

HOPP

HYBRID OFFSHORE POWER PLANT

We redefine offshore energy systems: by adding baseload capability, efficiency + biodiversity

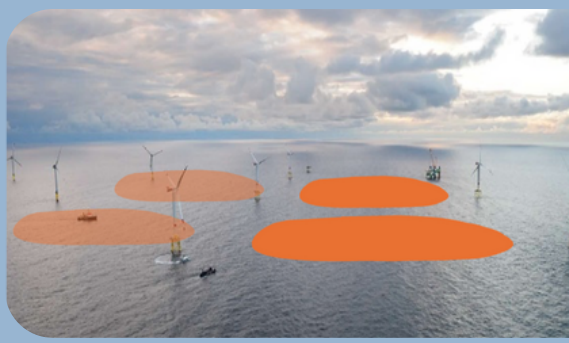
The global demand for offshore energy expansion is increasing rapidly. Nine European governments set ambitious expansion targets for the North Sea in April 2023: 120 GW by 2030 and even 300 GW by 2050.

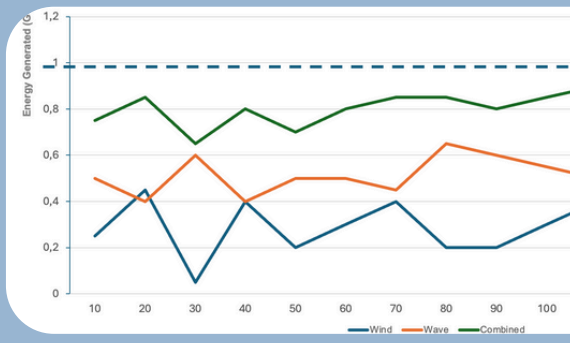
To achieve these goals, significant changes and realistic solutions are inevitable.

After 14 years of research, development and testing, we can present **HOPP** – the **H**ybrid **O**ffshore **P**ower **P**lant - offering an innovative approach of utilizing wind and wave energy resource in a novel truly hybrid system.

Two completely autark systems create a weather independent power plant. Existing offshore windparks are retrofittable.

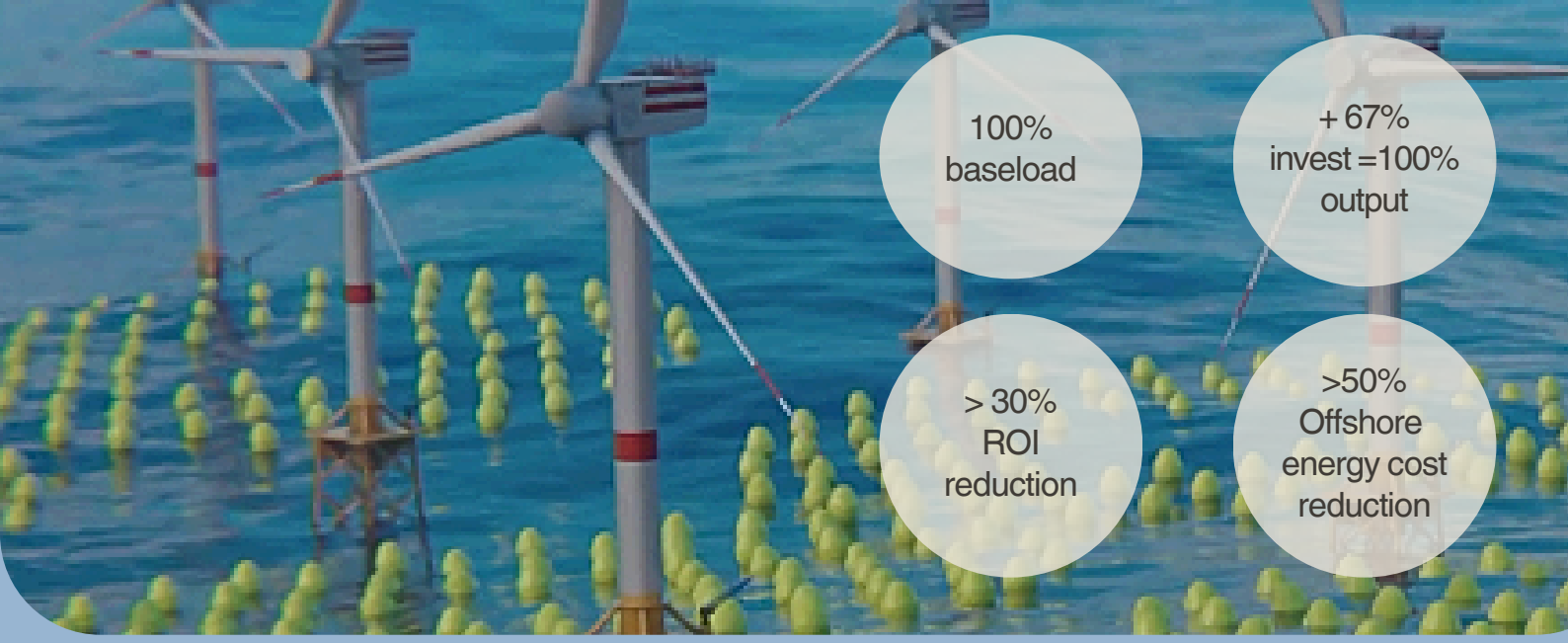
Full scalability is given by integrating standard floating wave energy grids within offshore wind parks and connected to the wind turbines feed-in points.





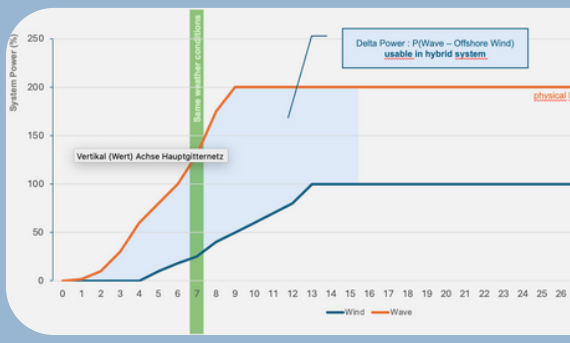
With a baseload capable HOPP we can meet the urgent need for economical, ecological and resource-saving energy generation.

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HOPP- Technology for a sustainable future

- We increase the efficiency of offshore wind assets and make them base-load capable
- We are compatible and easy to integrate within existing and new offshore parks
- We reduce wave heights hence loads on offshore structures
- We add artificial structures and establish new ecosystems which fosters biodiversity

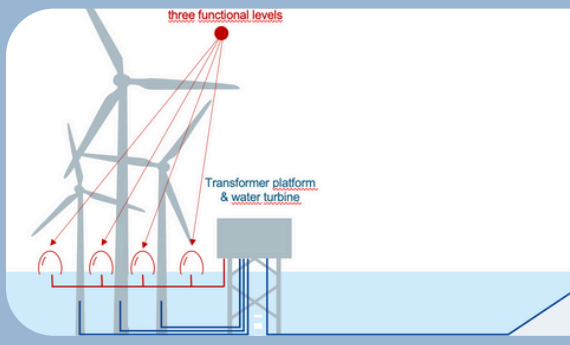


We make the offshore wind farm base-load capable at reduced costs

Our simple yet intelligent design reduces system risks and enables low maintenance cost for both systems by allowing maintenance work to be combined.

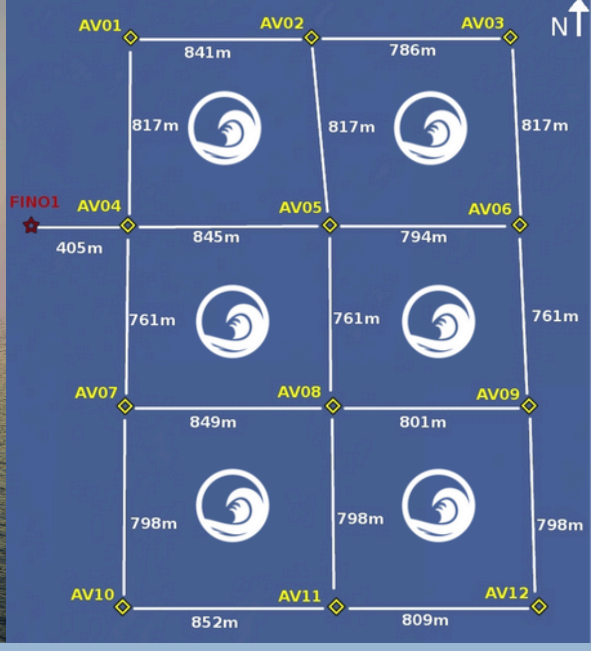
The safety distance to the wind turbines is maintained by an anchoring system.

With network shape and scalability, we ensure safe access for service ships while reducing peak loads with delivering continuous power supply.



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We protect and revitalize ecosystems

By using wave energy with our system, it is possible to reduce the wind farm´s footprint while maintaining the same output.

In addition to reducing the offshore area, our system structure is perfect for restoring natural ecosystems. We completely avoid the use of toxic oils and other pollutants.

Would you like to shape our future of offshore energy while protecting our environment and provide future-proof investments in renewable energy?



Then get in touch with us.



FOUNDER & CEO
Dr. Miklos Gäbler



CO-FOUNDER
Dipl.Ing. Britta Zuber



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