistance, [TWI](#) has incorporated functional additives into the selected coating matrices.

[READ MORE](#)

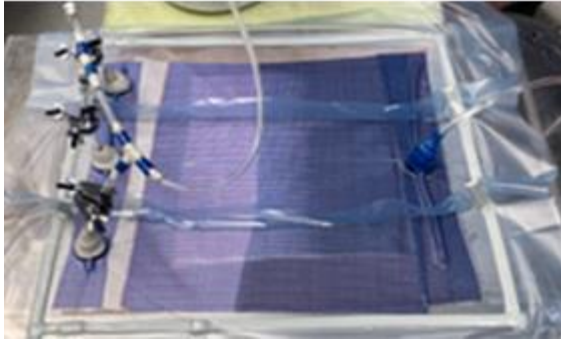


**Progress on predictive modelling and SHM**

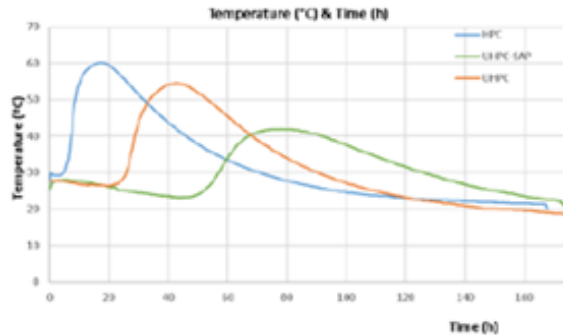
Based on the commercially available systems, the selection of the **wind turbine blade coating** for trials was undertaken. To achieve the desired repellence and erosion resistance, [TWI](#) has incorporated functional additives into the selected coating matrices.

[READ MORE](#)

## WHAT ELSE?



**Reinforcing composites production**



**Synthesis of new concrete materials**

[EIRE](#) defined a preliminary **material test matrix** that is being used to test the initial **epoxy-SiO<sub>2</sub> resin** formulations developed by [TWI](#). A final material test matrix was also defined to generate a material datasheet for the chosen epoxy-SiO<sub>2</sub>.

In addition, [CETMA](#) produced **recyclable composite laminates** to compare properties of innovative composite laminates with the traditional ones.

[READ MORE](#)

[ACCIONA](#) and [CETMA](#) developed the design of high and ultrahigh performance concretes and Alkali Activated concretes, respectively, that fulfil offshore infrastructures requirements. Moreover, durability characterization and standard concrete ageing at real environment exposure were tested.

[READ MORE](#)

## UPCOMING EVENTS

**REOTech 2022 - International Conference on Renewable Energies and Ocean Technologies**

**When:** September 12-14, Porto.

**Partner:** INEGI is involved as participant and promotor of a symposium with the scope of Marewind.

**More information** [here](#).

## MEET THE CONSORTIUM



[Read more](#)

## FOLLOW US FOR MORE UPDATES



Copyright © 2022 MAREWIND, All rights reserved.

Want to change how you receive these emails?

You can [update your preferences](#) or [unsubscribe from this list](#).

This email was sent to <<Email Address>>  
[why did I get this?](#) [unsubscribe from this list](#) [update subscription preferences](#)  
PNOi Be · Excelsiorlaan 51 · Zaventem 1930 · Belgium

Grow your business with  mailchimp