



Gaia Discovery Eco Solutions

Wave Energy

The movement of the waves in the sea can be converted into electrical energy. The consistent force generated by waves produces reliable power, rain or shine and in any climate. Wave energy is a fast path towards a renewable power system.

How It Works

Wave energy is harnessed by the energy converter. This is a floating device that generates electricity from the tilting movement of the wave action. A lever-operated pivoting float is anchored to the seabed at depths of 25m to 30m.

Energy converters are designed to withstand pounding waves. The wave motion triggers the movement of the lever, which in turn produces electricity. The carbon-free, sustainable electricity is then sent to shore, potentially for direct usage or for storage for delayed use.

This energy solution is suitable for small hotels and resorts, even in remote areas where electricity from the power grid is unavailable. The system can also be integrated with solar panels and wind turbines.

The energy converter comes in two output models: 1Kw and 5Kw. They can also be linked to a "offshore farm" for scaling up. The device is small, making it easy to handle, and posing no difficulty in maintenance.



How You Benefit

- ◆ Scalable for greater outputs
- ◆ Extremely affordable
- ◆ Highly accessible
- ◆ Virtually no environmental impact
- ◆ Energy source is wave - free, clean, highly reliable
- ◆ Easy installation
- ◆ Durable

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