



Youwind 

GROUNDING DIGITAL SOLUTIONS FOR YOUR WIND FARMS DEVELOPMENT

Youwind March 2026

01	YOUWIND SOLUTION	Your challenges. Our solution.
02	OUR PLATFORM	Our key features and workflow.
03	OUR CLIENTS	A tailored approach
04	THE SOUL OF YOUWIND	Our history
05	NEXT STEPS	All set up in just four steps

01 YOUWIND SOLUTION



Challenges You Might Have Faced In Wind Project Development



High complexity in manual development

Streamlining can enhance efficiency and reduce development time and risk of errors.



Room for modernization in tooling

Transitioning to more intuitive, adaptable tools can better support evolving projects while lowering costs.



Potential for stronger team alignment

Improving collaboration tools and workflows can boost transparency, minimize delays and improve project traceability.



Need for validated, consistent calculations

Strengthening data verification processes empowers more confident and informed decision-making..



Enhancing expert support

Access to wind and digital expertise makes it easier to reach your specific project goals.

CLARITY IN MOTION

We empower wind energy professionals to make the right decisions through an integrated **web-based platform**, expert-backed guidance, a seamless and collaborative experience and bankable outcomes.



Founded in 2018, Youwind platform is **designed for both offshore and onshore projects**, our digital solutions streamline wind farm development, optimise workflows through clear case comparison, and ensure validated bankable outcomes. With seamless integrations and expert-backed guidance, Youwind delivers precision, efficiency, and reliability at every stage



Expert-backed

Developed by wind energy experts with over 15 years hands-on field experience—offering tailored guidance to ensure precision, practicality, and faster results.



Integrated

All-in-one platform combining engineering, GIS and mapping, financial modeling, and other integrations—streamlining workflows and improving accuracy from day one.



Seamless

Intuitive and structured steps that boost efficiency and collaboration—breaking silos, providing transparency to complex sensitivity analysis, and ensuring traceability across every project.



Bankable

Validated and reliable yield and wake loss calculations that reduce risk, control costs, and accelerate decision-making to ensure clarity on long-term investments.

Proven expertise, trusted by the wind industry

With a strong track record in offshore and strategic expansion into onshore, Youwind stands as a trusted partner across the wind energy sector.

Behind 25+ awarded offshore wind projects

A solid foundation of success, born from hands-on experience and technical precision.

Top-tier onshore data partnerships

Alliances with leaders like Vortex ensure accurate insights and a deeper understanding of each project's potential.



Some of the companies who trust us



Made by
industry
experts for
a wide
range of
users

- Use predefined components or personalize your own to design your wind park easily from area screening to financials.
- Unparalleled speed and accuracy in project analysis.
- Multi-Company Feature: a seamless IT solution that lets you manage multiple clients with independent accounts, allowing them to track progress and activities.
- It assists in preparing your tender and final proposal, making it more attractive by reducing costs.
- Seamless team collaboration with integrated data sharing.
- High data confidentiality and robust IT and cybersecurity protocols.
- Up to 80% reduction in project screening time.

02 OUR WEB-BASED PLATFORM



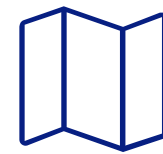
Planning & Development



01

Greenfield

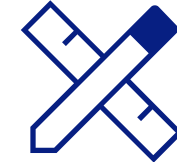
- Early-stage screening
- Constraints analysis (GIS)
- Markets benchmarks.



02

Site Characterization

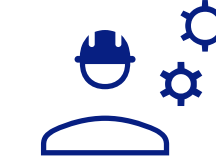
- Technology choice for main components
- Yield and LCoE assessments
- Bottom-up costs calculations
- Logistics and weather downtime optimization



03

Pre-FEED

- Layout optimization
- Bankable yield assessment at time series dimension
- Financial sensitivity studies



04

FEED

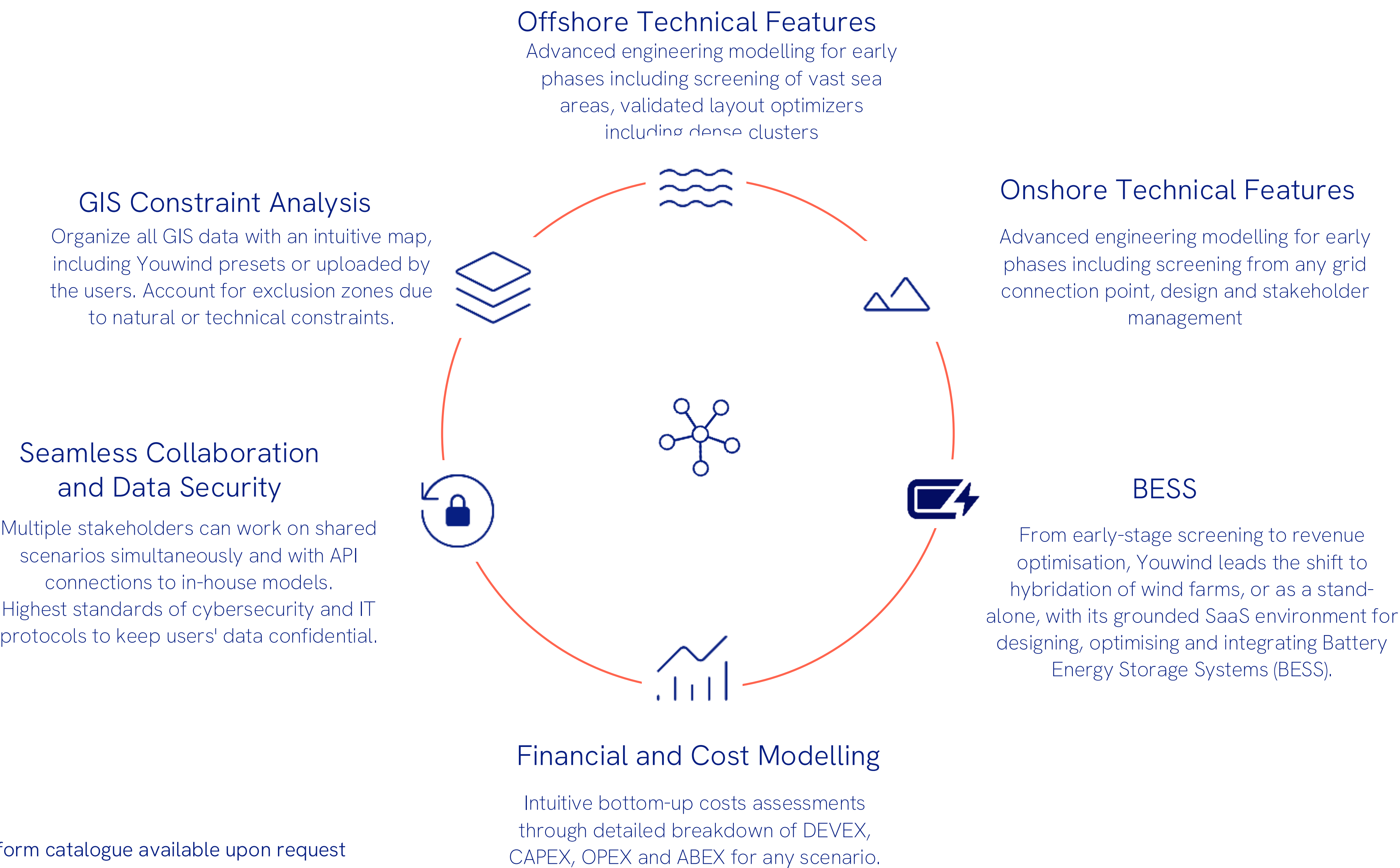
- Wake steering for yield maximization
- Costs traceability
- Detailed installation sequence optimization



05

Operations

- Asset yield optimization with wake steering control strategies
- Yield validation analysis
- Preventive O&M sequences optimization for climate



* Full updated platform catalogue available upon request

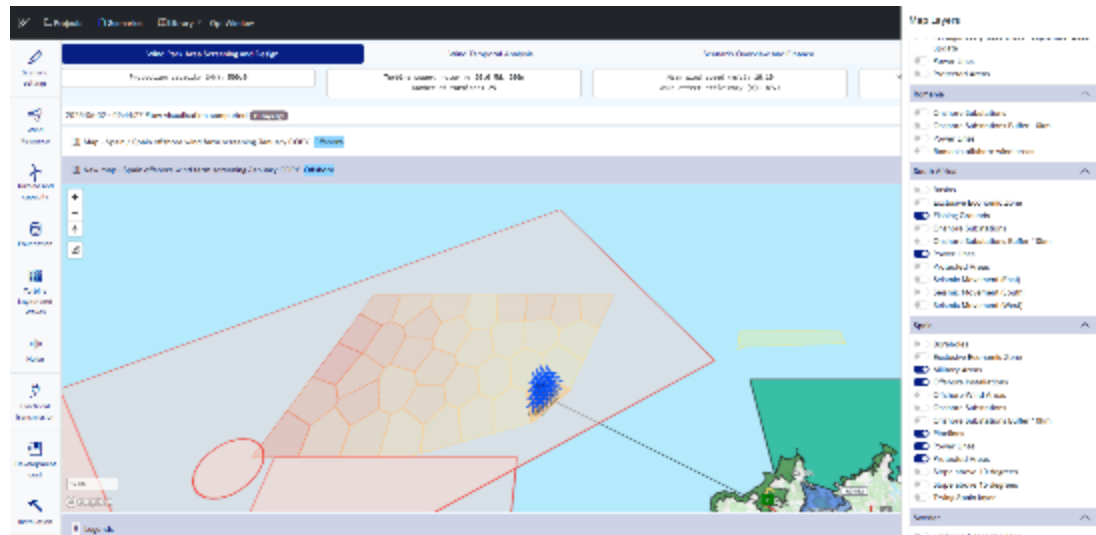
Examples Of Integrated Platform Functionalities For Offshore Projects.

- Offshore Wind Farm Optimisation – FASTEST OPTION IN THE MARKET FOR DENSE CLUSTERS
- Offshore Logistics including weather downtime
- Preset Libraries with API connections and Data portability options from users' libraries
- Cases comparisons for endless sensitivity analysis
- Financial & Cost bottom-up Modelling
- Seamless Collaboration & Data Security
- GIS Constraint Analysis, including exclusion zones



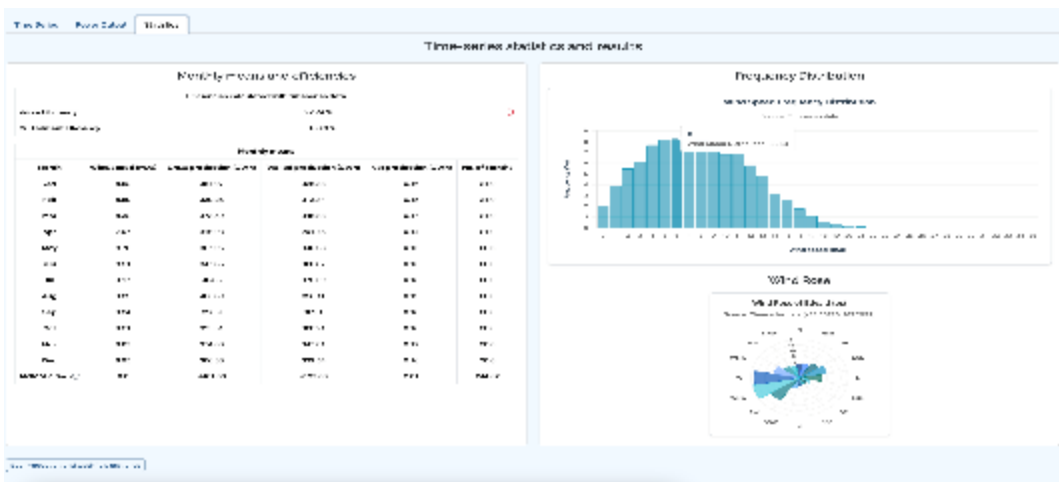
Platform Technical Key Features - OFFSHORE

Full updated platform catalogue available upon request



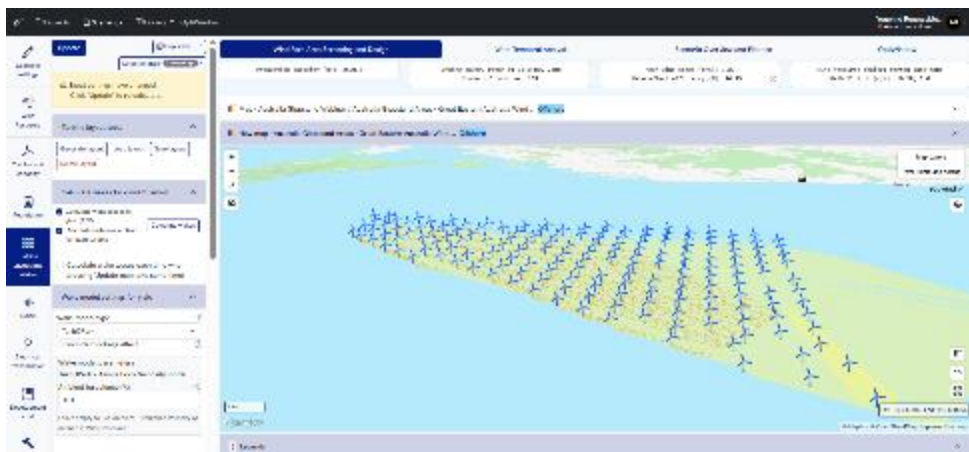
Area Screening

Screen global massive wind development zones for accurate LCoE heat maps and account for GIS constraints



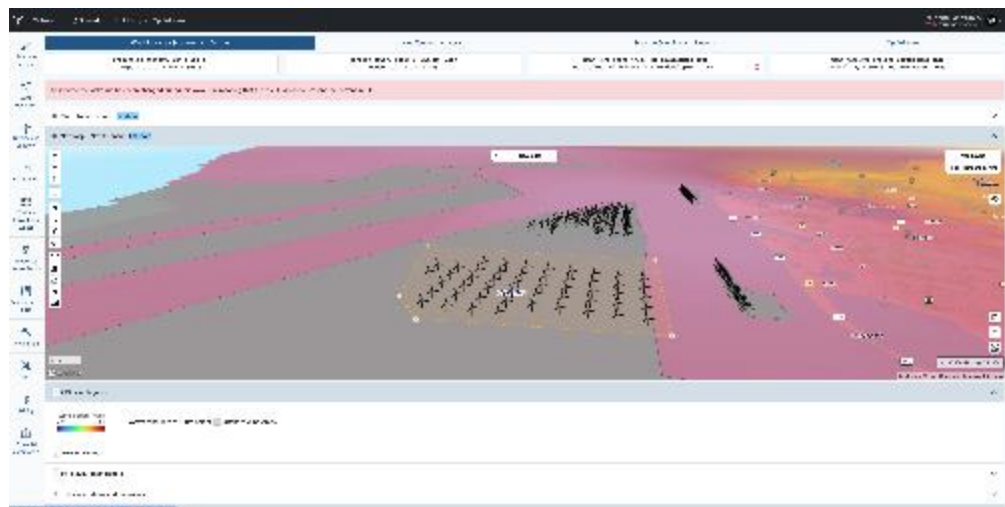
Wind Resource Assessments

Access to validated wind datasets from Vortex or upload your own, both at statistics or time series level



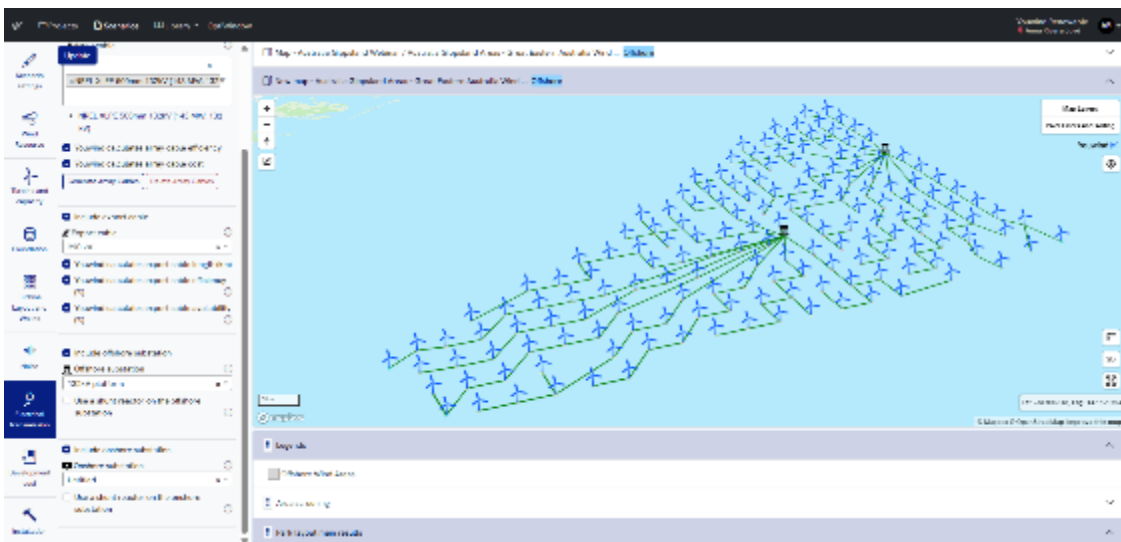
Validated and Advanced Wake Models

Run wake loss simulations with advanced models such as N.O. Jensen and TurbOPark, including blockage



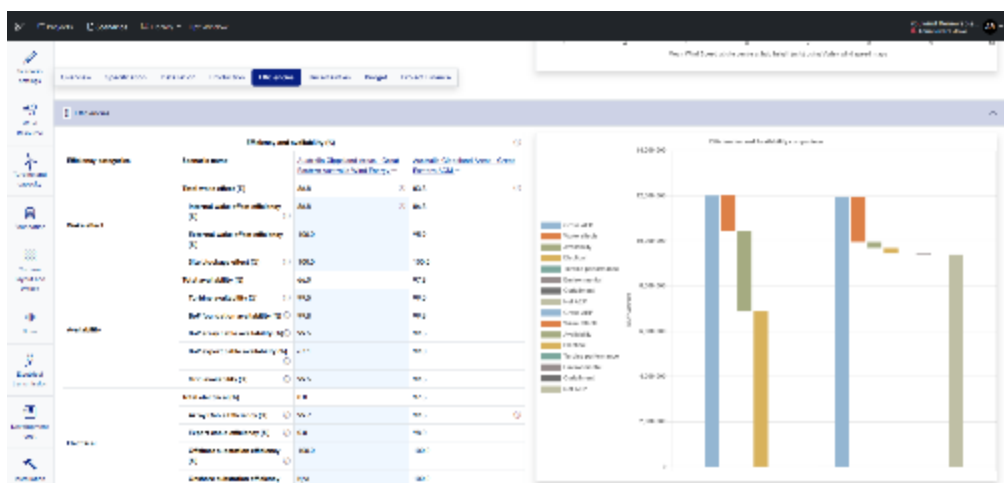
Layout Optimization with neighbouring effects

Visualize wake effects, estimate losses and optimise layout scenarios with our in-house **genetic algorithm**. Calculations performed with more than 5000 turbines in less than 1 hour.



Electric System Design

Efficient generation, optimization, and comparison of cable layouts and routing, incorporating bathymetry and electrical losses.



Bankable Yield Assessments

Generate reliable P50/P90 yield assessments by combining all losses sources, such as wakes, electrical, curtailments, availability, etc.



Examples Of Integrated Platform Functionalities For Onshore Projects.

- Onshore Wind Farm Optimisation for any given grid connection point
- Stakeholder management with 3D visual impact and noise simulations
- GIS Constraint Analysis, including exclusion zones and terrain characteristics
- Onshore Wind Logistics including Roads construction planning
- Financial & Cost bottom-up Modelling
- Seamless Collaboration & Data Security



Platform Technical Key Features - ONSHORE

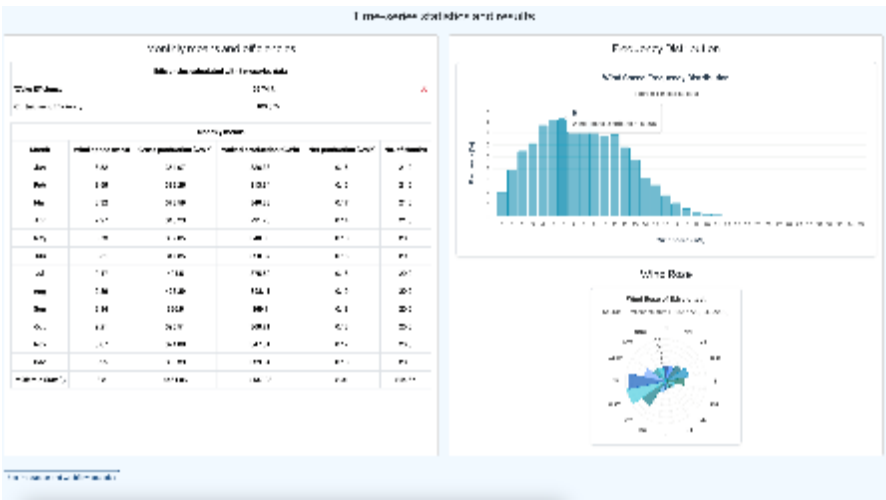


Full updated platform catalogue available upon request



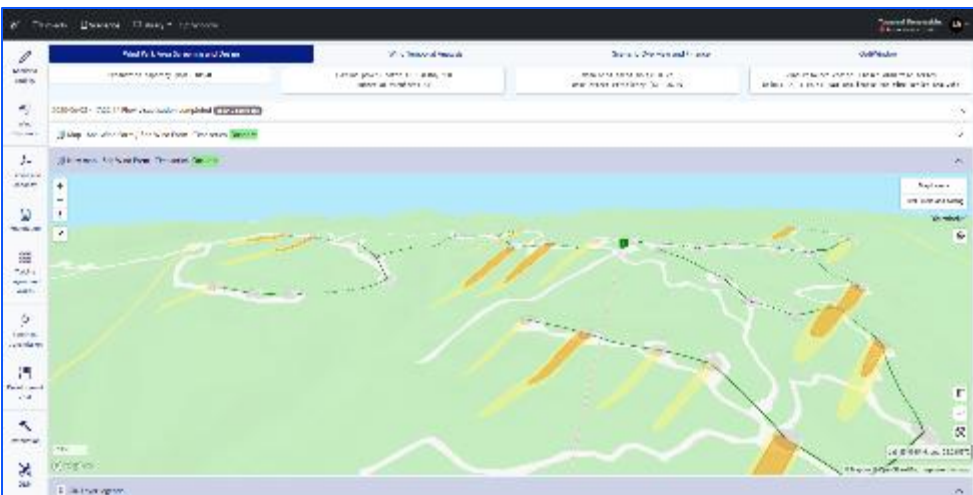
Area Screening

Screen global wind development zones with weekly data updates.



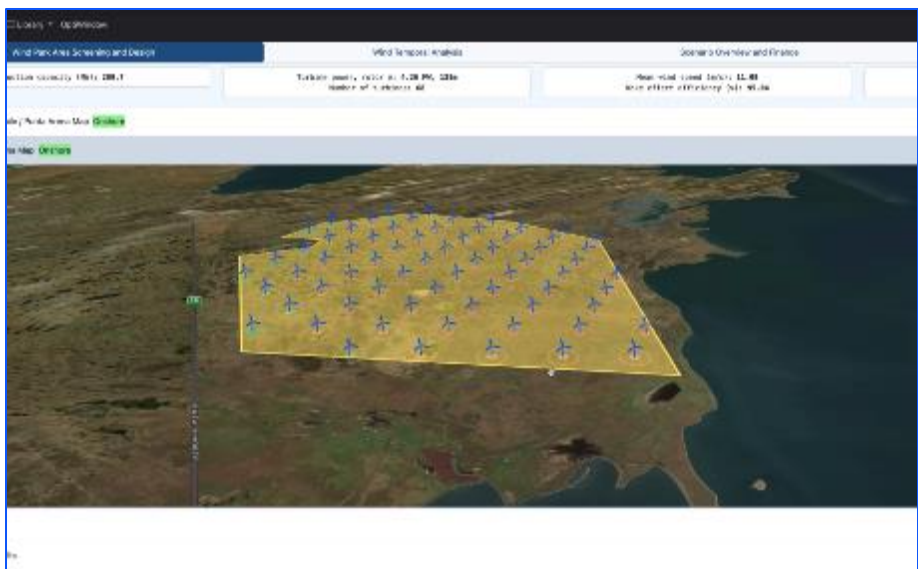
Wind Resource Assessments

Access validated wind datasets from Vortex or upload your own, both at statistical and time series range



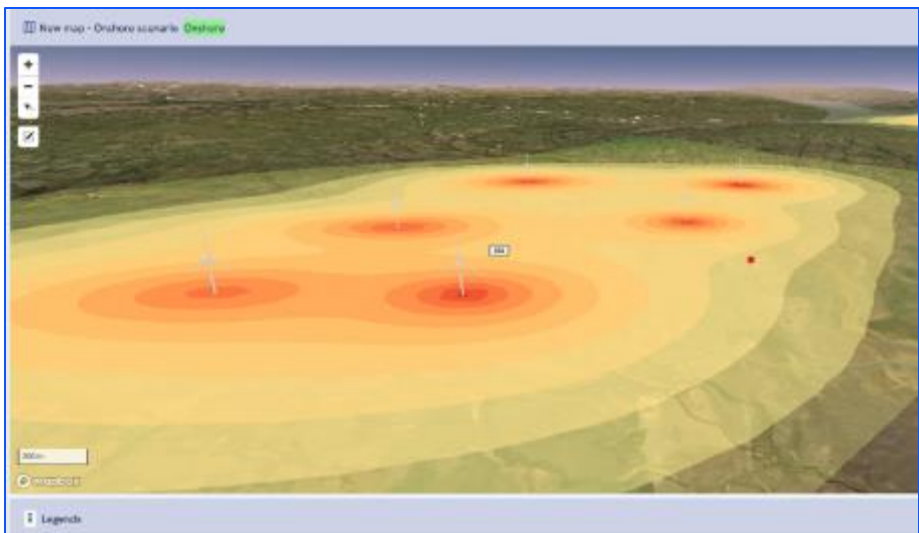
Validated Wake Models and Layout Optimization

N.O. Jensen ana Eddy Viscosity models to compare endless layout configurations



Turbine Site Suitability

Evaluate turbulence intensity, terrain complexity, and turbine class compatibility for lifetime integrity check



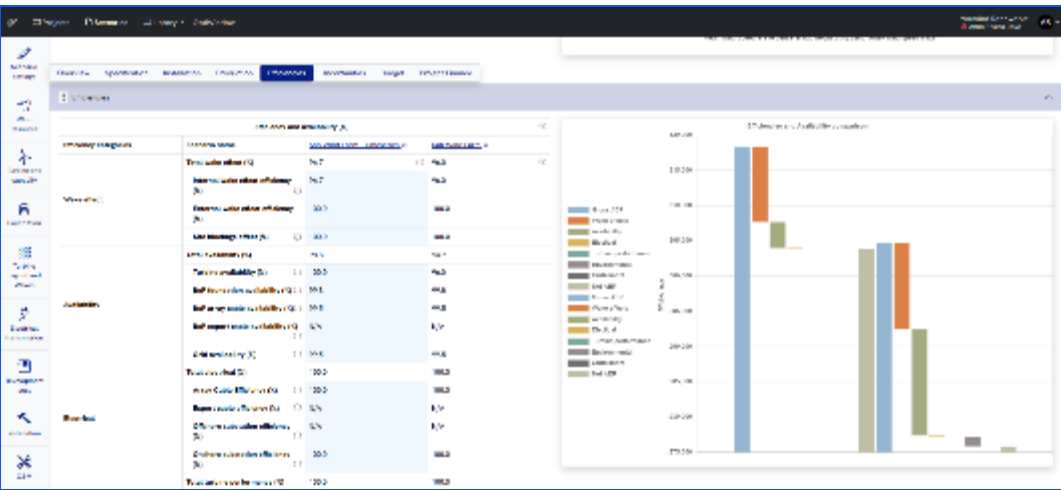
Noise Modelling and Visual Impact Assessment

Predict sound levels to assess environmental impact, ensure regulatory compliance, assess the visual impact from any viewpoint for best stakeholder management



Electric System Design

Efficient generation, optimization, and comparison of cable layouts and routing, incorporating bathymetry and electrical losses.

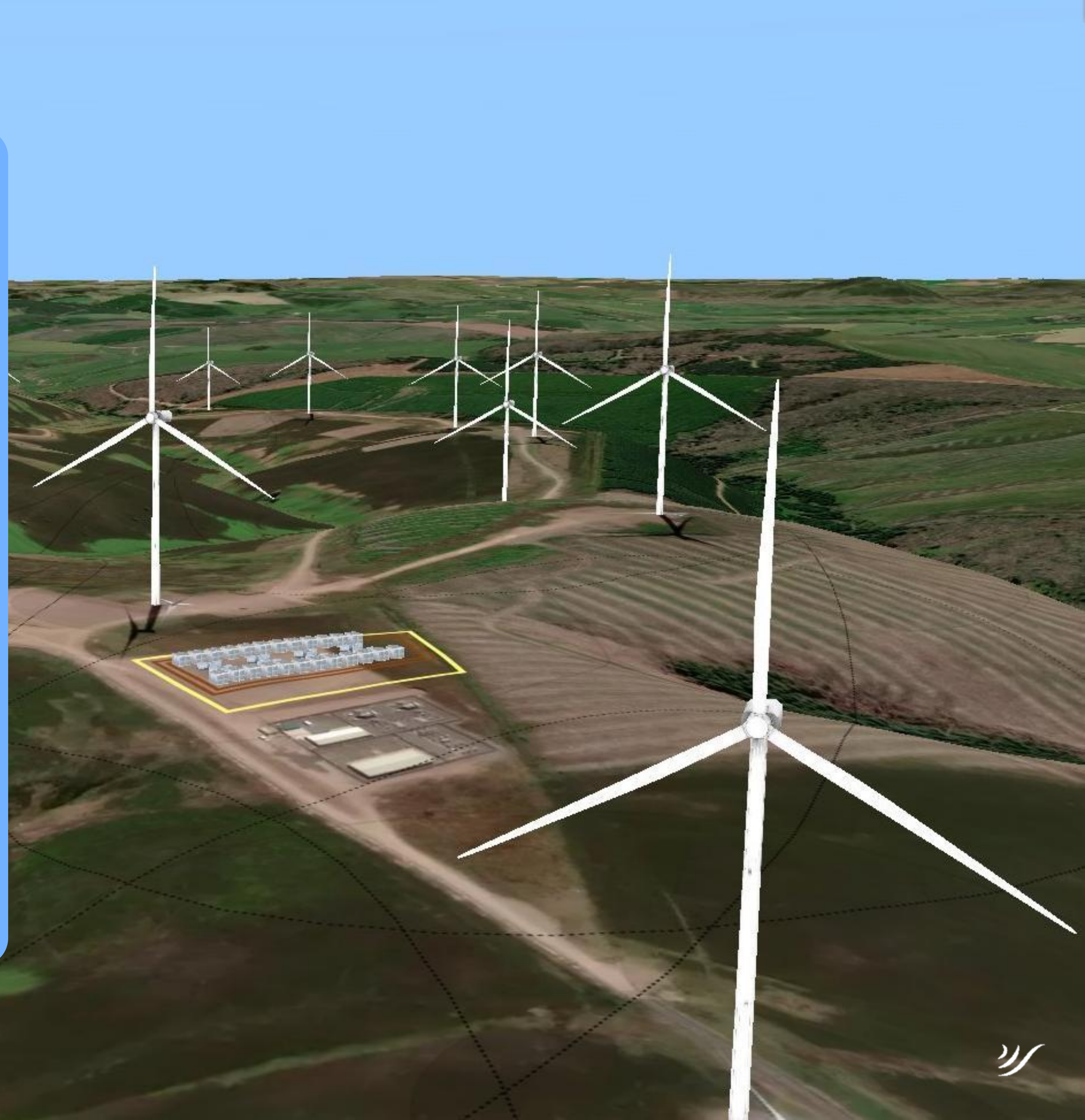


Bankable Yield Assessments

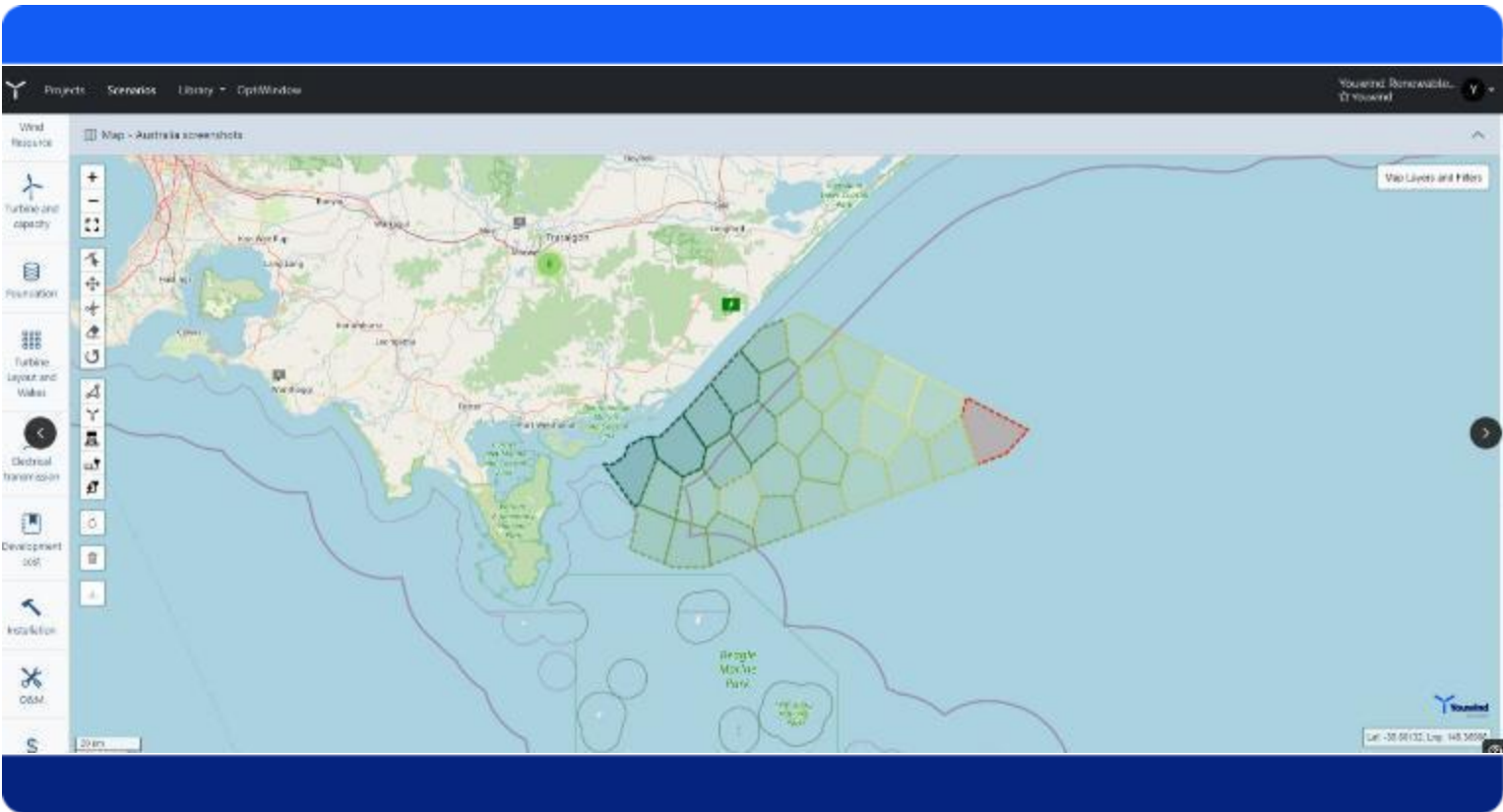
Generate reliable P50/P90 yield assessments by combining wake, electrical, and curtailment losses.

Examples Of Integrated Platform Functionalities For BESS.

- Layout Generation
- BESS dimensioning optimisation
- Timeseries Business Case Calculation
- Preset Libraries with API connections and Data portability options from users' libraries
- Cases comparisons for endless sensitivity analysis
- Financial & Cost bottom-up Modelling
- Seamless Collaboration & Data Security
- Site Screening & Exclusion Zones Handling



We Empower You To Make The Right Data-driven Decisions



Screen

01



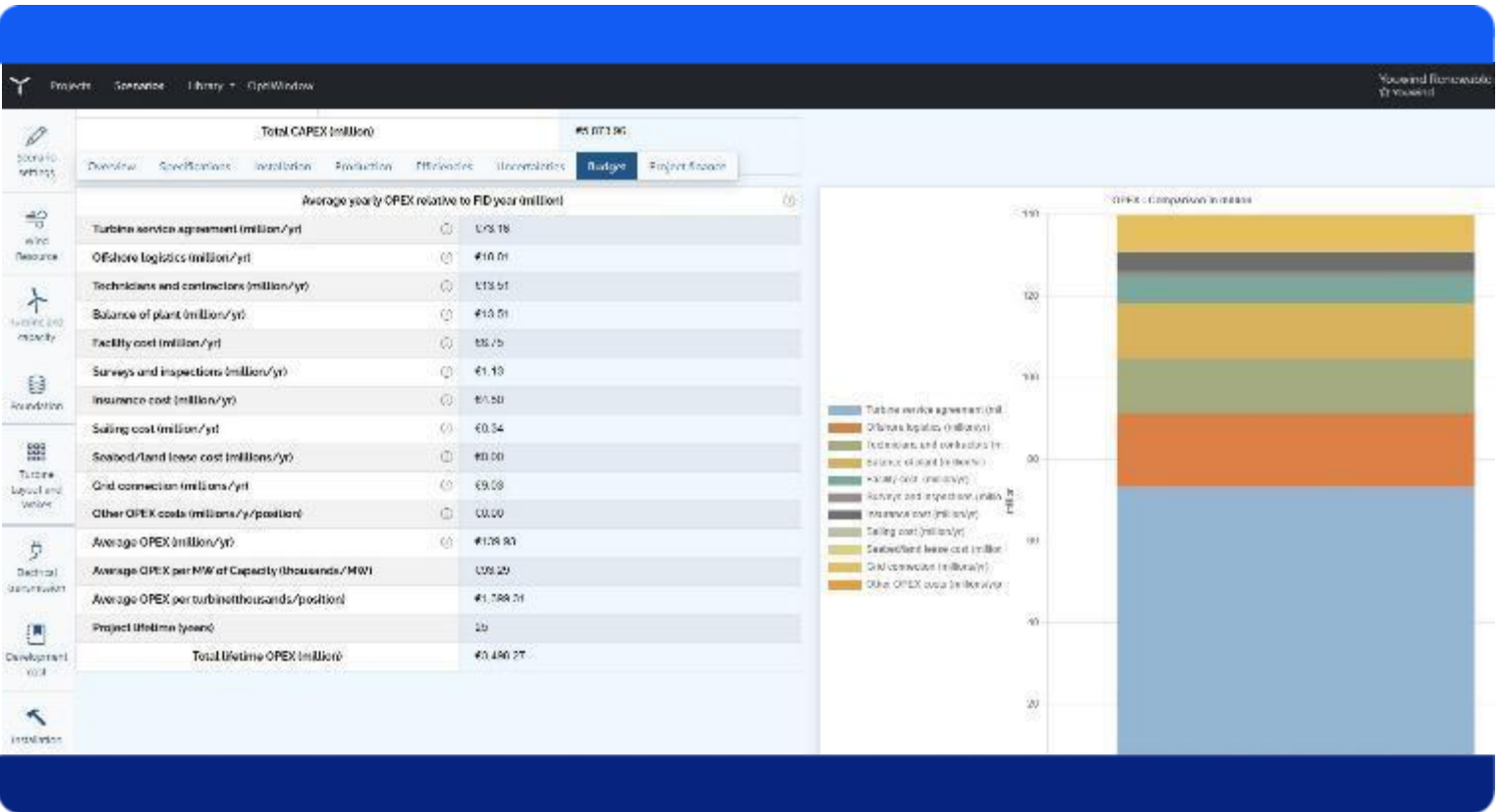
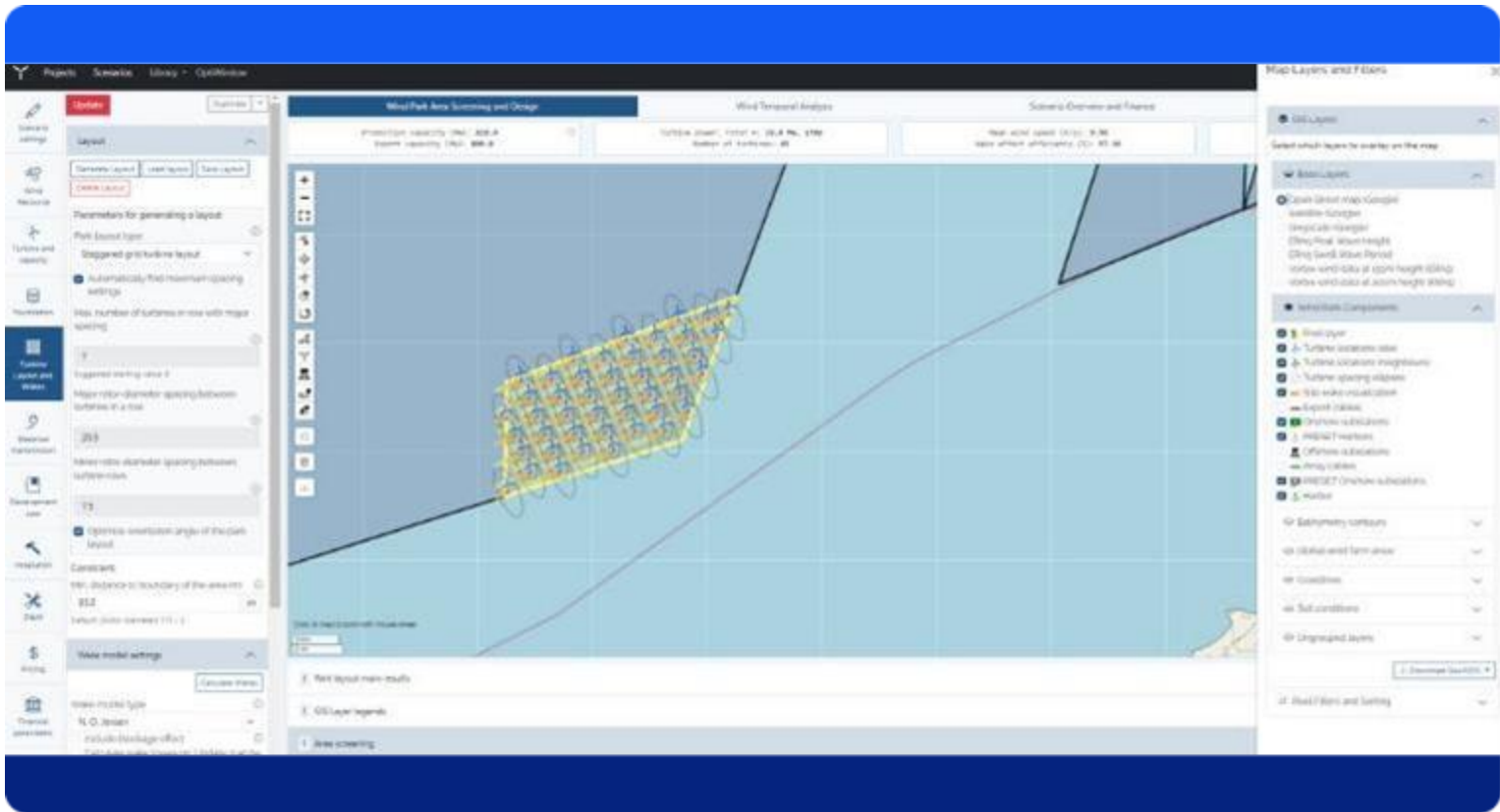
Optimize

03

Design

Decide

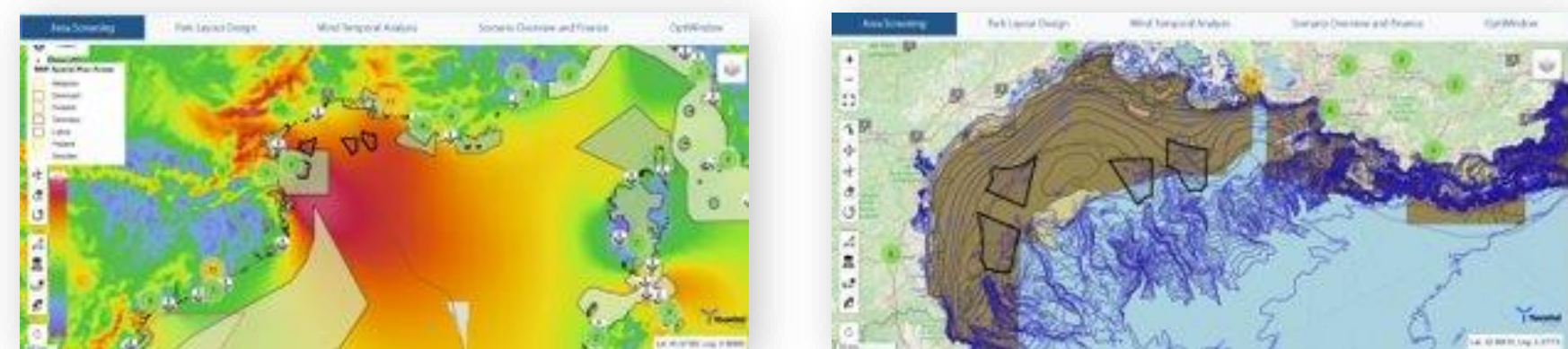
04



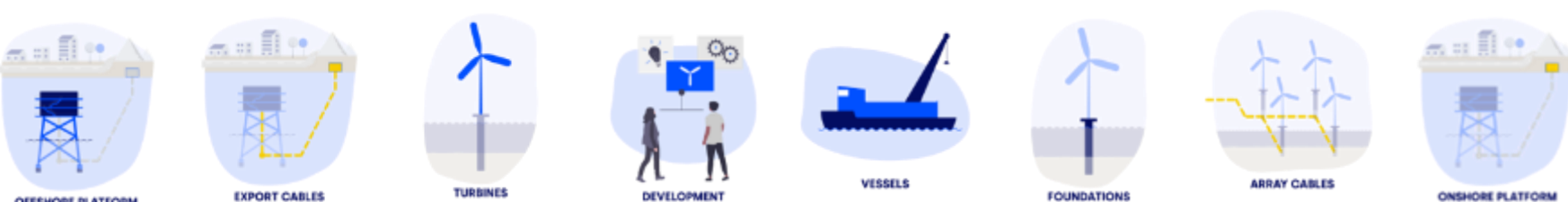
Workflow Example When Using Youwind Platform



Site data (Wind, Waves), GIS layers (Designated areas, bathymetry,...)



Wind farm Components
(Technical parameters & Costs estimates)



Advanced Engineering and Financial Modellings

$$\frac{\sum_{t=1}^n \frac{I_t + M_t + F_t}{(1+r)^t}}{\sum_{t=1}^n \frac{E_t}{(1+r)^t}}$$

Yield and Costs Models



Multicriteria optimization

Outputs

- AEP (P50, P90) down to bankable accuracy
- Losses (incl. wake modelling) and availabilities
- Constraint Analysis Maps and 3D Visualization
- Site- specific Turbine Suitability
- Overall bottom-up Costs breakdown
- Financials Indicators (LCOE/IRR/NPV)
- Projects' multiple Scenarios Comparison
- Uncertainties analysis
- Reporting & Data Export





03 OUR CLIENTS



We understand that every actor in wind energy operates under different realities. That's why our platform and guidance adapt to your role, requirements, and project complexity.

A Tailored Approach For Every Client

Our robust and flexible high-performance platform is designed to meet the unique needs of each client and project context and is paired with expert guidance to deliver the right solution every time.



Developers

Agile processes to enhance efficiency and increase in-house capabilities.



Major Developers

Scalable capabilities to optimise your projects and internal processes.



Consultancies and engineers

Strengthen profitability of advisory reporting and expand scope of internal capabilities for more tender applications.



Suppliers

Strategic insights to refine value propositions..



Governments and Institutions

Precise impact analysis for policy and planning.

Youwind provides the scalability and flexibility needed by both growing teams and global developers managing complex project portfolios. Our platform enables users to create, compare, and validate layouts with yield and financial scenarios easily, reducing bottlenecks and fostering team autonomy.



Core capabilities and services for all developer:

- Support seamless data portability and integration with internal tools via mature APIs.
- Prioritise feature development to meet evolving needs, with expert-led scenario creation and validation.
- Enable new team members to become autonomous users without burdening senior staff or requiring paid courses, while enhancing in-house knowledge.

Additional capabilities ideal for major developers:

- Seamless collaboration between decentralised teams globally.
- Advanced permissions handling and data security frameworks
- Setup for running multiple heavy simulations of thousands of turbines simultaneously
- Option to run the platform from dedicated servers.



04 THE SOUL OF YOUWIND



A Story Shaped By Years Of Experience



We, Anna Rivera and Edvald Edvaldsson, founded Youwind after experiencing the challenges of fragmented tools and siloed processes while working in Denmark’s offshore wind industry. As a strategic consultant and development engineer, we saw how these barriers slowed decisions and limited project potential. Our shared goal was to build a platform combining engineering rigour with usability, breaking down silos and enabling faster, smarter teamwork. What began as a simple idea has grown into robust, flexible digital solutions, now trusted across the wind energy sector to bring clarity and guide strategic decisions in both offshore and onshore projects.

2016

The motivation

While working for key players in the offshore wind industry in Denmark, Edvald and Anna experienced the lack of ready-to-use tools nor resources to develop them in-house properly, resulting in slow and non-collaborative wind projects development.

2018

Company launch

Youwind is founded as a first-mover SaaS solution, merging engineering and financial modelling to accelerate offshore development.

2019

Logistics capabilities

Launch of OptiWindow to optimise CAPEX and reduce weather downtime. First major developers join the platform.

2021

Innovation recognition

Nominated best start-up by WindEurope and Elia. Big consultancies begin using Youwind.

2022

Layout and yield accurate calculations

Launch of Pixel and Pixel Park for GIS constraint analysis and layout optimisation—enabling bankable yield assessments.

2021

Consolidation and expansion

Half of the top 6 offshore developers become recurring clients. Significant growth across EU and APAC, supporting 10+ award-winning projects.

2023

Usability and onshore launch

Half of the top 6 offshore developers become recurring clients. Significant growth across EU and APAC, supporting 10+ award-winning projects.

Pushing Wind Forward Through Cutting-edge R&D

At Youwind, we believe progress comes from action. We actively engage in R&D, collaborating with universities, institutions, and international programs to drive innovation in the wind sector. From advanced wind farm design to environmental and regulatory studies, our commitment to research and co-creation supports a more efficient and sustainable energy future.



2022-2026
ADOREd

This project trains the next generation of researchers in offshore wind and high-voltage direct current technologies.



2023-2027
SUDOCO

A cutting-edge project to develop advanced wind farm control techniques that incorporate technical, economic, and environmental aspects..



2024-2027
WIND-DIGIPOWER

This initiative develops innovative offshore wind solutions using advanced communication, power electronics, and control technologies to improve power system performance across scenarios.



2014-2018
H2SHIFT

A collaborative project focused on the development of alternative hydrogen production focusing on the cost-effective integration in windpark projects.



2024-2027
CDTI Spain Korea SKILLS

Brings together a consortium of technological entities from Korea and Spain to advance in the implementation of floating offshore wind farm technologies.



2022-2024
OPTIWIND

A collaborative project between Youwind, UPC, IREC, and ACCIÓ, aimed at developing tools for optimizing array cabling and export transmission in offshore wind farms.



"we believe in combining expertise with simplicity, helping teams adapt faster, work smarter, and shape a more sustainable and efficient future for wind energy. bridging the gap between policy requirements for a real green transition and actual wind power deployment rates is a core motivation for us"

ANNA RIVERA

CEO and Co-Founder of Youwind

EDVALD EDVALDSSON

CTO and Co-Founder of Youwind



05 NEXT STEPS



Are you ready for a Demo?

All Set In Four Steps

Kick off your journey with Youwind in just four clear steps. From the first demo to ongoing expert guidance, we make it easy to make the most of your platform and empower you to work quickly and effectively..

01

Demo Request

Get a hands-on look at the platform and clarify any initial questions with our team.

02

Technical setup and test

Configure and test your company account with the modules, data portability and integrations that match your project requirements.

03

Partnership model

Choose the model that fits your needs—annual subscription as the standard, with flexible alternatives available with highest confidentiality protocols included.

04

Ongoing support

Access the expert guidance you require, with onboarding and training, continuous follow-up with your doubts and our platform updates, all included in your subscription..



grounded digital solutions for
your wind farms development

LET'S TALK ABOUT WIND

Whether you're here with a question, an idea,
or an opportunity, we'd love to hear from you.

Book your live demo today

Youwind – Barcelona
info@youwindrenewables.com