



Development, engineering, production and life cycle management of improved FIBRE-based material solutions for the structure and functional components of large offshore wind enerGY and tidal power platforms

Final open-door industrial day

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List of Abbreviations

CDP

Communication and dissemination plan

Executive summary

This document presents the deliverable D7.12 – the report on the open door industrial day of Fibregy held on the 6th of September 2023 in La Ciotat, France. It is part of the task 7.1 and executes the communication and dissemination strategy of the Fibregy project. This second open door industrial day is used to present the Fibregy project to the public by giving a detailed insight into the project's work plan structure and presenting results as well as presenting its demonstrator to the public. The following document outlines the main process of the event regarding organisation, attendees and procedure.

1. Introduction

One of the major communication tools of the Fibregy project are the different events throughout the project duration. The CDP (D7.2) describes the main communication and dissemination strategy providing a framework for the internal and external communication activities, taking into consideration and contributing to the achievement of the project's objectives. Taking this plan into action and following the information days in 2021 and 2022, AVK organized the first open door industrial day in Las Palmas de Gran Canaria in May 2023 and the second one in La Ciotat, France in September 2023. The process of organizing and executing this event will be presented in this document.

2. Organization of the event

Location

The industrial focus of this event was the presentation of the Column D of the W2Power from EnerOcean. The platform in prototype scale is located in Las Palmas de Gran Canaria in Spain. A real scale of the Column D was manufactured by Exail in La Ciotat France during 2023.

For the first part of the event a seminar day was held at the Moxy Hotel in La Ciotat France. The second part in the afternoon place at the Exail Shipyard in the harbour of La Ciotat.



Figure 1: Moxy Hotel and meeting room of the second industry day, where the seminar was hosted.

Promoting the event

The promotion of the event was organized in different steps. Initially after having agreed on date and time with all stakeholders involved, newsletters were sent out to the Fibregy network. Furthermore, an event was created on LinkedIn as well as several posts promoting the event. A registration of all participants was necessary and managed through the software cognito forms.

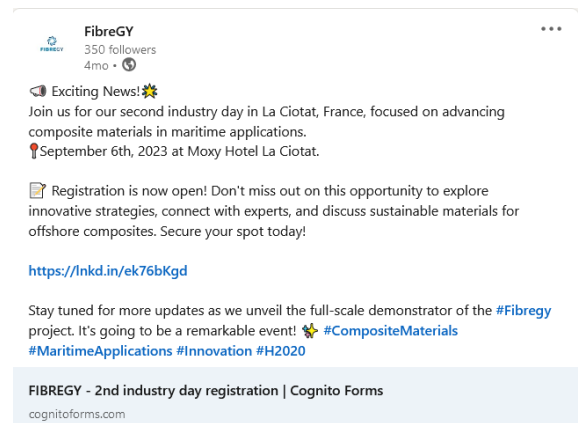


Figure 2: Different posts from LinkedIn to promote the event.

Additionally, the event was promoted through the AVK network by inviting the 230 member companies from AVK in their monthly newsletter.

AVK/FIBREGY – 2nd industry day La Ciotat

Am 6. September wird, im Rahmen eines Konsortiums-Meetings, in La Ciotat/Frankreich der 2nd open-door industrial day des FIBREGY-Projektes stattfinden. Ziel von FIBREGY ist es, die Verwendung von Composites-Materialien in der Struktur der nächsten Generation von großen Offshore-Wind- und Gezeitenkraftwerken zu ermöglichen bzw. auszubauen. Bereits im Rahmen des 1st open-door industrial day konnte den Teilnehmern ein erster Demonstrator einer Offshore-Windanlage präsentiert werden. Der 2nd open-door industrial day wird die neuesten Entwicklungen präsentieren. Eine Vortragsreihe am Vormittag wird am Nachmittag ergänzt durch eine Tour durch die ortsansässige Schiffswerft des Projektpartners Exail. Dort werden erneut auch Demonstratoren im Originalmaßstab zu besichtigen sein. Die detaillierte Agenda sowie die Registrierungsseite sind [hier](#) zu finden. Die Veranstaltung ist selbstverständlich kostenlos. Für Fragen wenden Sie sich gerne an: info@fibregy.eu.



Figure 3: Newsletter of AVK promoting the event.

Final Agenda

The event starts with a seminar day on the 6th of September, where the morning session consisted of five presentations from the Fibregy consortium. The agenda is displayed in Figure 4. On the second day, an industry tour to see the Column D demonstrator from the W2Power, which was at the EXAIL shipyard in La Ciotat, was organized. There, all participants had the time to see the W2Power from a close distance.

Wednesday 6th Sep. FIBREGY's Industrial day

SEMINAR & INDUSTRY TOUR AGENDA		
10:00 -10:10	Welcome	
10:10-10:30	FIBREGY project overview	CIMNE
10:30-11:00	Design and manufacturing of the TIDETEC turbine housing demonstrator in FRP	TIDETEC / INEGI
11:00-11:30	Coffee break*	
11:30-12:00	Progress on the installation of the FRP towers on W2Power prototype	ENEROCEAN
12:00-12:30	Progress on the development of a digital twin based SHM system	CIMNE / TSI
12:30-13:00	Design and building of the real-scale FRP W2Power module	ENEROCEAN/EXAIL
13:00-13:10	Closure	
13:10-14:20	Lunch*	
14:30-15:30	Industry tour (visit to the real-scale FRP W2Power module)	

Figure 4: The final agenda of the second industrial day.

Participants

The list of participants can be taken from table 1:

Table 1: This table presents the participants of the event and their respective organisation.

Number	Name	Surname	Organisation
1	Jan Erik	Hanssen	ENEROCEAN S.L.
2	Fermin	Otero	CIMNE
3	Jorge	Ruiz Rico	EnerOcean S.L
4	Pablo	Ropero Giralda	ENEROCEAN S.L.
5	Javier	Fernández Quijano	ENEROCEAN S.L.
6	Fabian	Rechsteiner	AVK
7	Daniel	Sá	Compass IS
8	Volker	Mathes	AVK
9	Jeremie	CLEMENT	Exail
10	Edouard	WALDURA	Exail
11	Anthony	Comer	University of Limerick
12	Marc	Cahay	Technip Energies
13	Pothnis	Pothnis	Bernal Institute, University of Limerick, Ireland
14	Aquilino	Álvarez-Castro	TSI
15	Andrés Pastor Sánchez	Pastor Sánchez	CIMNE
16	Rachel	Zeringue	Tidetec
17	Joel	Jurado Granados	COMPASSIS

18	Borja	Serván-Camas	CIMNE
19	Olivia	CHAN TAW	Corso Magenta
20	Jorge	Ruiz Rico	EnerOcean S.L
21	Pablo	Ropero Giralda	ENEROCEAN S.L.
22	Tanguy	Cariou	Navantia Seanergies
23	Victoria	Verdejo Sáez	NAVANTIA
24	Jose Ramon	Villa Valdés	Navantia
25	stephane	paboef	Bureau Veritas
26	Rui	Mendes	INEGI
27	Julio	García-Espinosa	CIMNE - UPM
28	João	Cardoso	INEGI
29	Jean-Christophe	Petiteau	Bureau Veritas

3. Execution of the event

Seminar day

The event started in line with the agenda at 10.00 am with a welcome from the organisation team of Fibregy. Afterwards all presentation were held of the Fibregy consortium. During the coffee and lunch break, there was plenty of time for all participants to network and discuss the content of the presentations. Figure 5 shows representative pictures of the seminar day in La Ciotat.



Figure 5: Impressions from the seminar day at the Moxy Hotel.

Industry day

For the industry part, a bus transfer was organized. The bus transfer took the participants from the Moxy Hotel to the Exail shipyard after lunch. When the buses arrived at the Exail shipyard all participants had the chance to get a close look at the impressive Column D, which was developed and manufactured in the Fibregy project. All safety standards and regulations have been controlled by the employees of Exail Compared to the column D currently deployed at the W2Power in the Canary Islands, this demonstrator was built in real scale. The event ended at 12.30 at the Astican shipyard. One bus took the participants back to the city center. Figure 6 demonstrates the W2Power wind power plant and Figure 7 shows impressions from the industry tour.

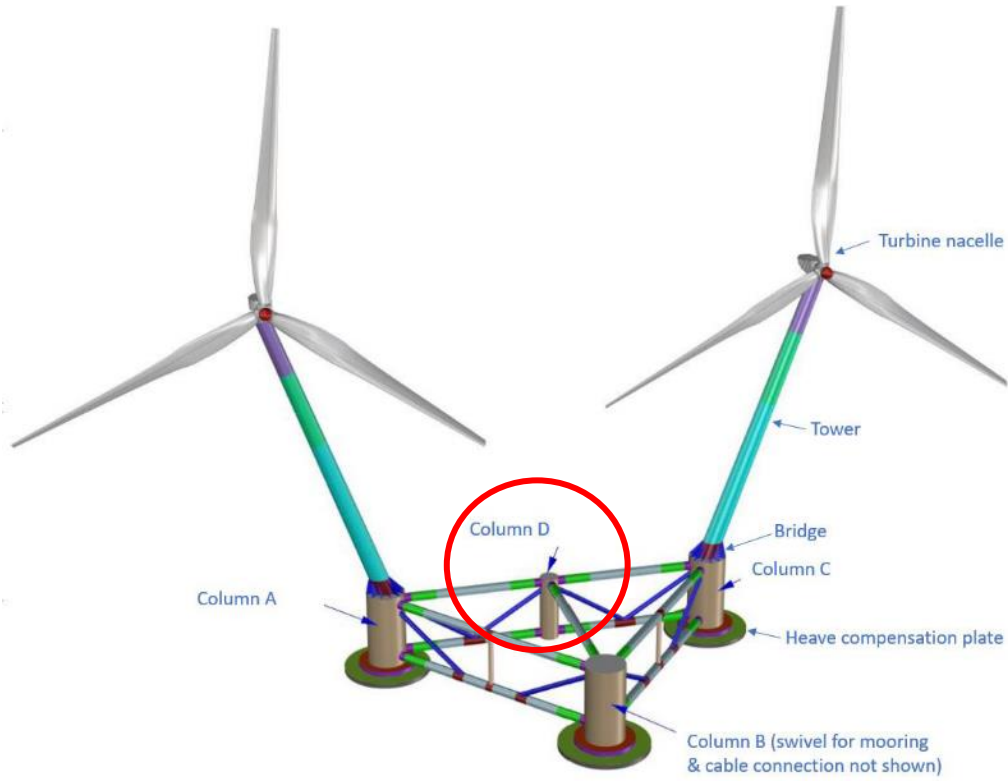


Figure 6: The W2Power from EnerOcean. The column D was demonstrated in real scale during the industry day.



Figure 7: Impression from the visit to the Exail shipyard and the column D.

4. Conclusion

In summary, Fibregy's open-door industrial day held in La Ciotat was a success. Drawing attendees from various European regions, the day featured a diverse range of presentations unveiling the latest research findings of Fibregy. The topics explored into composite materials tailored for wind and tidal power applications, as well as the broader theme of lightweight solutions in maritime environments.

A notable highlight of the event was the opportunity for attendees to explore a shipyard in La Ciotat and witness first-hand the column D of the W2Power platform in real scale, crafted using composite materials within the Fibregy project. This demonstration effectively showcased Fibregy's commitment to utilizing sustainable materials in offshore energy structure fabrication.

Regrettably, public turnout fell below expectations, likely influenced by the early September date coinciding with the holiday season in certain European countries. Furthermore, it appears that the AVK network (federation for reinforced plastics) might not be the most fitting target audience, given the limited registrations from this network. Future events will seek collaboration with networks from the wind and tidal industry.

Nevertheless, feedback from participants was positive, highlighting appreciation for informative presentations, engaging discussions, and valuable networking opportunities. Attendees were thrilled to connect with representatives from other projects and networks, showcasing their pioneering research in the field. The overall success of the event hinged on the support and participation of the broader community.

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