CROWN FW®

Industrializing Floating Wind

BREZO ENERGY

Background

"**In the 1990's**, the Danish state decided for a large-scale offshore windfarm in the North Sea. **Only problem was that this had never been done before and no one knew how to do it**",

Lars-Magnus Kihlström interview to Bent Johansen, engineer who worked in Horns Rev 1

It was the Simplicity and the capacity to be automated that made the monopiles the big success they are today

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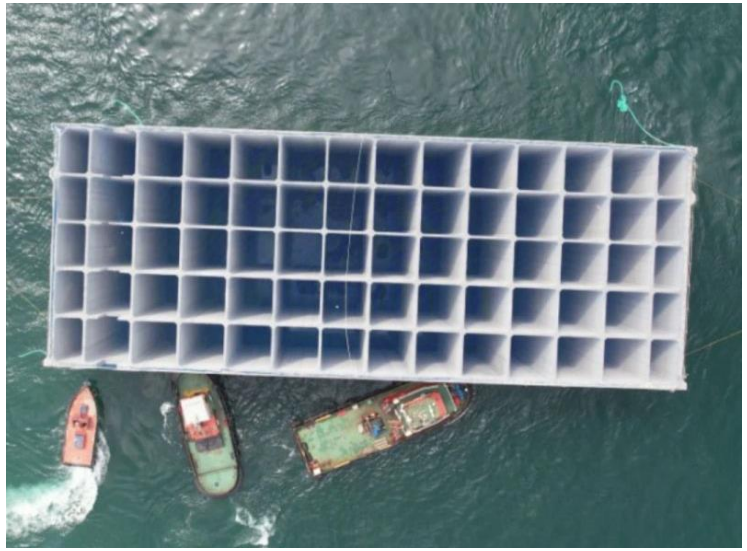
What if?

We use Slip-forming to cost-efficiently build at 1 unit/week

a concrete caisson that can hold a wind turbine



In a Floating dock, a mobile plant that can be towed from one port to another

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DeepWind

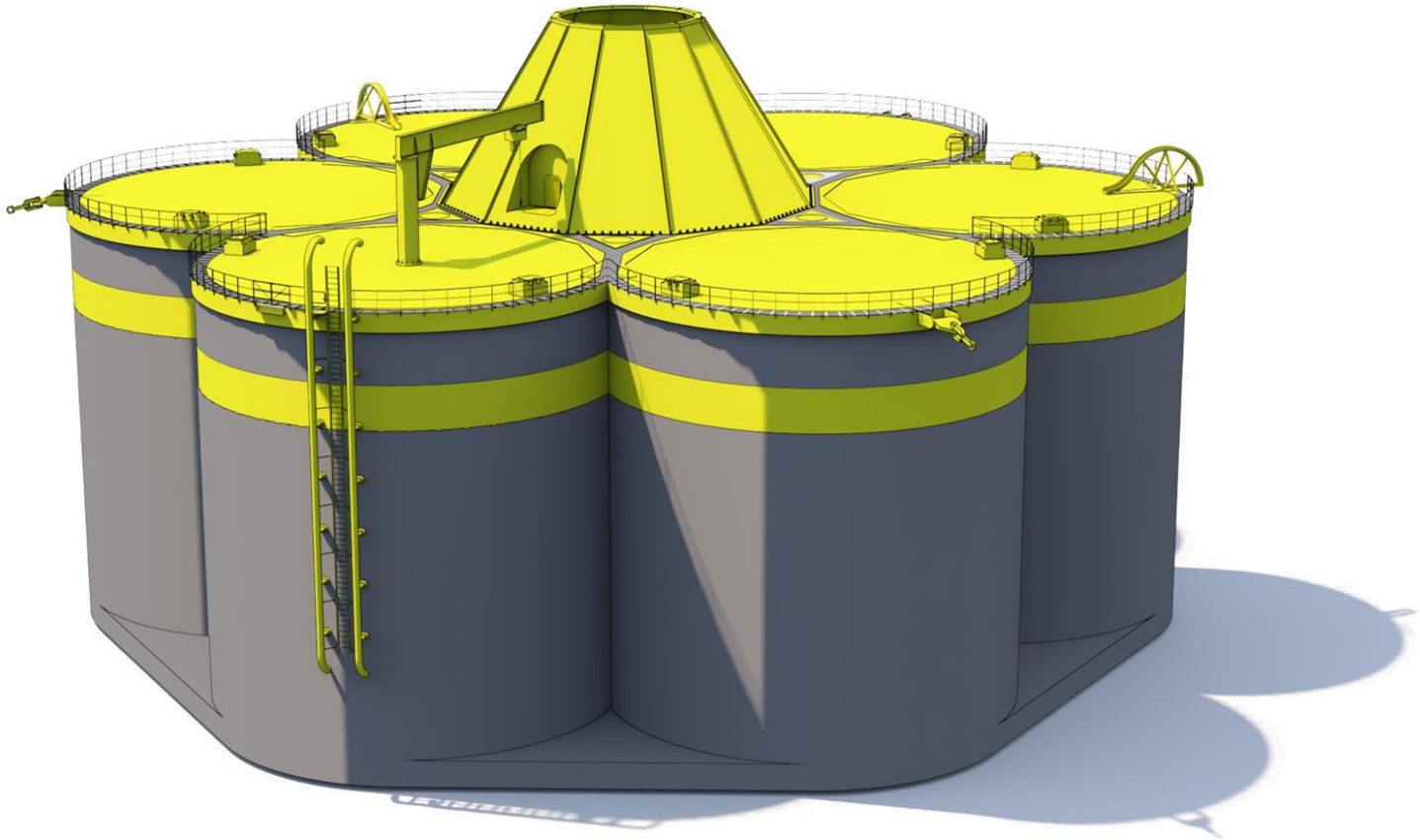
Concrete Floating Substructures

8th October 2024

By Henrik

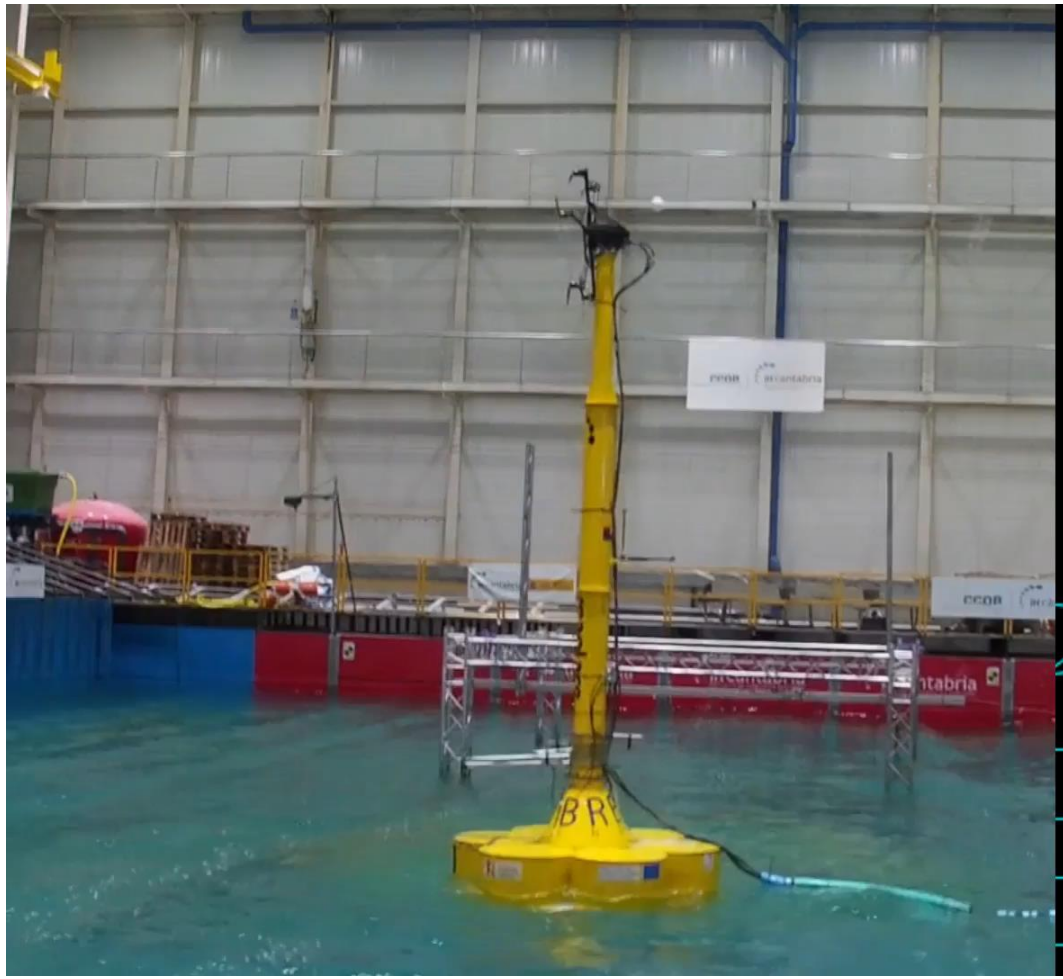
Jaime Moreu, Founder & CEO
Brezo Energy

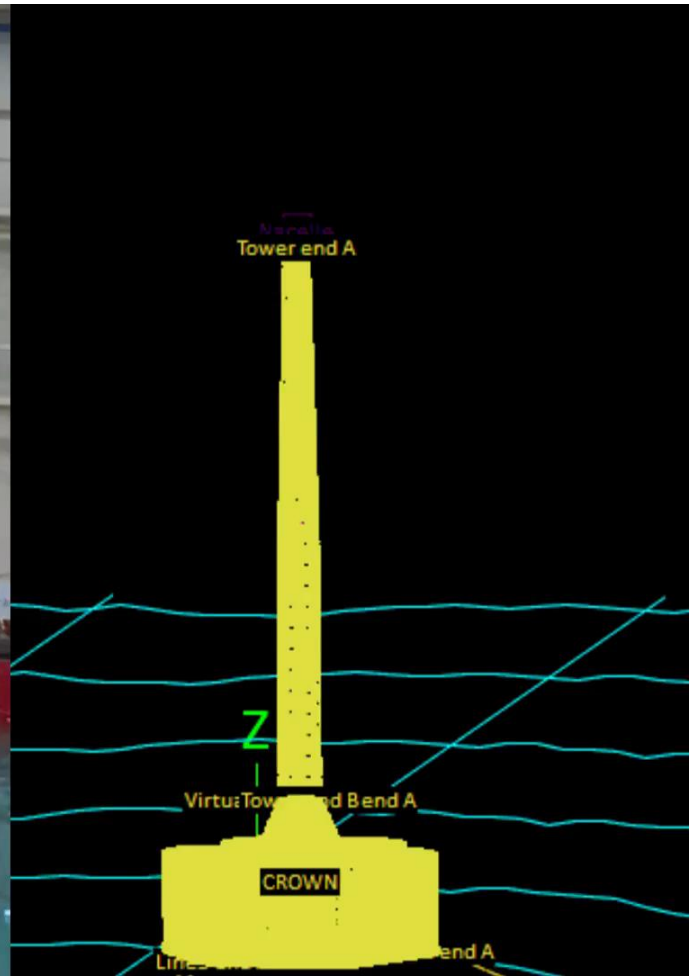
CROWN FW® design

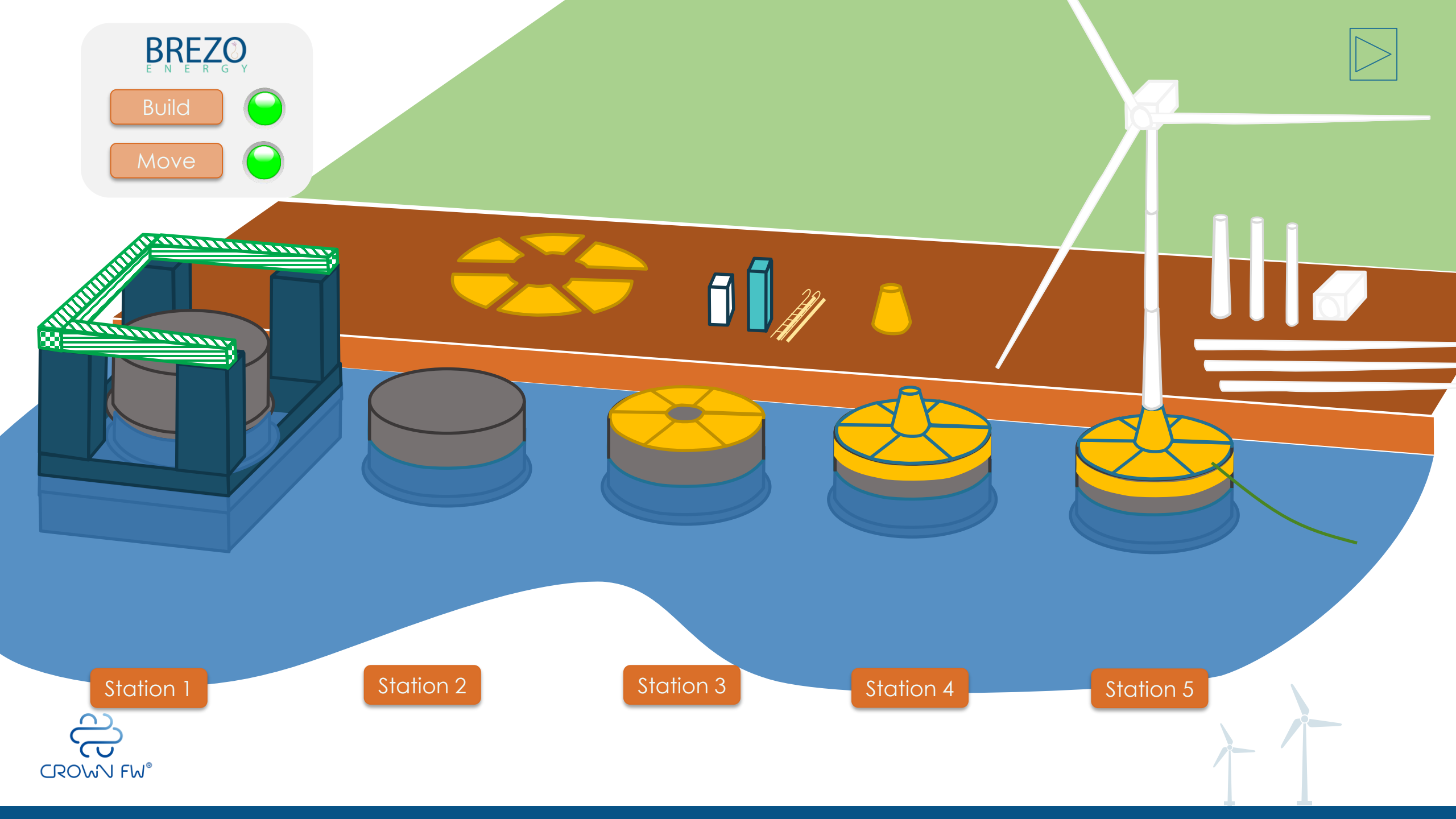


Validating the technology since 2015

- Model tests have helped us to accurately represent the hydrodynamic behaviour of the floater, representing this a great tool for projects and integration with turbine OEMs (ILA)



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Build
Move
Station 1
Station 2
Station 3
Station 4
Station 5
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+ proven and efficient manufacturing method: **Slipforming**

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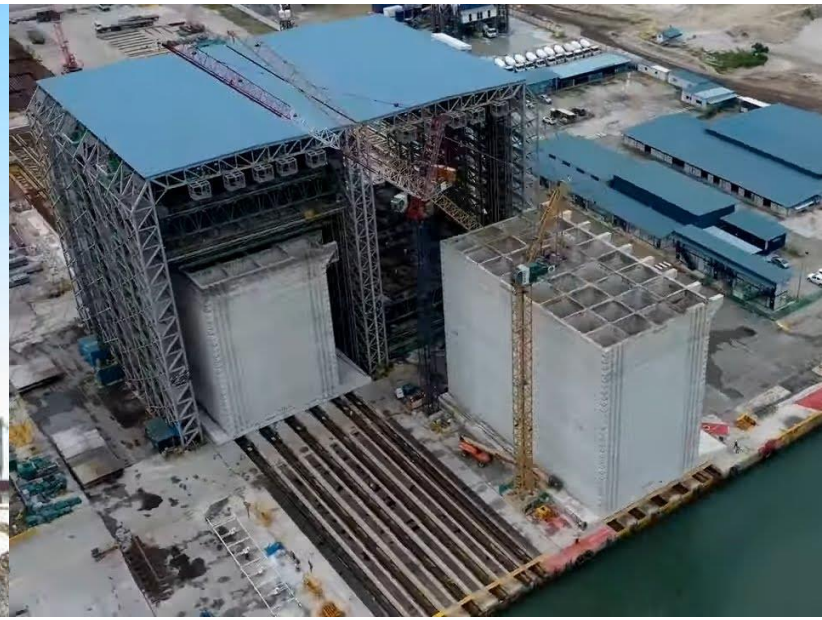
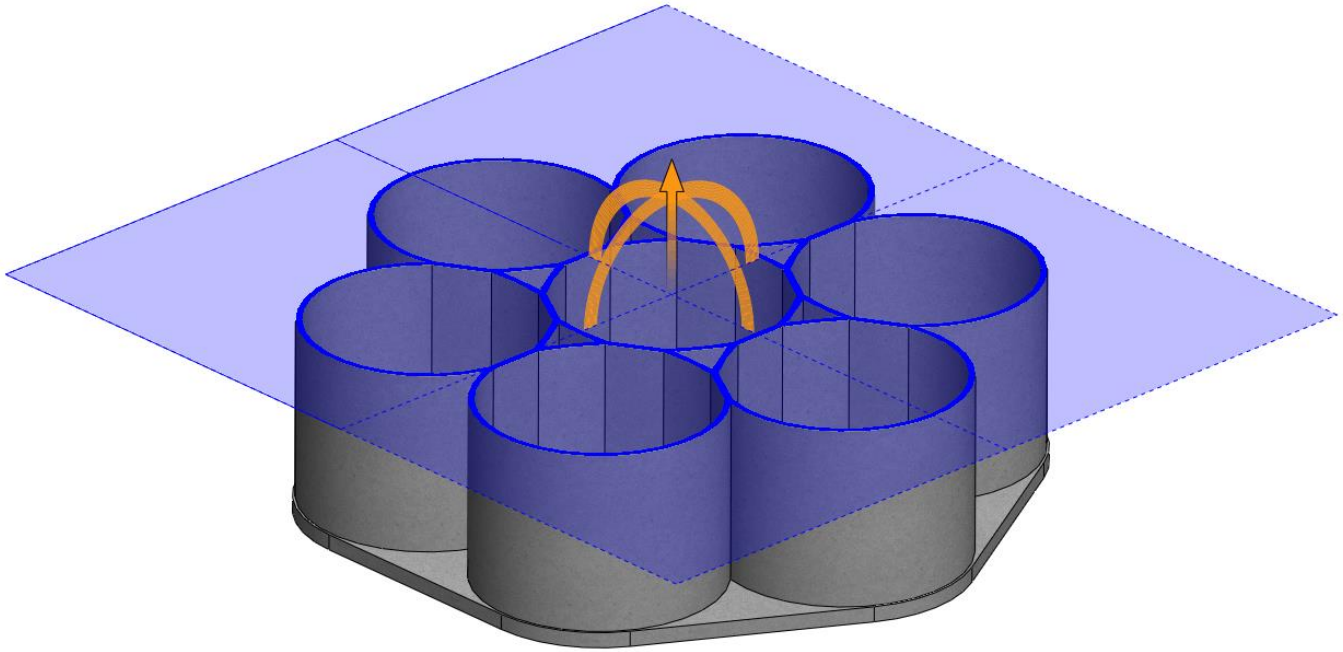


Fostering industrialization

During the design process, we asked ourselves how we could:

- Favour slip forming
- Reduced number of connections, having them above the sea surface




By sharing the floating dock between projects,
a more sustainable Industry can be developed
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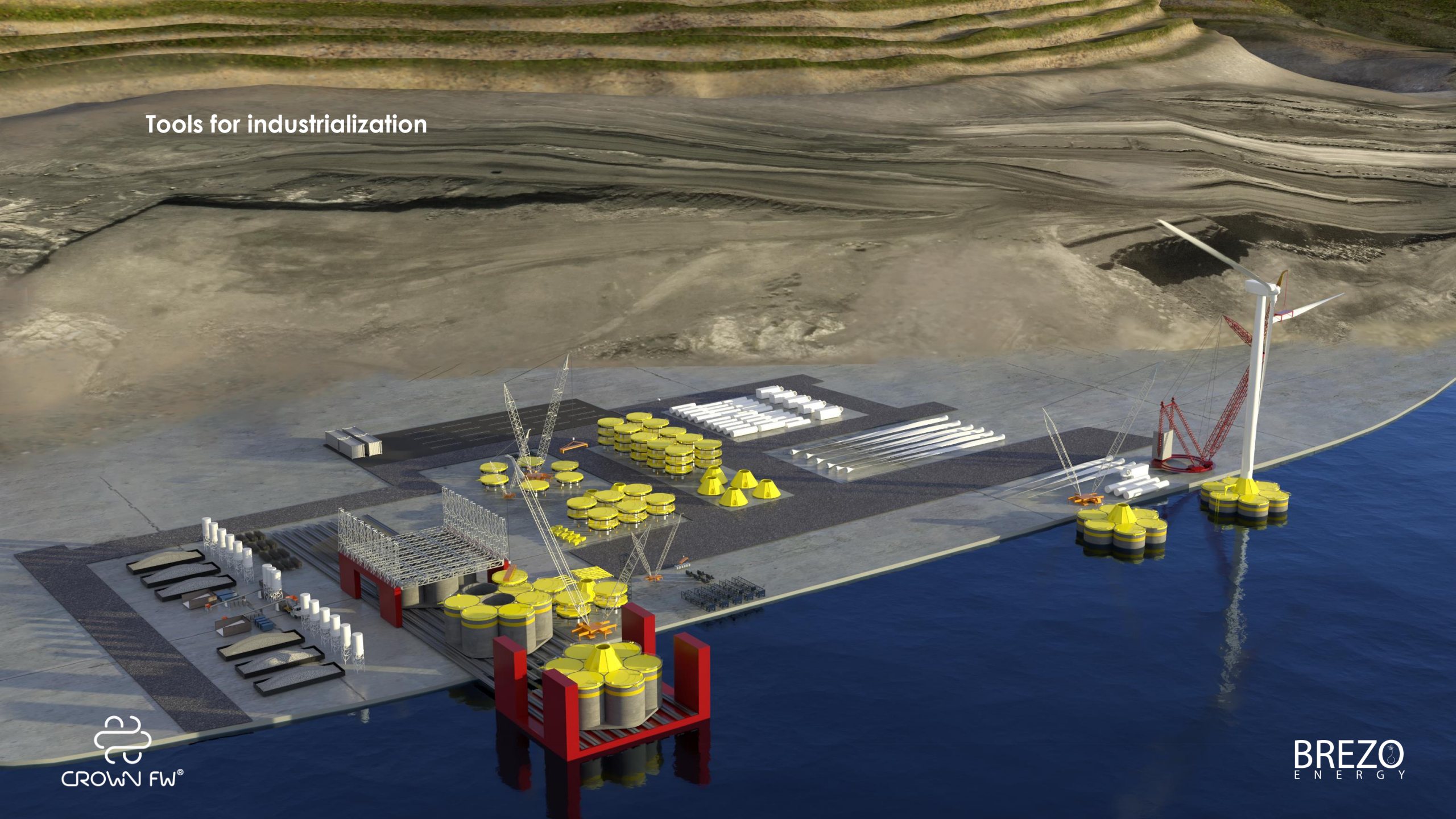
Tools for industrialization



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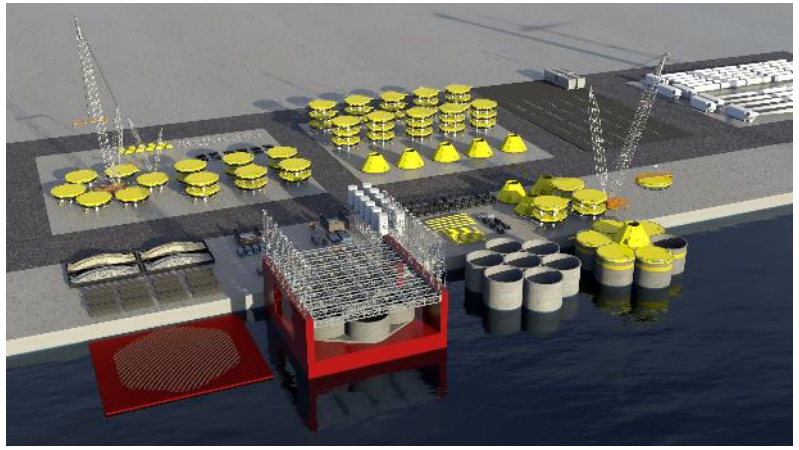

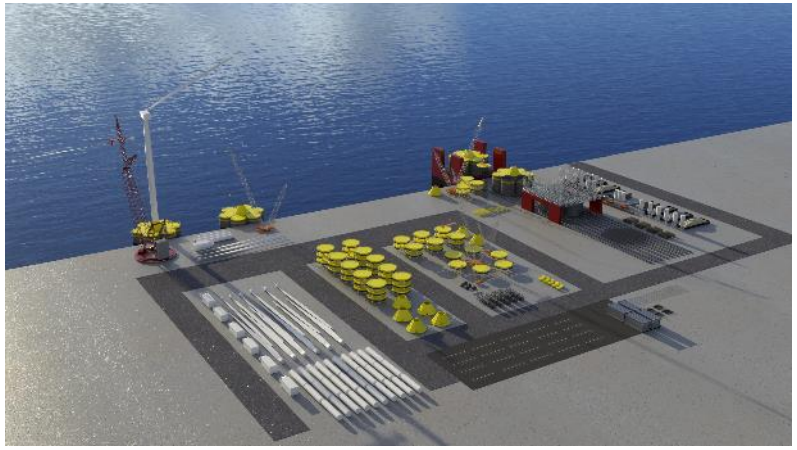

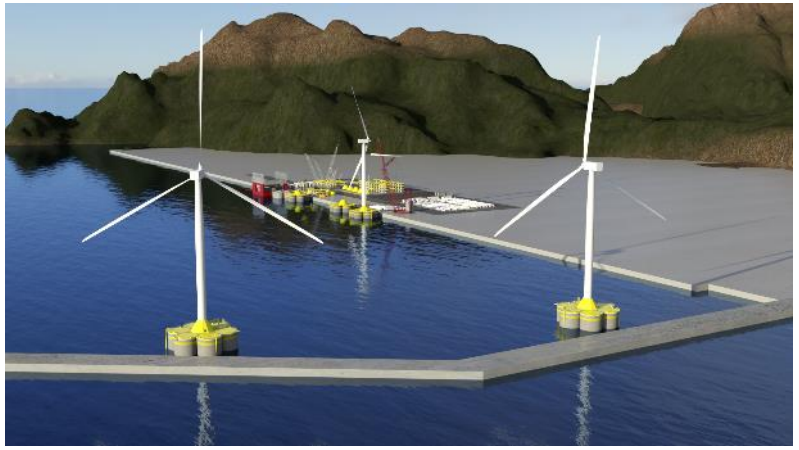

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