



Flexibility is key for offshore wind farm operators

Offshore wind service provider CB&I offers logistics and accommodation solutions to the offshore wind industry, with its walk-to-work vessel, Wind Innovation. PES caught up with Daniel Alon, General Manager for CB&I, to get an update on what projects the company has been working on and to get the latest insights on efforts to reduce the environmental impact of its offshore operations.



Daniel Alon

and we are happy working together again, this time welcoming more than 60 people on board Wind Innovation.

PES: Can you tell us why Wind Innovation is such a good fit for this project?

DA: Firstly, Wind Innovation is one of the larger walk-to-work SOVs in the market, suitable for 40 or more passengers and with room for 105 guests in total.

Since we carefully selected Wind Innovation in 2016, she has been rebuilt and tailor-made for servicing the offshore wind industry, in close collaboration with our customers.

As one of the only SOVs in the market, she has an adjustable pedestal on the gangway, ranging from 12 to 26 metres, which brings her high up on the list of best-in-class vessels on operational limits. For this particular project, it provides our customer with much more flexibility in operations, as we are working on two different wind farms which have TPs of different heights.

Last year, we reached 10,000 completed gangway operations on board Wind Innovation and our promise to Vattenfall is to put all our offshore experience into play and secure another successful offshore wind project.

PES: Daniel, last time we also talked about energy efficiency on board Wind Innovation. You mentioned that by installing DESMI FQ converters on the main generator cooling pumps and engine room ventilation, you removed 5% of your total energy consumption on board Wind Innovation. Do you have something new to share on this?

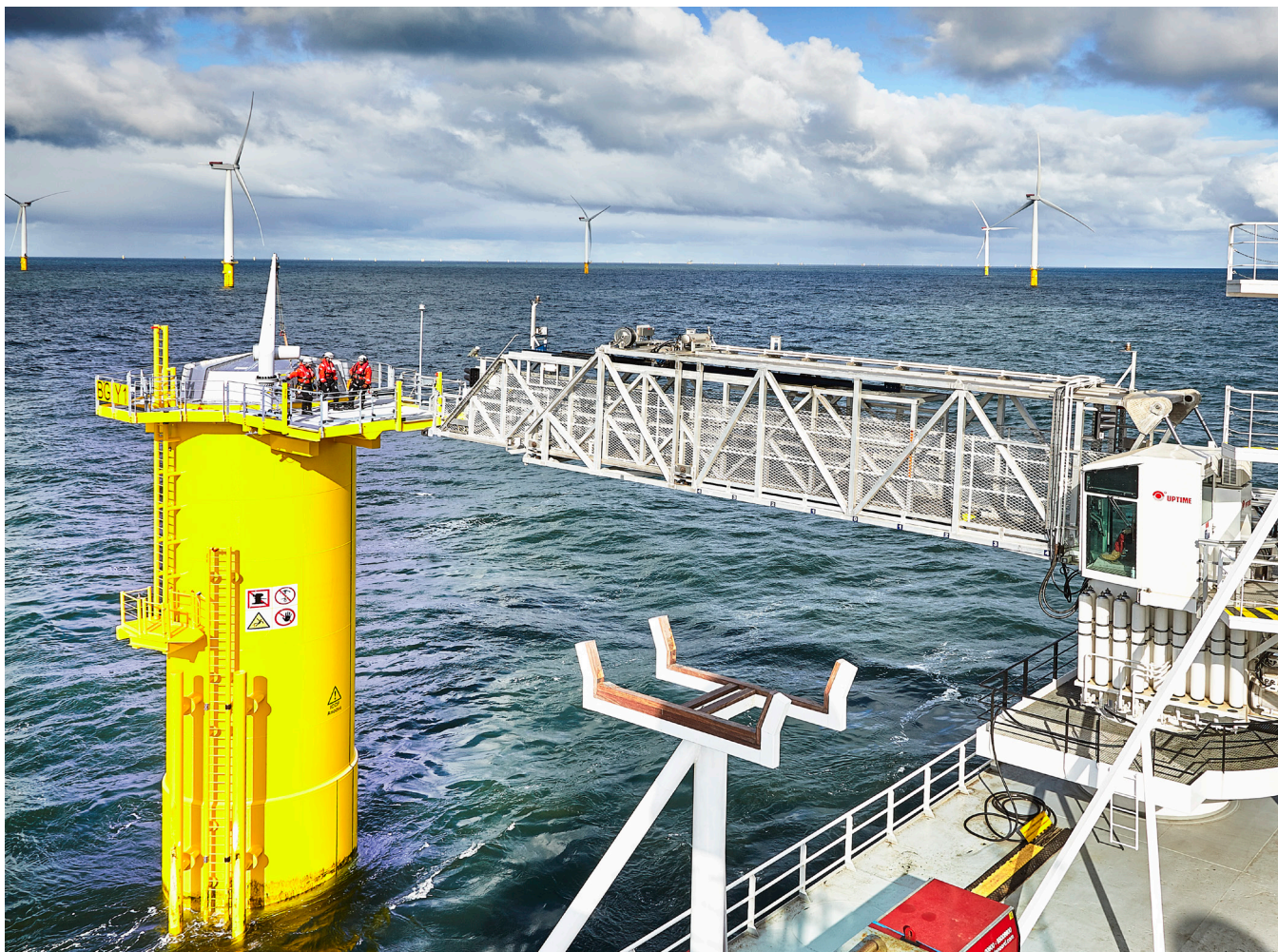
DA: Yes, of course. Last time, I also briefly mentioned a new project to optimise the main engine accommodation heating unit, which we were still waiting to see the results of. We now have these results, and they have been encouraging.

PES: It is nice to welcome you back to PES, Daniel. Perhaps you can start by telling us what you have been working on, since the last time we spoke?

Daniel Alon: We have just finished a lengthy double contract with Ørsted on Hornsea One and the world's largest wind farm, Hornsea Two. We have been working on these two projects since the end of 2020, with our service operation vessel (SOV),

Wind Innovation, providing the daily logistics and accommodation for the offshore workers.

Now, we have moved on to a new project with DanTysk Sandbank Offshore Wind GmbH & Co. KG, a joint venture between Vattenfall Europe Windkraft GmbH and Stadtwerke München GmbH., on the Sandbank offshore wind farms in the German North Sea. Last time we worked with Vattenfall was in 2016,



By exploiting surplus heat from the main engines to heat the accommodation of Wind Innovation and for example, warm water for showers, fuel consumption has been reduced during the last half of 2021. We saw an average saving of 913 kWh per day, equal to the annual energy consumption of 89 UK households.

Together, these two energy saving projects have exceeded our expectations and ended up saving 7% of our total energy consumption.

PES: So looking into the crystal ball, what's next for CBED?

DA: Well, first of all, we are pleased to be able to continue our close to 100% utilisation mark, by having Wind Innovation on contract until Q4 2022.

And then, looking to the future, we will of course continue our focus on running a responsible business and continuously making progress within the wider sustainability agenda.

We continue to look at new solutions in the market and what is the right fit for CBED and Wind Innovation. Right now for example, we are looking into hybrid as a way of optimising our energy consumption and how it would be possible to integrate this into Wind Innovation.





First to serve the offshore wind industry

In 2008, CBED became the world's first shipowning company offering dedicated services to the offshore wind industry. Over the years, the gained experiences have formed into the walk-to-work vessel, Wind Innovation. Today, Wind Innovation stands out in the offshore market, with a comprehensive 80 single cabins and option of a total 105 guests comfortably living on board.

The customised design for efficient helicopter arrivals, sheltered storage facilities, offices and meeting rooms enables seamless operations. However, the ship design also balances leisure time activities with integrated cinema, fitness room and TV lounge and game room options for lengthy projects away from home.

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