

# RWE



## RWE in Spain

**Our energy for a sustainable life**

# About RWE

RWE is leading the way to a modern energy world. With its investment and growth strategy, RWE is contributing significantly to the success of the energy transition and the decarbonisation of the energy system. Around 20,000 employees work for the company in almost 30 countries worldwide.

As one of the leading companies in the field of renewable energy, RWE is well positioned to address the growing global demand for electricity. Driven by further electrification and artificial

intelligence, the company is investing billions of euros in expanding its generation portfolio, in particular in offshore and onshore wind, solar energy and batteries. This is perfectly complemented by its global energy trading business.

RWE is decarbonising its business in line with the 1.5-degree reduction pathway and will phase out coal by 2030. RWE will be net zero by 2040. Fully in line with the company's purpose - **Our energy for a sustainable life**

## RWE in Spain

RWE Renewables Iberia is a key driver of the Spanish energy transition. We operate 18 onshore wind farms with a total capacity of around 500 MW and six large-scale solar power plants with a total capacity of around 250 MWac in Spain.

RWE is actively developing new green projects across the country and is involved in each step of the value chain, from the scouting of potential sites, feasibility studies and construction through to the dismantling or repowering of wind farms - always in close cooperation with residents and decision-makers.

RWE in Spain



### Facts & figures:



RWE has been present in the Spanish renewables market since **1997**



Headcount of **200 and growing**



We operate **500 MW at 18 onshore wind farms**



We currently operate around **250 MWac at 6 PV plants**







# Onshore wind

## Shaping the future of energy with wind power

Wind energy is a cornerstone of the clean energy transition. In Spain, RWE operates approximately **500 megawatts of onshore wind capacity**. With a dedicated team of experienced employees, we work hand in hand with local communities to design and deliver sustainable, reliable and valuable wind farms. Backed by its global expertise, RWE covers the entire value chain — from development and construction to long-term operation of wind farms.

### Repowering

Over the past two decades, wind power has evolved into one of the most efficient renewable energy sources worldwide. Not only has the number of turbines increased, but the capacity of each individual unit has grown significantly. In addition to constructing new wind farms, modernising existing wind farms is an efficient way to generate more wind power with fewer turbines. In Spain a total of around 20 gigawatts of onshore wind capacity with an operating life of more than 20 years is expected to be installed by 2030. Of the 20 GW, around 10 GW will reach 25 years of operation, representing huge potential for repowering. Repowering is therefore an important opportunity for Spain to increase its renewable energy production while reducing its environmental impact.

### Sustainability and wind power go hand in hand

RWE operates more than

**500 MW**

in onshore wind farms in Spain

Repowering of  
Old Muel wind farm,  
located in the Aragon  
region near Zaragoza.



Este proyecto recibe financiación del Mecanismo de Recuperación y Resiliencia, establecido por el Reglamento (UE) 2021/241 del Parlamento Europeo y del Consejo, de 12 de febrero de 2021, a través del Plan de Recuperación, Transformación y Resiliencia – Financiado por la Unión Europea – NextGenerationEU.



## Sustainable lighthouse projects in Spain

### Repowering of Muel wind farm

RWE is repowering its Muel wind farm, located in the Aragon region near Zaragoza. Muel is one of the first onshore projects operating in this region undergoing such an extensive modernisation programme. In total, 27 wind turbines with a combined capacity of 16.2 megawatts will be dismantled and replaced by three modern 6.6 MW turbines with a total capacity of 19.8 MW. 1,350 old components will be refurbished for later use in other RWE wind farms.

More than 99 % of the materials will be recycled. For example, the 81 blades will be recycled at the Waste2Fiber® wind blade recycling plant that ACCIONA, ACCIONA Energía and RenerCycle are currently developing in Lumbier.

### Orkoien wind project

Near Pamplona, RWE has commissioned its groundbreaking onshore wind project Orkoien – a 5.7-megawatt onshore wind turbine. Two innovative technologies help to reduce environmental impact. During the construction phase, special plastic mats were used for the first time in Spain. The great advantage they offer is that, in temporary work areas such as access roads and storage sites they minimise the construction-related impact on the soil.

Once the work is over, the vegetation can regenerate completely. And the mats, which are partly made of recycled material, can be reused in other projects. The second technology, which was used for the first time in the Orkoien pilot project, avoids the use of greenhouse gas. In the medium-voltage switch-gear at the base of the turbine tower, the use of an insulating agent was necessary. In the past, SF6 (sulphur hexafluoride) gas was used for this purpose. By using the SF6-free switch-gear, RWE tested a climate-friendly alternative.

Interested  
in leasing your  
land for an onshore  
wind farm?



Repowering of  
Muel windfarm.



Orkoien project,  
near Pamplona.





# Solar energy

## Using the Spanish sun

RWE operates large-scale solar projects with a focus on sustainability and innovative solutions for day-to-day operations. In Spain, RWE currently has six solar parks in operation, with a total capacity of around 250 MWac.

In 2024, RWE commissioned its largest Spanish solar project to date. Gazules is a 92-megawatt (MWac) ground-mounted photovoltaic plant in the province of Cádiz in Andalusia. It consists of two solar projects - Gazules 1 and Gazules 2 - each with a rated capacity of 46 MWac. RWE installed around 240,000 bifacial modules on a total area

of 140 hectares. The utility-scale solar farm first fed electricity into the grid in February 2024 and was gradually put into operation, with full commissioning in April. Gazules is able to supply the equivalent of 20,000 Spanish homes with green electricity annually.



Want to know more about the operation and maintenance of solar farms? Simply scan the QR code.





Gazueles solar project  
close to Cádiz province  
in southern Spain.

RWE currently has six solar parks in operation  
with a total capacity of around

**250 MWac**



# Battery storage systems

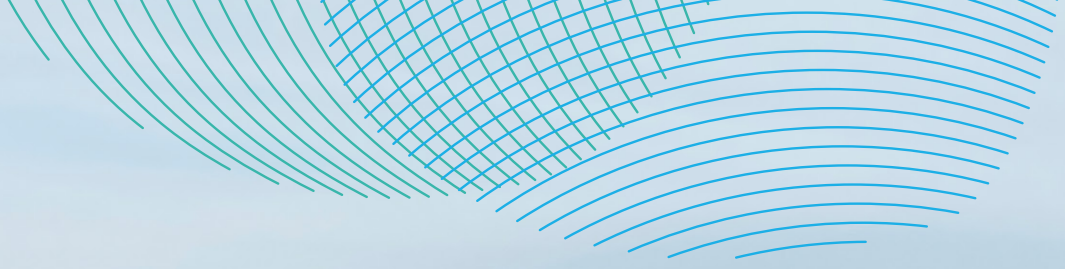
## The link between renewables and a stable electricity grid

Battery storage systems are a key element in the energy transition, since they can store excess renewable energy and make it available when it is needed most.

As a battery storage pioneer, RWE develops, builds and operates innovative and competitive large battery storage systems as well as onshore and solar-hybrid projects in Europe, Australia and the US. RWE's global battery storage capacity is currently around 1.2 gigawatts.







When it comes to linking battery storage technology with green electricity production, RWE can draw on many years of experience in the energy storage and renewables sector.

The company provides project planning, modelling, system integration, and commissioning of the projects in house and under one roof.

Our lighthouse projects





# Renewable energy means local energy for local people

## Together we will build a sustainable future

Our company is proud to have committed to a significant **investment of billions of euros** in renewable energy. We recognise the profound impact our operations have on communities throughout Spain, especially in rural areas in need of revitalisation. That is why community engagement is a **top priority** for us. We firmly believe that the future of energy is not just about technology, but also about people: **their lives, their future, and the planet we share.**

That is why **RWE supports cultural, sporting, and environmental activities** to strengthen and energise the communities in which we operate. By working together, we amplify our collective impact and ensure a **more sustainable, equitable future in Spain for generations to come.**

We take our responsibility as part of these communities very seriously. We therefore adopt a proactive approach to their involvement, support and development.

One example is our sponsorship of the **“Bosque de los Zaragozanos project”**. The initiative includes the participation of companies, associations, foundations, institutions, and individuals, who collaborate to promote the **planting of 700,000 trees in different areas** throughout the city. So, the focus lies on all those who support the objective of making Zaragoza a benchmark in sustainability and contributing to the **Zaragoza Zero Emissions commitment for 2030** in the fight against climate change.



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Find more community  
engagement here



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