

Accelerating Offshore Wind.



Parcs eòlics marins flotants - Fases de desenvolupament

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Barcelona, 18 de gener de 2023



01

**PRONÒSTIC
ÈÒLICA MARINA
EU 2022-2030**

Font:
WindEurope

02

**PROCÉS DE
DESENVOLUPA-
MENT DE PARCS
ÈÒLICS MARINS**

03

**PLATAFORMA IT
DE YOUWIND
RENEWABLES**

04

**TIPUS DE
CLIENTS**



01

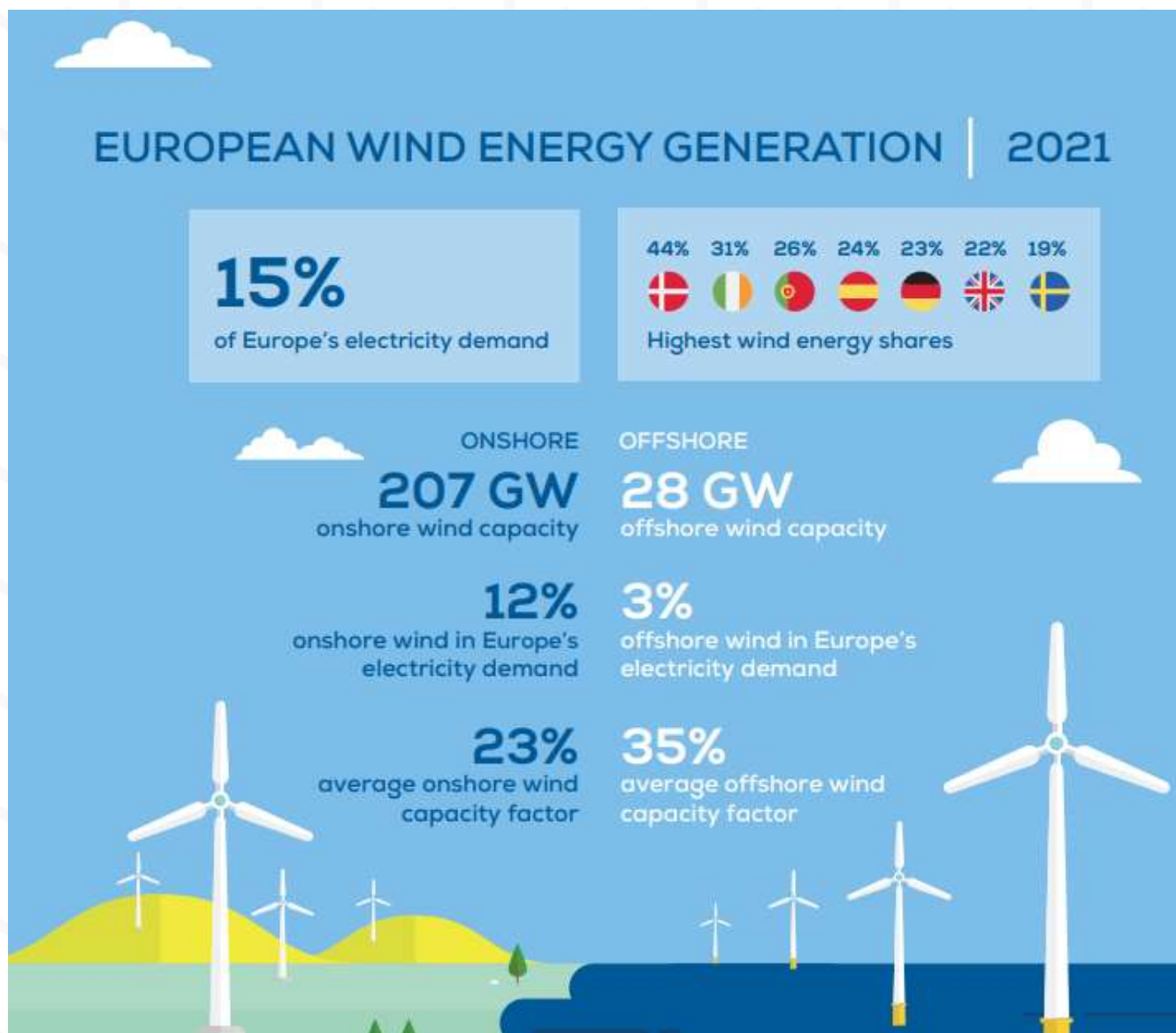
Pronòstics de creixement de l'eòlica marina 2022-2030

NIVELL EUROPEU



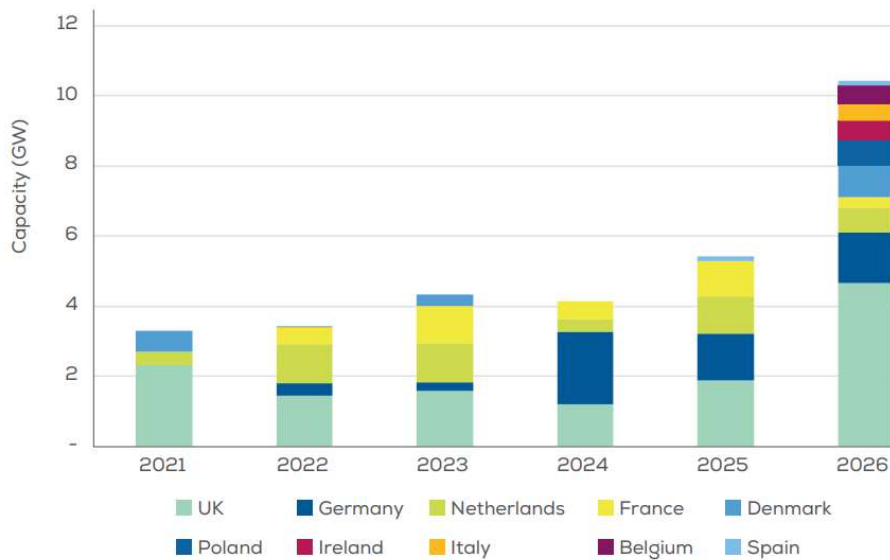
On som ara

Capacitat instal.lada
12% Offshore
88% Onshore



Tendència d'offshore wind a l'alça

FIGURE 20
New offshore installations per country, 2022-26 - Realistic Expectations Scenario



Source: WindEurope

FIGURE 15
Expected new installations 2022-26 - Realistic Expectations Scenario



Source: WindEurope

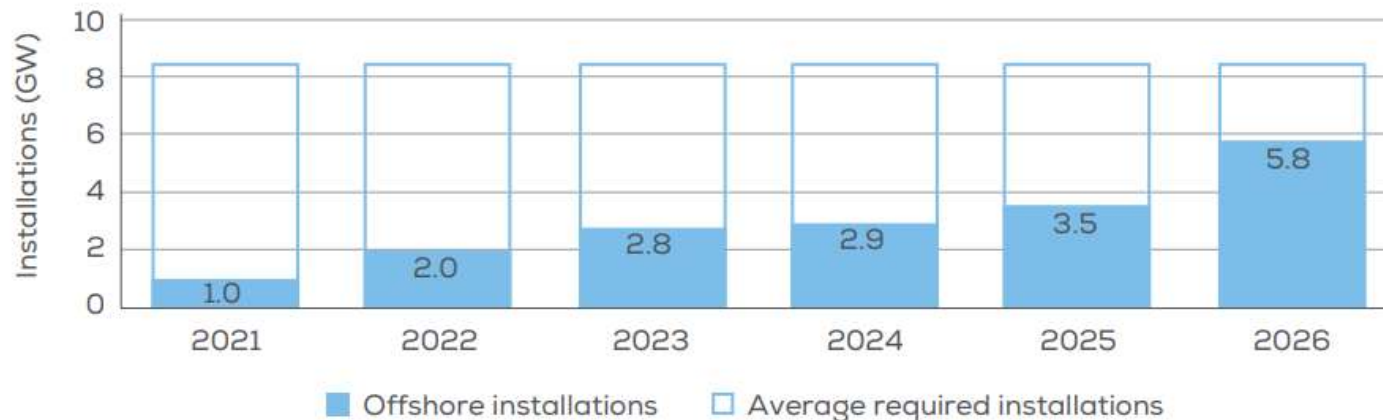
... però no arribem a les metes EU 2030

Meta de MW d'offshore wind instal.lats al 2030: 79GW

The European Commission modelling shows that we need at least 79 GW offshore wind but National Government have pledged to build at least 92 GW of offshore wind capacity by 2030. The EU-27 **needs to install 8.5 GW a year** on average from 2022 to 2030 to reach it this, which is significantly higher than the expected 3.4 GW a year

FIGURE 24

EU-27 Expected and required offshore wind installations - WindEurope's Realistic Expectations Scenario



Source: WindEurope

Qui som

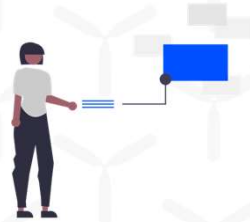
Youwind Renewables is a SaaS company that provides advanced tools and consultancy services to support strategic decision processes when developing or installing offshore wind projects.



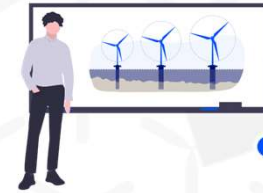
Our Services



**IN-HOUSE IT
SOLUTIONS**



**CONSULTANCY
SERVICES**



**WORKSHOPS
AND TRAINING**

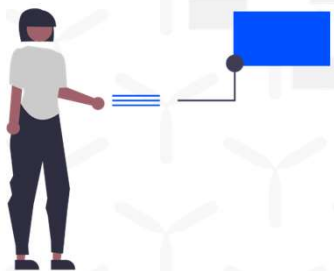
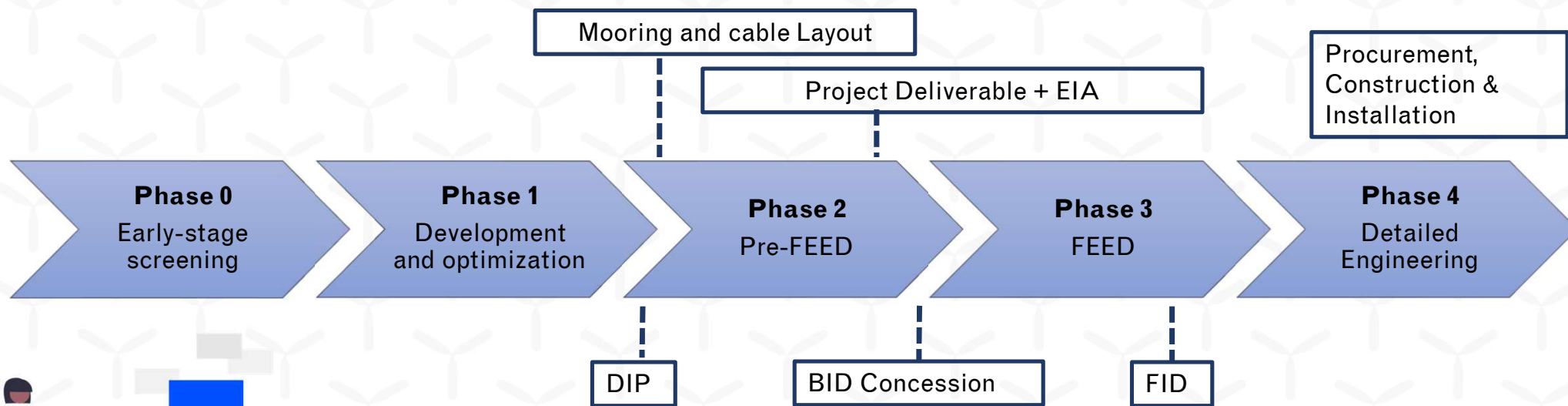


02

Procés de esenvolupament de parcs eòlics marins



Procés de desenvolupament d'un parc eòlic marí



03

Plataforma IT de Youwind



Model



Our cutting-edge IT systems



Youwind
Model

Technical and cost simulations of offshore wind farms.

OptiWindow

Installation and logistics optimization of offshore wind farms.

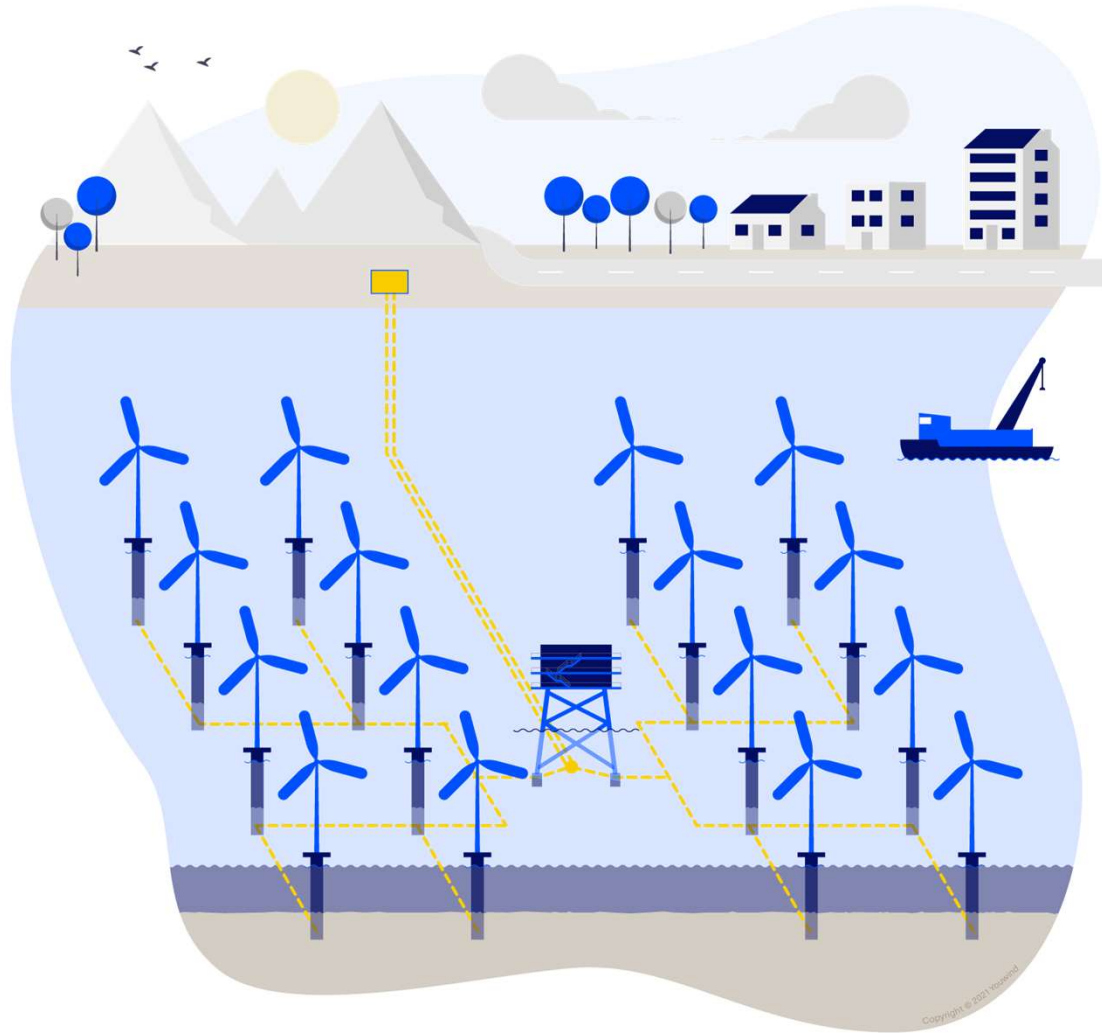
Pixel PixelPark
by Youwind

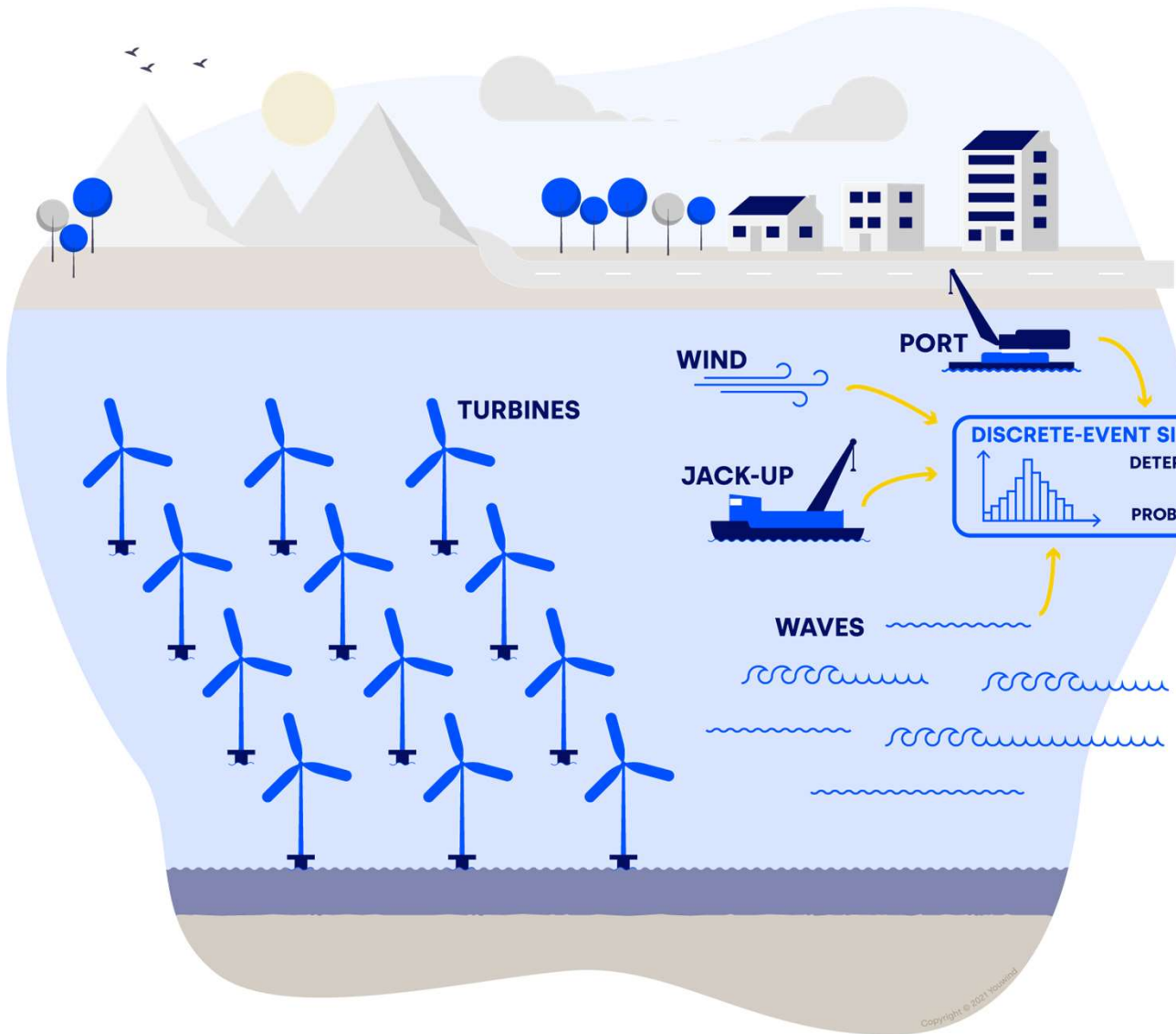
Interactive visualization platform for LCoE/IRR heat mapping. Pixel Park new module for optimal layout generation.

Youwind
Renewables



Technical, cost and financial evaluations of offshore wind farms under development – keep track of production, layout and business case in any project scenario





OptiWindow

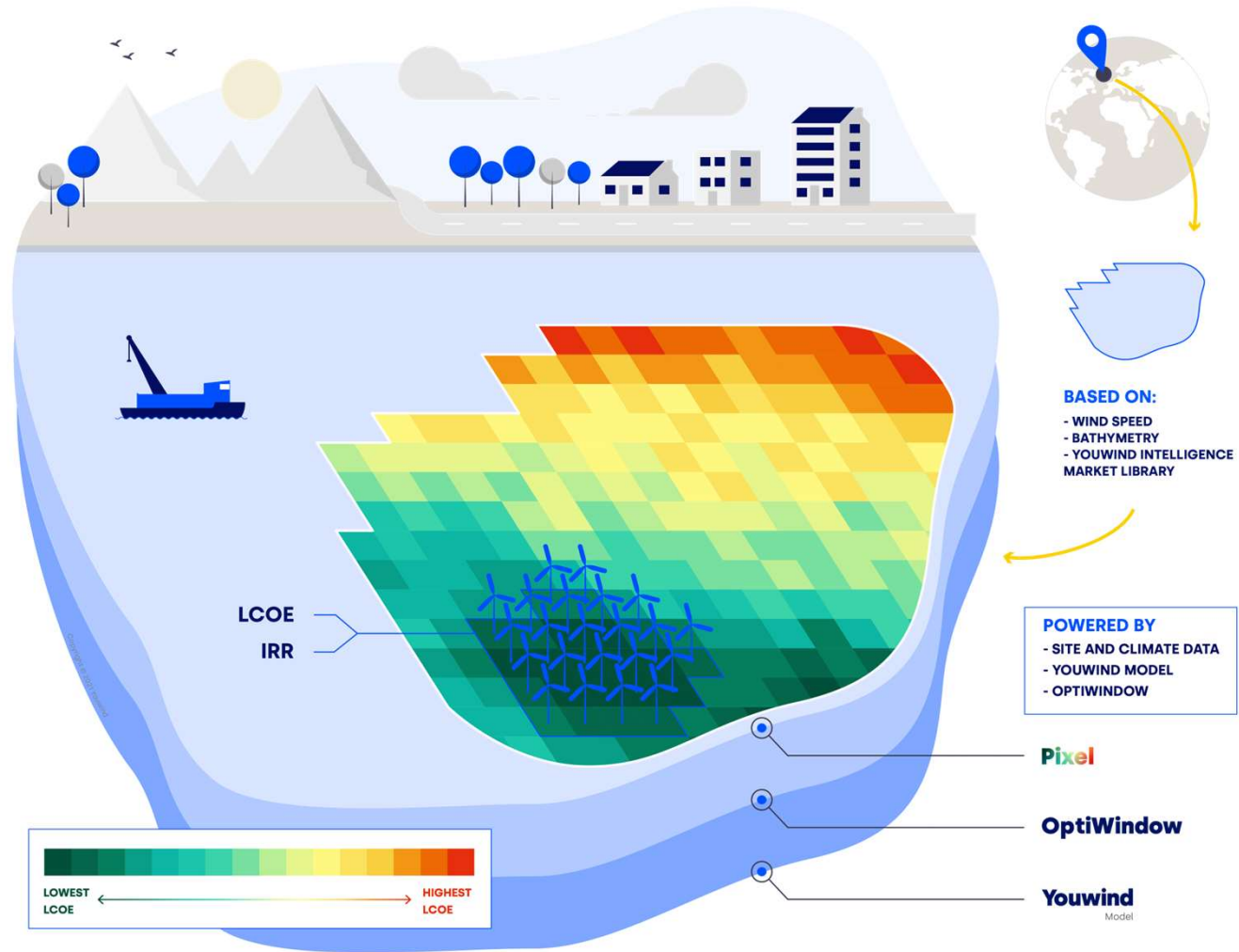
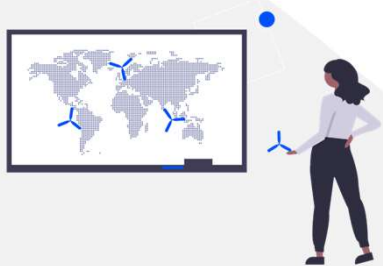
by Youwind

Logistics sequences simulations and **weather downtime** calculations based on climate big data, optimizing timing and set-up for future operations offshore (installation and O&M)





1. Accelerate early-stage screening with our interactive visualization platform
2. Linked to perfection with YouwindModel, OptiWindow and external data resources.
3. When starting a new offshore wind project, complex multicriteria challenges arise. Pixel simplifies that.



PixelPark in a nutshell



Automatically generate a park layout

Turbines fitted inside an area with a staggered or regular grid layout



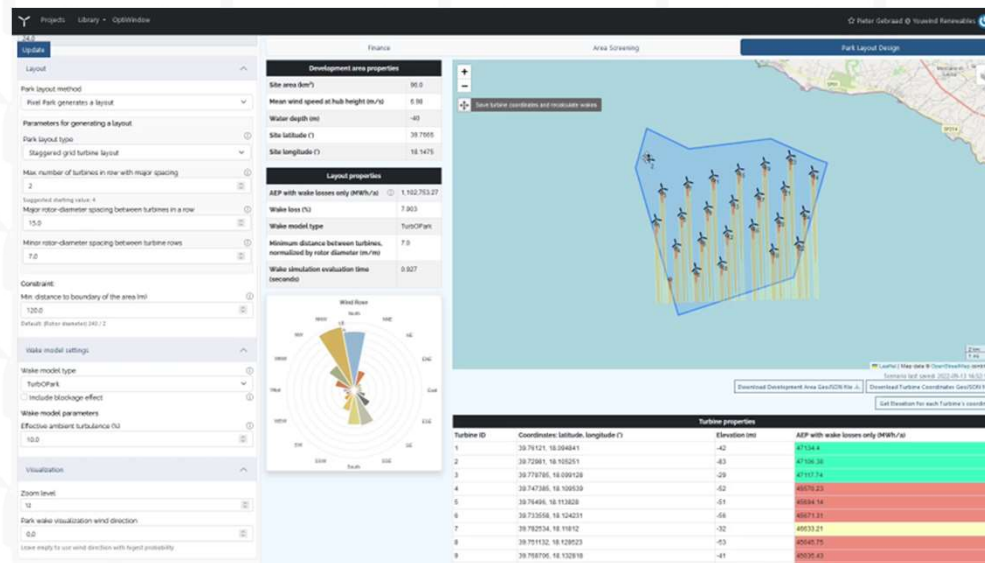
Drag-and-drop turbines to optimize further

Get the most out of an area with detailed placement



Integrated with the Youwind Model

Directly see the impact of the optimization on the overall project



04

Tipus de clients

· Companies profiles



Our Clients



SUPPLIERS

Turbine and foundations manufacturers.



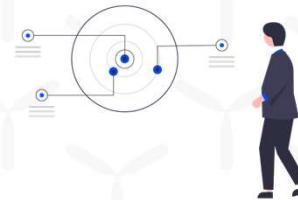
SECONDARY SUPPLIERS

Electrical systems, vessel owners.



DEVELOPERS

Small and middle size worldwide. Big onshore players that aim to expand offshore



AUTHORITIES

Bidding processes.



BANK AND INSURANCES

Due diligences for lenders and investors.

Thanks!

Do you have any **questions?**

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www.youwindrenewables.com

