



Foto: Paul Langrock

AgriPV, floatingPV and battery storage technologies.

RWE is investing in the development of innovative solar solutions. Floating photovoltaic technology enables the expansion of solar power on lakes or other bodies of water. The potential of floating PV systems for generating electricity and protecting the climate is enormous and remains largely untapped. In densely populated regions with a high energy demand, floating PV technology could provide the crucial advantage needed for the expansion of renewable energies. Moreover, solar modules installed on floats promise high yields. With their proximity to water, the solar cells could be cooled naturally, allowing them to work efficiently even at high outdoor temperatures.

To be able to respond to the challenges associated with the energy transition in a more flexible way, RWE is investing increasingly in hybrid renewable energy projects. These involve a combination of photovoltaics with other technologies such as onshore wind power, battery storage, flexible backup capacities as well as hydrogen.



More information about our agriPV demonstration plant



More information about our PV research and innovation projects

In the agricultural sector, we see plenty of potential for developing agri-photovoltaic systems. This involves the mutually beneficial use of farmland for electricity generation as well as for food cultivation or livestock farming. The objective of the initial research projects is to develop suitable management methods and operating concepts.

Sustainability for everyone.

All solar projects developed at RWE Renewables make a positive contribution to the sustainability goals for the environment, society and corporate governance. Creating value locally, engaging in open dialogue and working together with our stakeholders, including local authorities and their communities, play an important role in our development and construction projects. We are interested in long term collaborations in particular and we are committed to taking responsibility as an employer and business partner in every region in which RWE operates.

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RWE

Welcome to the sunny side.

RWE is one of the world's leading providers in the construction and operation of solar farms.



Our energy for a sustainable life.

Leading the way to a green energy world, RWE is driving forward the net-zero goal for industry and society.

RWE has set itself the goal of achieving net zero by 2040. As part of its growth and investment strategy "Growing Green", the company is investing 55 billion in expanding its green portfolio to more than 65 gigawatts (GW) by the end of this decade. Our generation portfolio encompasses offshore and onshore wind, solar, battery storage, hydropower, biomass and gas. And we are implementing a number of projects to ramp up hydrogen. RWE has company locations in the attractive markets of Europe, North America and Asia-Pacific, and we employ around 20,000 people worldwide.

RWE is both setting the pace and shaping the green energy world.

The solar market is one of the cornerstones of the energy transition and is expected to grow rapidly over the next few years. RWE sees enormous potential for development at an international level, particularly in Europe, the US and Australia, where the company is already actively involved in project development, construction and operation.

Our goal: Net zero by **2040**



Growth rate in the solar sector higher than ever.

As an energy company, RWE is carving out a very ambitious position for itself in the global solar business. Measured by the capacity of plants both under construction and in operation, RWE is ranked number two in the US for solar, number three in the UK for wind and solar, and number four in Europe for wind and solar. In total, the company has 4.2 GW of solar capacity already in operation, with a further 3.1 GW either approved or under construction as per 31.12.2023.

Worldwide, RWE has actually a solar pipeline of 26 GW. In Australia, RWE operates the large-scale Limondale photovoltaic plant with an installed capacity of 249 MWac. It comprises around 872,000 solar modules and covers an area of 770 hectares. Part of the portfolio are RWE operates numerous other solar farms, mainly in Spain, Germany, Poland, Greece and the Netherlands.

Expansion of green generation capacity to

65 GW
by 2030

RWE as a global player: number two in the solar business in the US.

RWE is sustainable, versatile and above all, international. Founded 125 years ago at our corporate headquarters in Essen, today we have subsidiaries all over the world. RWE now holds a leading position in all core regions - in the EU, the UK, and the US, where RWE rose to become the second largest solar energy company on the market following the acquisition of Con Edison Clean Energy Businesses in 2023. Photovoltaic activities in Europe have gained additional momentum due to the major acquisitions of Alpha Solar in Poland, JBM Solar in the UK as well as our collaboration with PPC Renewables in Greece.

Selected projects

In operation	in MWac
Limondale, Australien	249
Hickory Park, USA	196
West of the Pecos, USA	100
Casa Valdes, Spanien	44
Solar Park Amer, Niederlande	6
Big Star, USA	200
Morgavel, Portugal	46
Gazules, Spanien	92

Under construction	in MWac
Amynteo Cluster I und II, GRC	200



More information about our projects under development, construction and in operation

Our integrated business along the entire project value chain allows maximum value to be captured



*Levelised Cost of Energy

Grow, act, care - Priority topics from RWE's Sustainability Strategy.

