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We customize Renewables

SOcean

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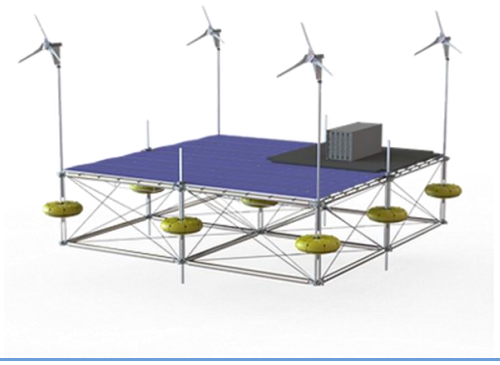
Floating photovoltaic system



System

The **floating hybrid energy system SOcean** has been developed **for harsh maritime environments**. The robust design **can withstand maximum wave heights of up to 20 m** and **wind speeds of up to 60 m/s or 216 km/h**. Compared to conventional offshore PV systems, the **SOcean offers a mix of different energy sources**

Applications

Supply for islands

With the help of the SOcean, remote islands can be supplied with green energy.

Aquafarming

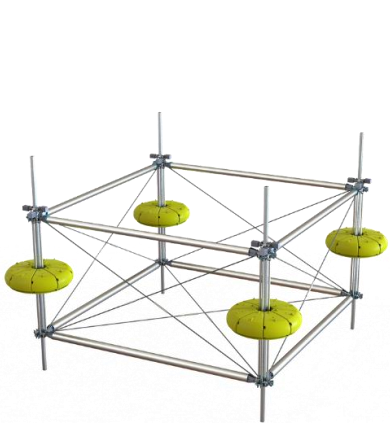
Fish farms can operate self-sufficiently and are no longer dependent on fossil fuels.

Use within offshore wind farms

Use of the areas between wind turbines: Photovoltaic systems are an efficient addition and, together with the wind source, offer a profitable energy mix.

Advantages

Hybrid model: wave, wind and solar energy



Depending on the project requirements and the project location, the SOcean can use different renewable energies. A **combination of wave, wind and solar energy** is also possible to achieve the best and most profitable energy mix. In addition, heavy-duty platforms can be integrated into the plant layout.

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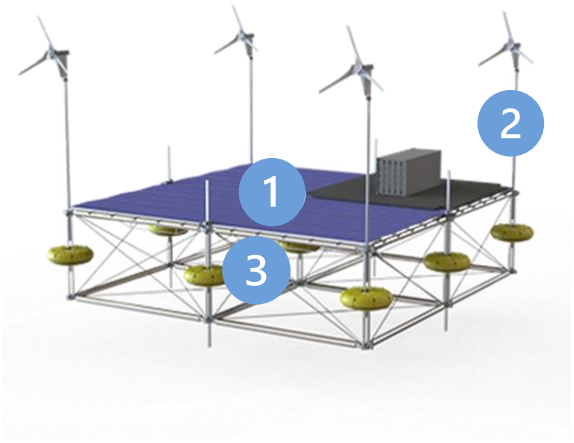
Oceans | Offshore | Supply of islands | Aquafarming

Construction

1. **Highest quality photovoltaic modules**
   Monocrystalline HJT-module
2. **Small wind turbines** can be mounted on the corner pillars if required.
3. **Wave energy converter** can be installed if required.



Key data (Photovoltaic block)

30 kWp Photovoltaics

12 m x **12 m** x **6 m**
length x width x depth

20 m max. wave height