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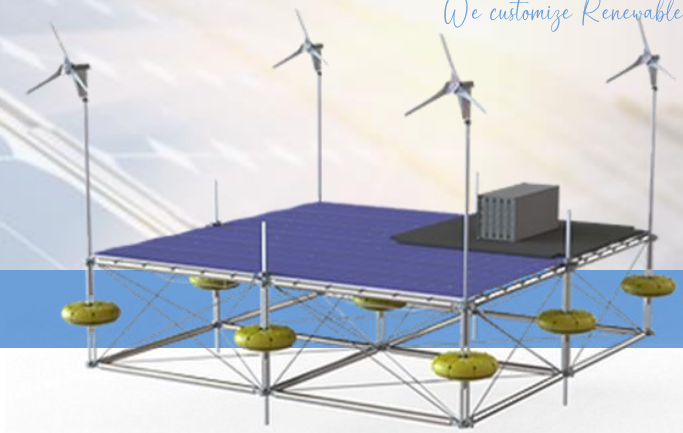
We customize Renewables

SOcean

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

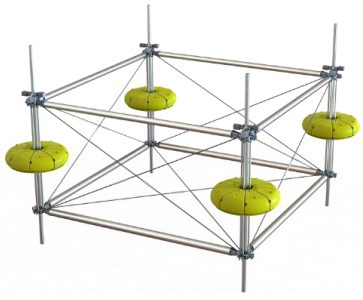
Supply for islands
With the help of the SOcean, remote islands can be supplied with green energy.

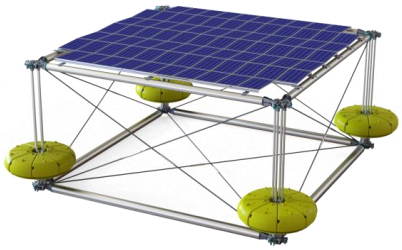
Aquafarming
Fish farms can operate self-sufficiently and are no longer dependent on fossil fuels.

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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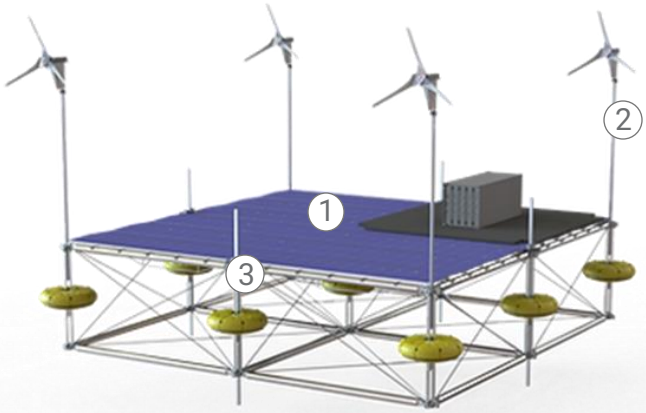
Oceans | Offshore | Supply of islands | Aquafarming

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