

Innovations supported by DMEC



Marine energy sources

Wave & Tidal energy, Offshore solar, Salinity, Floating offshore wind



Offshore storage & power-to-X

Offshore hydrogen & batteries and Innovative vectors



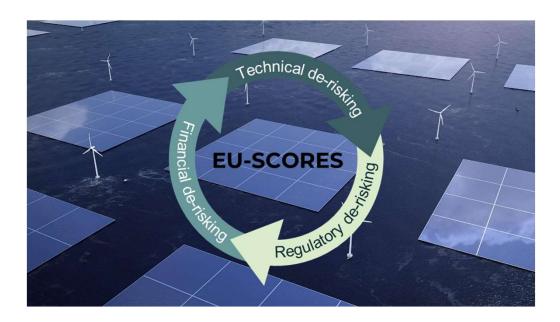
Nature inclusive designs

Physical & process innovations to avoid, reduce, & offset impact or enhance nature





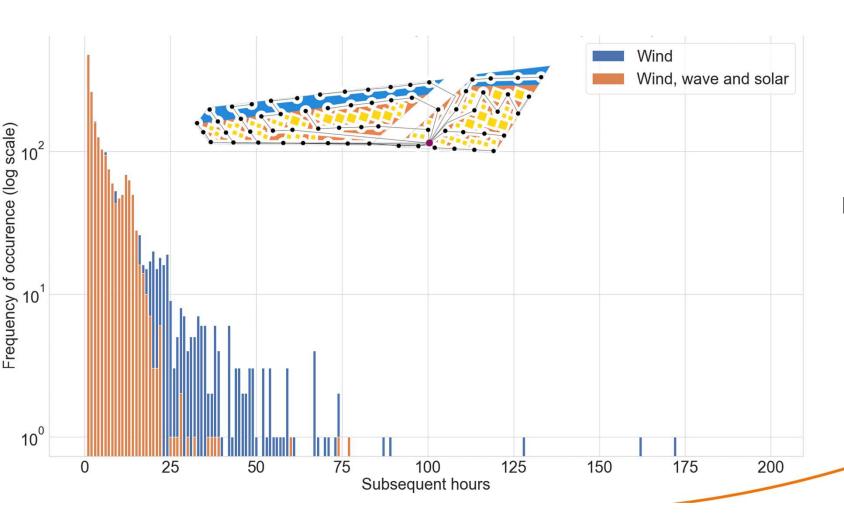








Multi-use scenarios



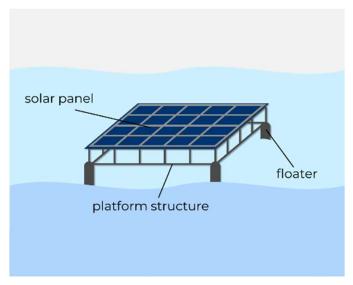
Hours of low output decreased by >85%

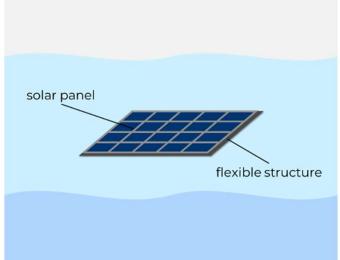


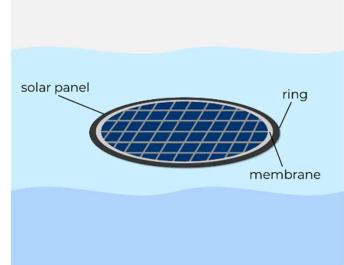
Offshore floating solar market review



Floating solar concept assessments





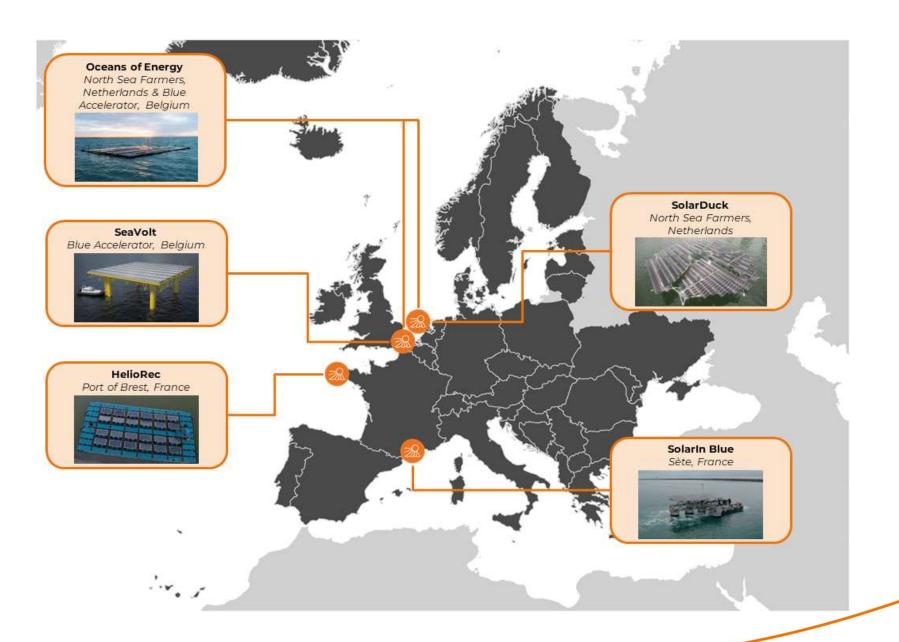




European Developers

Country	Name	Description		
Netherlands	Bluewater & Genap	Foil concept/flexible pontoon concept		
Norway	Fed Olsen 1848	Pontoon concept		
France	HelioRec	Flat mat system based on floating pontoons		
# Norway	Moss Maritime	Elevated system based on steel, rectangular platforms		
Netherlands	Oceans of Energy	Flat mat system based on floating pontoons		
H Norway	OceanSun	Floating "fish farm" foil concept		
Austria	Swimsol	Elevated system		
Belgium	SeaVolt	Elevated system based on 4 big steel floaters		
Germany	SINN Power	Elevated system		
Netherlands	SolarDuck	Elevated system based on aluminium, triangular platforms		
France	SolarInBlue	Elevated system based on steel		







Offshore floating solar pipeline

Crosswind/Hollandse Kust Noord	Oceans of Energy	0.5 MW	Netherlands
EU SCORES/NSR 3	Oceans of Energy	2.6 MW	Belgium
Tokyo bay	SolarDuck	0.2 MW	Japan
Tioman island	SolarDuck	0.8 MW	Malaysia
Hollandse Kust West	SolarDuck	5 MW	Netherlands
Gran Canary Islands	Ocean Sun	0.25 MW	Spain
Singapore (Strait & Jurong)	Ocean Sun	2.7 MW	Singapore
Sunset Extension	SolarinBlue	1 MW	France
Mangalore – Arabian Sea	SolarinBlue	1 MW	India

~ 14 MW pipeline

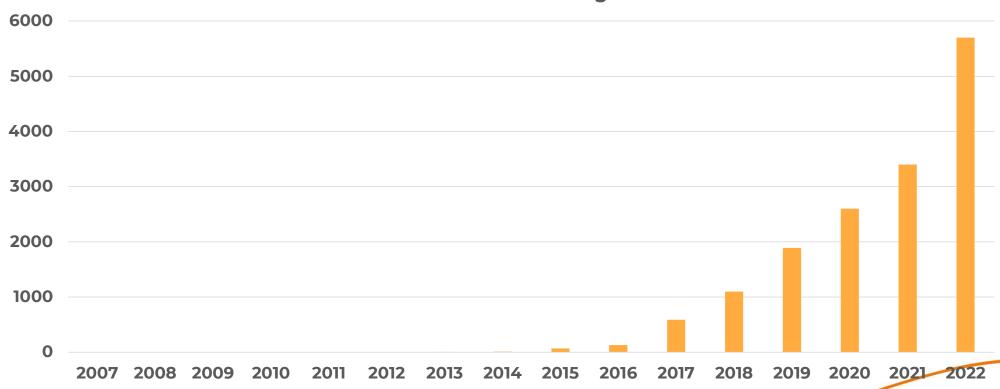


Offshore floating solar forecast



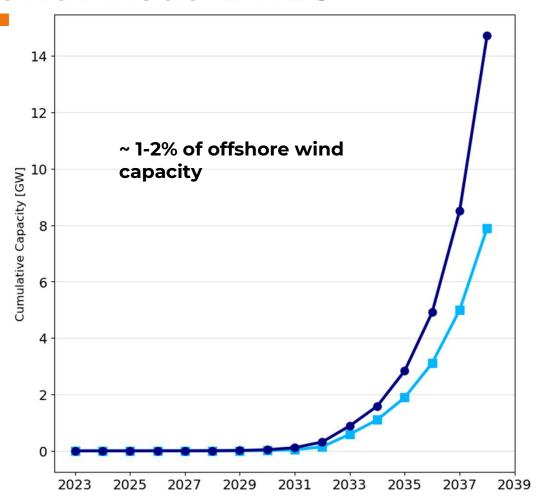
Growth example: Onshore PV







Growth model DMEC



Current LCOE ~350 €/MWh

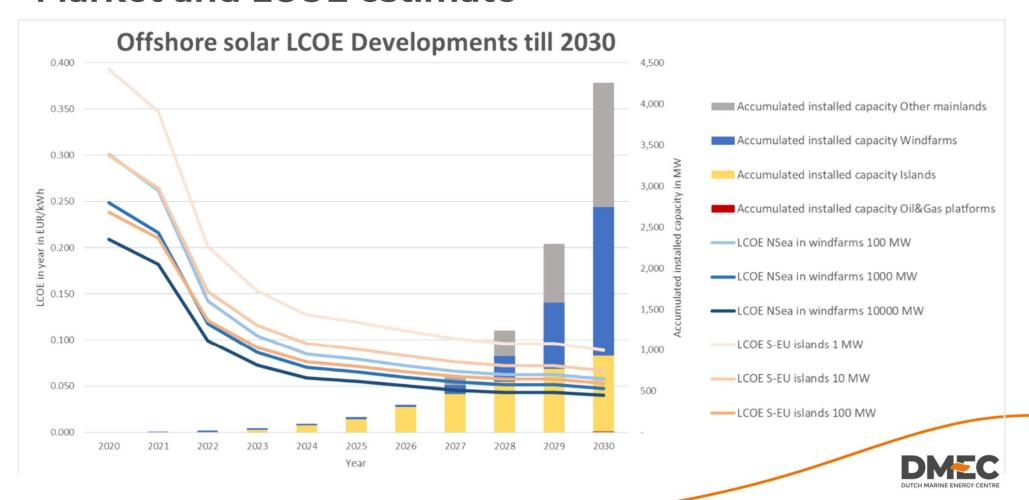


2033: 50-70 €/MWh





Market and LCOE estimate



Stakeholder event

Presentations and debates on the implications and opportunities of multisource energy parks.



2 July 2024 Oostende, Belgium



Get in touch

- Learn more about multi-source energy parks
- Explore the potential of research and demonstration projects
- Discover the space of offshore energy innovations



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