

# Ocean energy

## The next big thing in energy

### What is ocean energy?

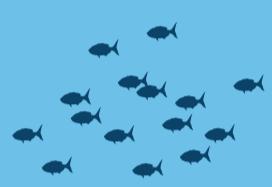
Ocean energy can provide **10% of Europe's current electricity** needs by 2050.

The oceans are the world's largest untapped source of energy. Ocean energy technologies exploit the power of tides and waves, as well as differences in temperature and salinity, to produce energy.

Tidal stream technologies, wave energy converters and ocean thermal energy conversion (OTEC) are all types of ocean energy.



That's enough to power **94 million households** per year.



Abundant, limitless and free energy - right on Europe's doorstep.



### A new industry for Europe

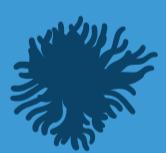
**100GW of ocean energy** in Europe by 2050 will have huge economic benefits.



**400,000 European jobs** by 2050.



**New opportunities** for traditional maritime industries.



**Revitalising coastal regions.**



**Ocean Energy Europe**

[www.oceanenergy.eu](http://www.oceanenergy.eu)

## The ideal partner for wind & solar

Ocean energy makes a 100% carbon-neutral energy system a reality.



Predictable far in advance, even decades ahead.



Produces at different times to wind & solar.



Enables better balancing of electricity supply and demand.



## A climate-friendly solution

Ocean energy emits no CO<sub>2</sub> and has no known environmental impact.



Studies show that marine life is unaffected by ocean energy.



234 million tonnes of CO<sub>2</sub> can be avoided in Europe by installing ocean energy.



Ocean energy is almost invisible and enjoys strong public support.

## An export opportunity for Europe

Europe can be a pioneer in exporting its technology to a huge global market.



Thanks to Europe's technological leadership, nearly all existing projects worldwide use European technology.



Europe can dominate an estimated €53bn global annual market.



A chance to replicate European successes in offshore wind.

## Energy security and independence

Ocean energy can reduce Europe's reliance on fuel imports.



European seas are an indigenous and infinite power source.



Energy independence for islands, avoiding expensive and polluting diesel.



Slash the EU's €266bn annual fossil fuel import bill.