

# ***FIBRE*** ***YARDS***

*SHIPYARD FOR  
THE FUTURE*

**Final Dissemination Event**  
**13 December 2023**  
**Technocampus Océan, Nantes, France**



This project has received funding from European Union's Horizon 2020 research and innovation programme under grant agreement n° 101006860





# FIBRE4YARDS

## Defining the future of shipbuilding

### Xavier Martinez

International Center for Numerical Methods in Engineering (CIMNE)

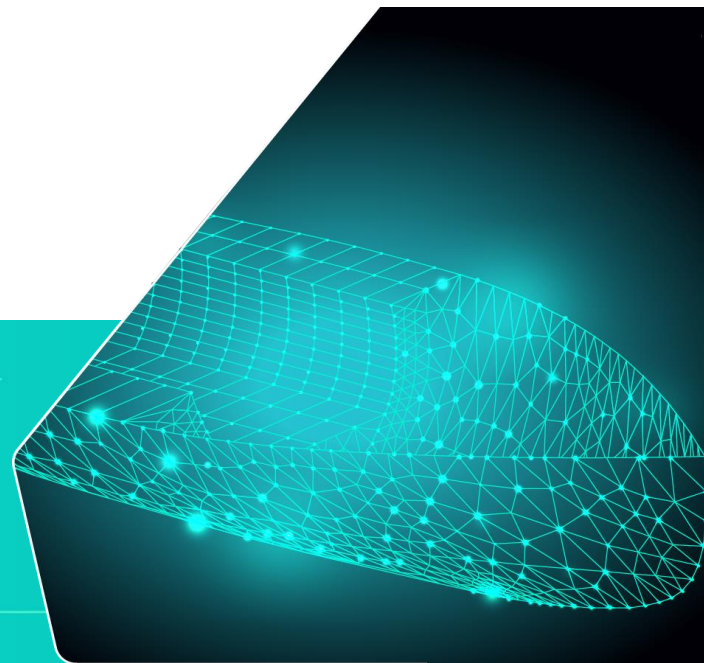
### Final Dissemination Event

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# 3 YEARS AGO

13 PARTNERS, from 6 EU COUNTRIES

GATHERED TOGETHER TO  
REDEFINE SHIPYARDS WORKING  
WITH COMPOSITE MATERIALS

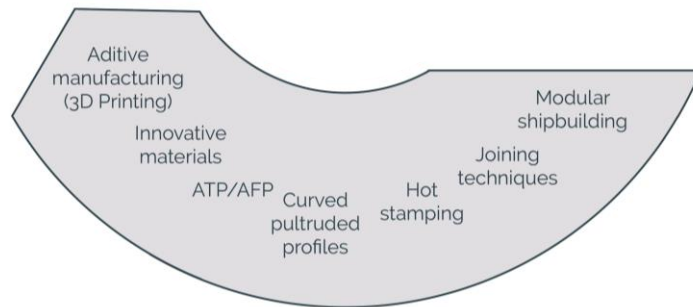
**Today** we are here to show you  
the results obtained in



Which are aimed to help you to introduce  
the **new technologies** developed in the  
**shipyard** and in the **shipbuilding process**

**To achieve this  
goal, the project  
has grown  
supported in  
three main pillars**

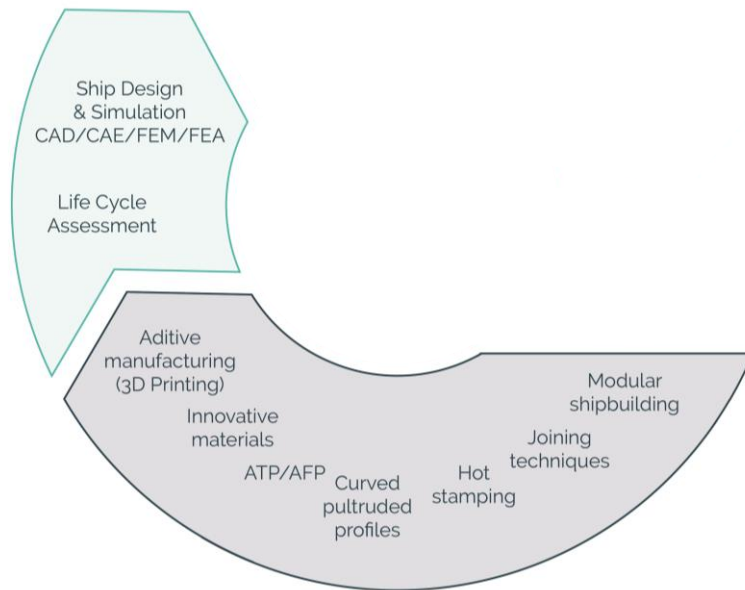
**To achieve this goal, the project has grown supported in three main pillars**



**Advanced Manufacturing Processes and Materials**

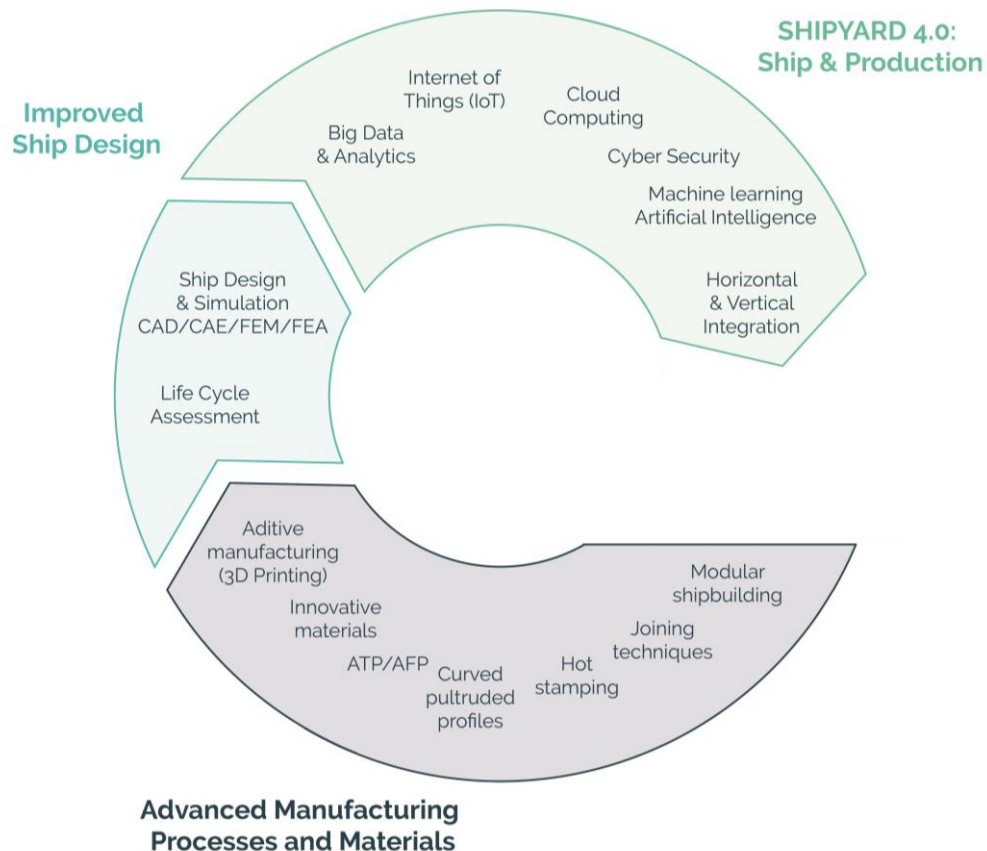
**To achieve this goal, the project has grown supported in three main pillars**

**Improved Ship Design**



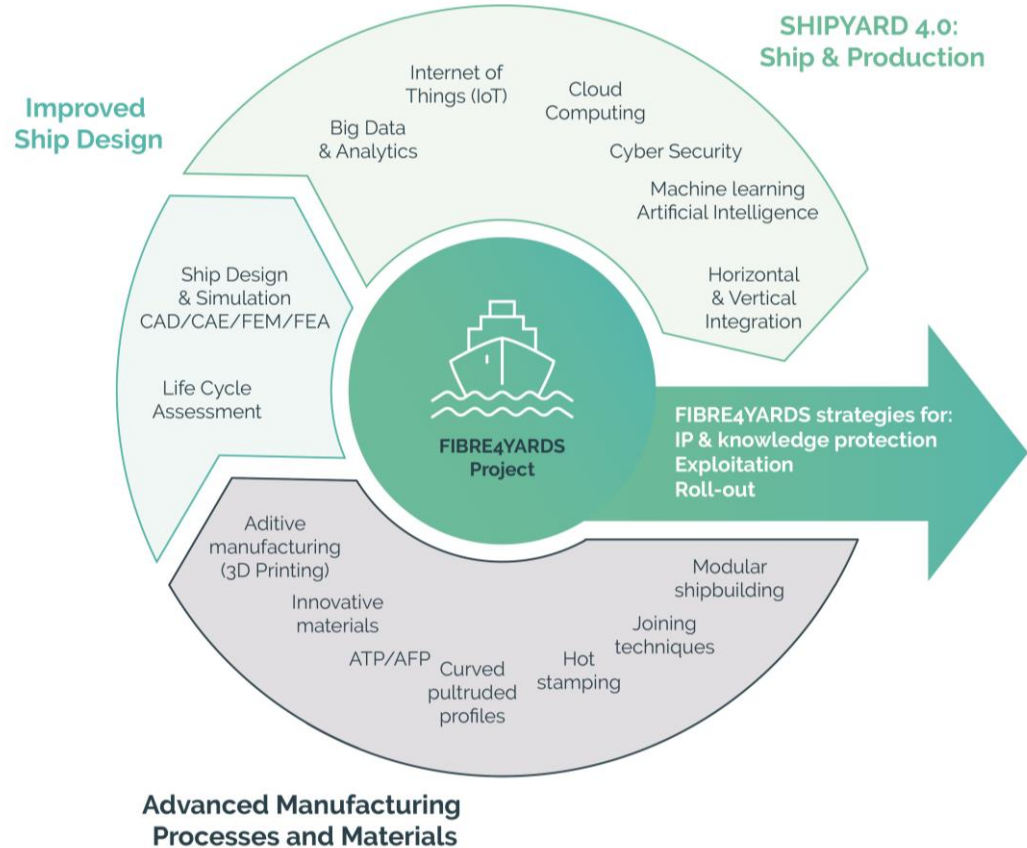
**Advanced Manufacturing Processes and Materials**

**To achieve this goal, the project has grown supported in three main pillars**





**To achieve this goal, the project has grown supported in three main pillars**



**By developing these pillars, we expect to have a shipyard that is**

# By developing these pillars, we expect to have a shipyard that is



**COLLABORATIVE**

# By developing these pillars, we expect to have a shipyard that is



**COLLABORATIVE**



**DIGITALIZED**

# By developing these pillars, we expect to have a shipyard that is



**COLLABORATIVE**



**DIGITALIZED**



**AUTOMATED**

# By developing these pillars, we expect to have a shipyard that is



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**DIGITALIZED**



**AUTOMATED**



**EFFICIENT**

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**COLLABORATIVE**



**DIGITALIZED**



**AUTOMATED**



**EFFICIENT**



**ENVIRONMENTALLY  
FRIENDLY**

# The results of the project will be presented as follows

Start time	Presentation
11.00	FIBRE4YARDS. Defining the future of shipbuilding
11:15	Advanced Manufacturing Technologies for Composite Ships
12:00	Ship design accounting for production and environmental factors
12:20	OSI4IOT: The new shipyard 4.0
12:40	Advantages of FIBRE4YARDS approach. Cost Benefit Analysis

Lunch



# The results of the project will be presented as follows

Start time	Presentation
14.00	FIBRE4YARDS demonstrator Assembling all technologies in a ship section
14:45	Questions and Answers Application of the project results and further challenges
15:30	Farewell

# Before start. An deserved acknowledgement to whom has made FIBRE4YARDS possible

4 Research Institutes:

**CIMNE**<sup>®</sup>

**inegi**

**IRT  
JULES  
VERNE**



Lodz University of Technology

7 SMEs:

**COMPASS**  
www.compassis.com

**TSI**

**IRURENA GROUP**  
ADVANCED TECH COATINGS

**L<sup>UP</sup>**

**CURVE  
Works**

**10XL**

**zafiro**

1 Industrial Company:

**NAVAL  
GROUP**

1 Classification Society:



# Before start. An deserved acknowledgement to whom has made FIBRE4YARDS possible

OUR SPONSOR:



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# Thank you !

 <https://www.fibre4yards.eu/>

 <https://www.linkedin.com/company/fibre4yards/>

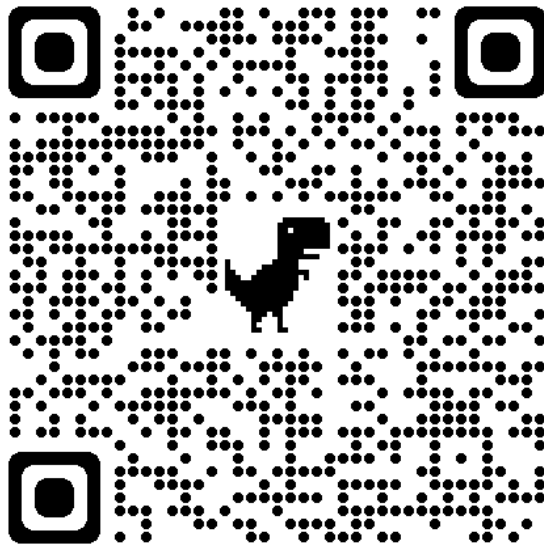
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# One final request...



If not acknowledged

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