



Bringing innovative solutions to the offshore wind industry

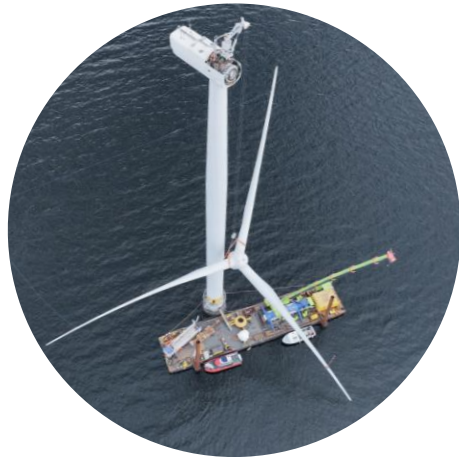
The ATOMS platform

SOLVE WIND

A JV between Esteyco and Liftra

Who is Solve Wind

SOLVE Wind was founded in 2023 with the desire of combining Esteyco's deep expertise with offshore platform technologies with Liftra's disruptive crane systems.



- Specialist within lifting and transportation solutions
- Founded in Denmark in 2003

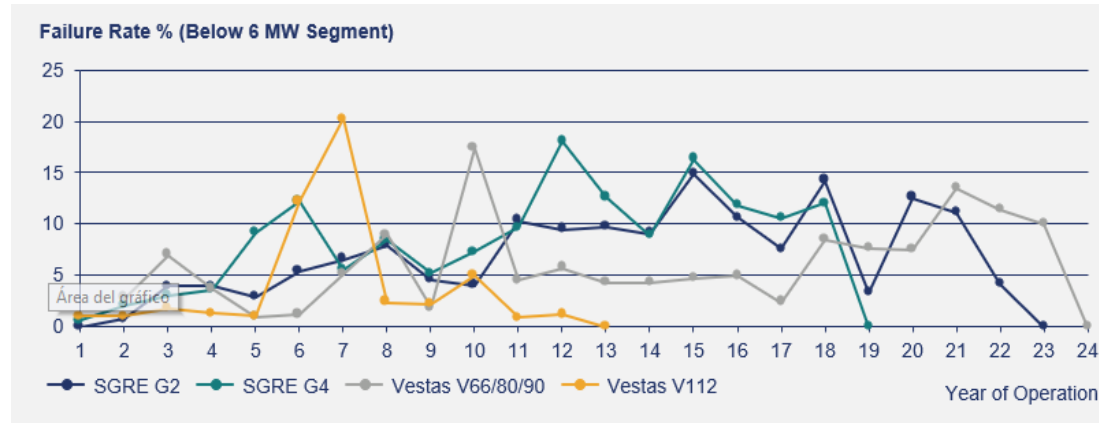


- Independent engineering and architecture consultancy
- 50-year legacy of global services

Industry challenges

in offshore O&M

Current O&M challenges in offshore wind



O&M costs account for ~30% of the total cost of offshore wind energy

Uncertainty increase in **technology reliability** leading to larger failure rates

Deeper water depths, bigger WTGs, longer distance from shore limit the number of jack-up vessels and their response time

JUV's availability constraints results in **enlarged revenue losses**

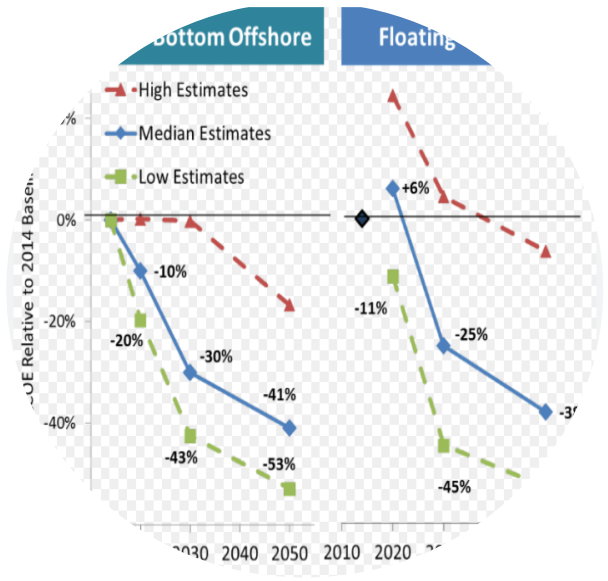
Upcoming challenges in offshore wind O&M



Floating wind requires on-site maintenance to control OPEX. Return to port is not an optimum alternative



Regional constraints. Availability of suitable means for O&M decreases exponentially outside European waters



LCOE objectives. OPEX control is essential to obtain expected revenues both in bottom fixed and floating wind

Our solution

The ATOMS Platform

The ATOMS is:

An innovative platform that can be **coupled directly** to the turbine substructure.

A solidary working deck allowing for commercial **add-on cranes to be installed for servicing** turbine maintenance.

A barge enabling **transport of components** to and from site.

A low-cost and scalable solution for offshore MCR.



A combination of proven technologies

The Liftra Self-Hoisting crane technology has been in commercial use since 2013, doing corrective operations worldwide.



The ATOMS platform uses the Coupling Ring System (CRS) already developed for Esteyco's ELICAN project.



Our first Gen 1 Platform – ATOMS ANA



Roadmap

Platform roadmap

Gen 1

For MCR on $\leq 6\text{MW}$ WTGs

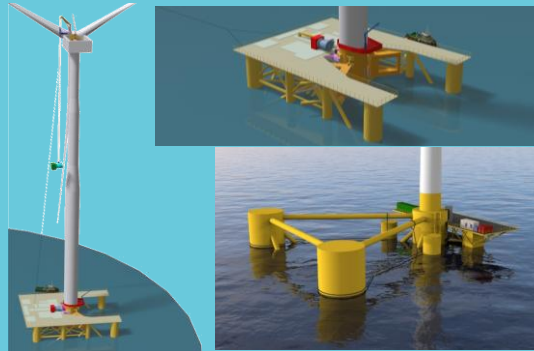
- 2026: 1st unit, ATOMS-ANA, ready for validating the technology offshore
- From 2027 onwards: commercial operations
- Operational experience will provide key lessons for Gen 2



Gen 2

For MCR on $\leq 16\text{MW}$ WTGs

- 2026: ongoing studies site specific
- 2026/27: Client's agreements
- 2028: first offshore operations
- From 2029 onwards: commercial operations



Gen 3

For WTG Installation & MCR

- 2026: ongoing studies site specific
- 2027/28: Client's agreements
- 2029: first offshore operations
- From 2030 onwards: commercial operations



Conclusions

The ATOMS Platform equipment

The ATOMS Platform enables cost-competitive, sustainable and fast-response on-site major correctives for offshore wind turbines



Improved LCOE

O&M costs make up for ~30%⁽¹⁾ of offshore wind's total costs. By eliminating the need for large jack-up vessels, SOLVE allows for drastic cost reductions in the total offshore wind O&M budget.



Faster response time

ATOMS provides higher availability and fast response, drastically reducing revenue losses. Between the ATOMS platform and the Self-Hoisting Crane, no other major equipment is needed.



Sustainable local economies

Small and simple to produce, the ATOMS platform opens the door for local content manufacturing and operation, while also addressing regulatory challenges such as the Jones Act.



Designed for the future

The ATOMS technology can perform MCR on both fixed-bottom and floating turbines and is easily scalable towards next generation WTGs, therefore supporting future offshore wind developments.



Greening the offshore supply chain

Brought to the site with the help of a standard tug-boat, the ATOMS platform lowers CO2 emissions. Once deployed, the on-board equipment runs on electric battery power.

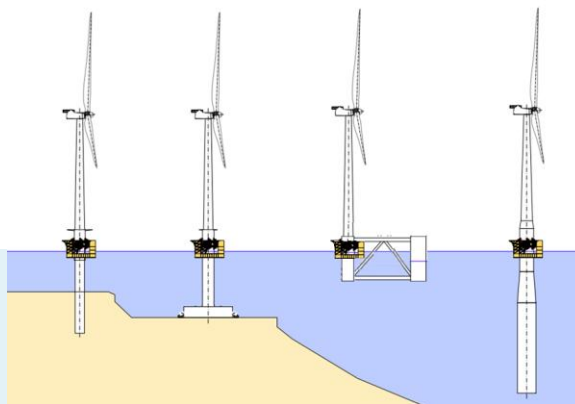


Demonstrated success

While Esteyco has pioneered new offshore technologies for offshore wind deployment, Liftra has disrupted the onshore wind O&M industry with their Self-Hoisting Crane. Building on the combined expertise, SOLVE WIND is ready to make an impact.



Bringing innovative solutions to the offshore wind industry



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