

Contribution  
to the SDGs

2023



redeia

Valuing the essentials

• • • **1**  
A strategy  
of contribution  
to the SDGs

• • • **3**  
Electrical interconnection  
between Ibiza and  
Formentera: a project of  
global contribution  
to the SDGs

• • •  
**2**  
Our priority  
SDGs





# A strategy of contribution to the SDG









## 1 ...












Redeia is an active agent in the achievement of the Sustainable Development Goals (SDGs) through the deployment of our Strategic Plan and our Commitment to Sustainability 2030, which are translated into 11 long-term objectives (2030), which are materialized in objectives for 2025.



		2030 GOALS	2025 GOALS	2023 PROGRESS	SDG
Climate change		55 % reduction of Scope 1 and 2 emissions and 28 % of emissions Scope 3 with respect to 2019.	<ul style="list-style-type: none"> <li>• 30% reduction in Scope 1 and 2 emissions.</li> <li>• 2/3 of suppliers (in terms of emissions) were SBTi approved compared to 2019.</li> <li>• 100% of Scope 1 emissions offset.</li> </ul>	<ul style="list-style-type: none"> <li>• 24% reduction in Scope 1 and 2 emissions.</li> <li>• 7.15% of supplier's emissions covered by total SBTi.</li> <li>• 100% of Scope 1 emissions offset.</li> </ul>	
Energy transition		Safely integrate 100% of available renewable energy into the electricity system: 74% of renewable energy in the electricity generation mix.	<ul style="list-style-type: none"> <li>• &gt;60% renewable energy in the electricity generation mix.</li> </ul>	<ul style="list-style-type: none"> <li>• 50.3% renewable energy in the electricity generation mix.</li> </ul>	
		Empower society to promote their active participation in the energy transition process.	<ul style="list-style-type: none"> <li>• Launching of the expanded Datahub, which, in accordance with regulations, can be accessed by authorised participants and stakeholders.</li> <li>• Greater content on the REData and RedOS platforms.</li> </ul>	<ul style="list-style-type: none"> <li>• Start of the exploitation of the DataHub use cases for Public Administrations for self-consumption of self-managed facilities.</li> <li>• Evolution redOS, increasing navigation capabilities, adapting to regulatory changes and responding to suggestions received from users.</li> <li>• Continuous improvement of the contents of the REData web</li> </ul>	

	2030 GOALS	2025 GOALS	2023 PROGRESS	SDG
<b>Sustainable financing</b> 	100% sustainable financing.	<ul style="list-style-type: none"> <li>60% sustainable financing.</li> </ul>	<ul style="list-style-type: none"> <li>59% sustainable financing.</li> <li>Issuance of the first green hybrid bond valued at 500 million euros.</li> </ul>	
<b>Biodiversity</b> 	Generate a positive net impact on the natural capital in the areas surrounding our facilities.	<ul style="list-style-type: none"> <li>100% of the critical line sections marked by Red Eléctrica.</li> <li>100% of the investment projects with a commitment to protecting the plants and the fight against deforestation.</li> </ul>	<ul style="list-style-type: none"> <li>767.4 km marked in critical priority areas (77.4% of the total identified).</li> <li>Calculation of the baseline and quantitative impact (negative and positive) on biodiversity implemented in projects for new facilities).</li> </ul>	
<b>Circular economy</b> 	Be a leading company in circular economy: Redeia 0% waste to landfill. Redeia 6.5 m³ of water consumption per employee per year in work centres.	<ul style="list-style-type: none"> <li>0% waste to landfill in Red Eléctrica.</li> <li>6.5 m³ of water consumption per employee per year in Red Eléctrica work centres.</li> </ul>	<ul style="list-style-type: none"> <li>38.9% progress on the Circular Economy Roadmap 2030.</li> <li>Significant increase in the group's % of recycled waste (from 92.7% in 2022 to 98.35% in 2023) thanks to the implementation of the 0 waste to landfill program.</li> <li>The ratio of water consumption per employee has been on a downward trend for the last three years.</li> </ul>	
<b>Suppliers</b> 	Be a driver of change for our suppliers: at least 25 suppliers with a major impact on the transmission grid with circularity criteria (LCA – Life Cycle Assessment), climate change, security, diversity, and biodiversity.	<ul style="list-style-type: none"> <li>At least 10 supplies with the greatest impact on the transmission grid shall include circular criteria (LCA), climate change, security, diversity and biodiversity.</li> </ul>	<ul style="list-style-type: none"> <li>4 suppliers with the greatest impact on the transportation network with criteria of circularity (LCA), climate change, safety, diversity and biodiversity.</li> </ul>	

	2030 GOALS	2025 GOALS	2023 PROGRESS	SDG
<b>Diversity</b> 	<ul style="list-style-type: none"> <li>• Be a reference employer for gender equality: 50% of women on Redeia's Board of Directors and the Group's management team.</li> </ul>	<ul style="list-style-type: none"> <li>• 50% of women on Redeia's Board of Directors.</li> <li>• 38% of women in the Group's Senior Management.</li> </ul>	<ul style="list-style-type: none"> <li>• 50% of women on the Board of Directors.</li> <li>• 36.2% women in the management.</li> <li>• 45.5% women on the executive committee.</li> </ul>	
	<ul style="list-style-type: none"> <li>• Promote inclusion of groups at risk of exclusion from society and employment.</li> </ul>	<ul style="list-style-type: none"> <li>• At least 40% of the legal percentage for the direct hiring of people with disabilities.</li> <li>• Increase of 20% of the volume hired through Special Employment Centres for the provision of services in Redeia.</li> </ul>	<ul style="list-style-type: none"> <li>• Redeia currently has 24 employees with a disability equal to or greater than 33%.</li> <li>• Preparation of the Disability Plan 2024-2030, with actions not only for the labor and social integration of people with disabilities, but also to raise awareness among Redeia's staff on this issue.</li> </ul>	
<b>Digital divide</b> 	<ul style="list-style-type: none"> <li>• Reducing the digital divide: 100% connection rate for people in the areas surrounding our facilities.</li> </ul>	<ul style="list-style-type: none"> <li>• Encourage the development of the fibre optic business of at least three local carriers.</li> <li>• 100 Mbps connectivity deployed throughout Spain.</li> </ul>	<ul style="list-style-type: none"> <li>• Deployment of the Conéctate 35 project. A pioneering program in Europe, which offers high-speed connectivity (100 Mbps) via satellite to all rural citizens in order to reduce the digital divide.</li> </ul>	 
<b>Innovation and technology</b> 	<ul style="list-style-type: none"> <li>• Be a reference company for technological innovation. Adoption of 64 innovative technological solutions in Redeia that address the Group's key challenges, contributing tangible or intangible value.</li> </ul>	<ul style="list-style-type: none"> <li>• Adoption of 24 innovative technological solutions in Redeia that address the Group's key challenges, contributing tangible or intangible value.</li> </ul>	<ul style="list-style-type: none"> <li>• 12 innovative technological solutions adopted.</li> </ul>	 





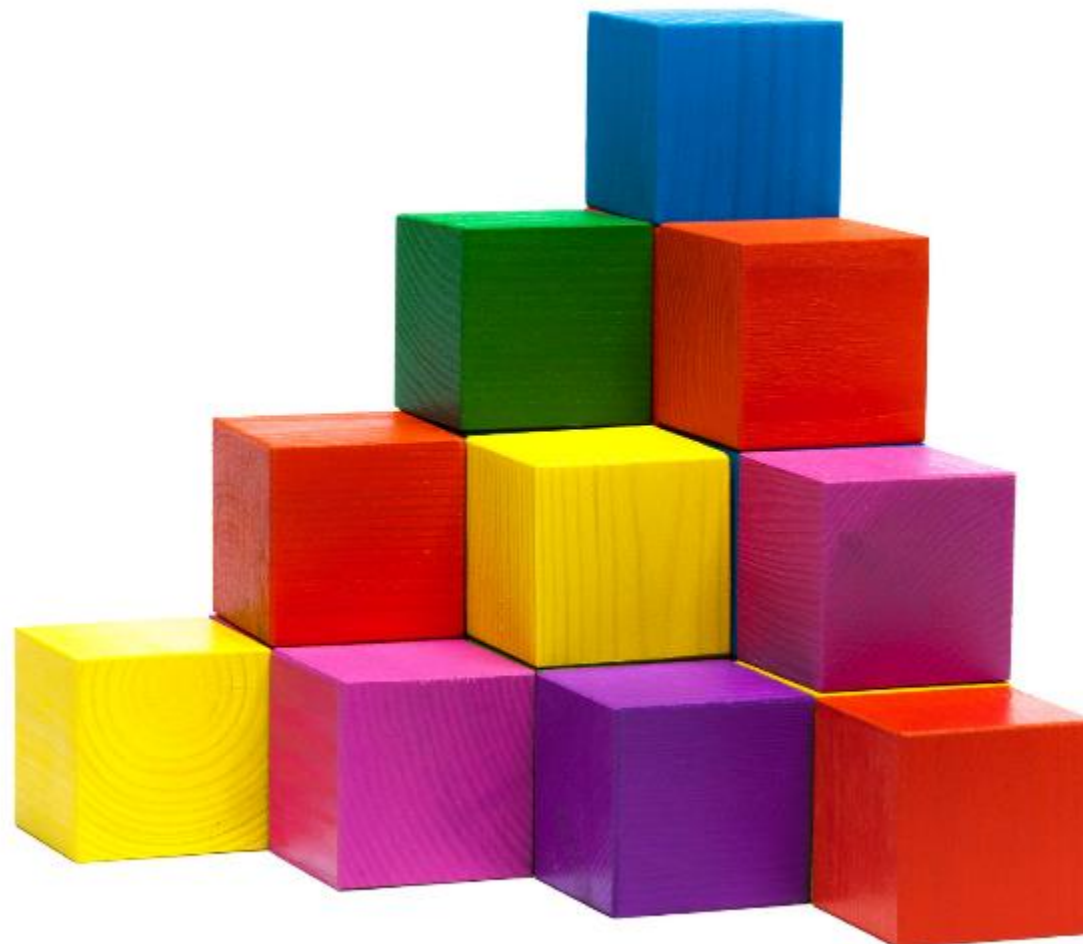
1. A strategy of contribution to the SDG

2. Our priority SDGs

3. Electrical interconnection between Ibiza and Formentera: a project of global contribution to the SDGs

# Our priority SDGs

# 2 ...



At Redeia we have identified six priority SDGs to which we contribute directly, facilitating the transformation of the territories where we are present.

The SDGs represent a major challenge and, in turn, an opportunity to lead the process of change through innovation and alliances with other agents.

Based on the nature of our activity and the countries in which we operate, at Redeia we identify our priority SDGs, determining our contribution to each of them. As a socially responsible agent, Redeia contributes globally to the United Nations 2030 Agenda through our performance in sustainability.





# 2023 Contribution



**Active participation in achieving the transition to a new, more competitive and sustainable energy model:**

- 76 GW of renewable power installed in the national electricity system (61% of total power).
- 52.3% of energy production from renewable sources in the peninsular electricity system, 19.4% in the Canary Islands electricity system and 11.3% in the Balearic Islands electricity system.
- 27 R&D projects underway to improve the tools of the electricity system operator.



**Generation of quality employment and creation of decent jobs, contributing shared value to the progress of the environment.**

- 98.7% of contracts of an indefinite nature.
- Implementation of hybrid work, improvement of permits and legal leave and maintenance of the purchasing power of the workforce due to the signing of the XII Collective Bargaining Agreement of Red Eléctrica and the Collective Bargaining Agreement of Redeia Corporación S.A.
- 9,089 jobs of equivalent occupation in Spain, 110 in Chile, 65 in Peru and 2,330 in Brazil, derived from the investment in the transmission grid in each country.



**Construction of reliable, sustainable, resilient, and quality infrastructures, integrating them into the environment and guaranteeing their integral safety.**

- €825 million of TSO investment, of which €744.6 million corresponds to investment in the transmission grid.
- 157 km of circuit of new lines and 143 new substation positions commissioned in the Spanish electricity system.
- Progress on the civil works for the Salto de Chira pumped-storage hydroelectric power plant in Gran Canaria and progress on the expansion of the Centinela substation at Redenor 2 in Chile. Commissioning of TESUR 4 in Peru.





**Key action in the transition to a new decarbonized model, necessary to combat climate change.**

- 39,073,106 tons of CO<sub>2</sub>eq avoided in the Spanish electricity system.
- Validation of the Net Zero objective by SBTi.
- 93% of electricity consumed from renewable energy sources and self-consumption in 17 work centres.



**Minimization of the impact on marine ecosystems with preservation criteria in facilities and recovery projects.**

- 2 ha of *Posidonia oceanica* restored in Mallorca (survival of planted fragments between 94% and 98%).
- Virtual exhibition on *Posidonia* and the Red Eléctrica Marine Forest, published on the corporate website (The Marine Forest: recovery of *Posidonia oceanica* meadows | Redeia).
- Winner of the '10th Anniversary All-Star Awards' with the 'Marine Forest' project and finalist 'Good Practice of the Year' for the EConcrete initiative that promotes the regeneration of marine life by the organization RGI (Renewables Grid Initiative).



**Integration of the facilities in the environment and territories, considering their entire life cycle, with special attention to biodiversity conservation.**

- Identification and evaluation of impacts, as well as of the most relevant dependencies on biodiversity for the electricity transmission activity. Likewise, work has begun on an approach aligned with the guidelines established by TNFD (Taskforce on Nature-related Financial Disclosures), being recognized as adopters of this framework and of the SBTN (Science Based Targets Network).
- 1,041 ha recovered through the Redeia Forest with an investment of more than 3 million euros (since 2009).
- More than 15 biodiversity-related agreements in force.



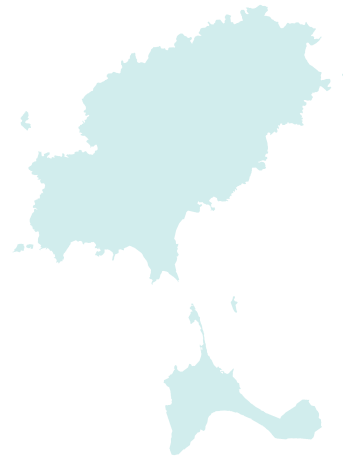
# Electrical interconnection between Ibiza and Formentera: a Project of global contribution to the SDGs

# 3 ...



## An essential infrastructure to accelerate the energy transition in the Balearic Islands

The electricity interconnection between Ibiza and Formentera, not only improves the quality and security of the electricity supply on both islands but contributes to the decarbonization of the energy model by significantly reducing fossil fuel generation on Formentera and facilitating a greater integration of renewable energies.



### Project data

Two electrical links .....	132 kV
Underground section of line in Ibiza .....	5,2 km
Underground section of line in Formentera .....	4,8 km
Submarine section of line .....	27,1 km
Maximum depth .....	58 m

### Main benefits of the project



Increased transport capacity between both islands



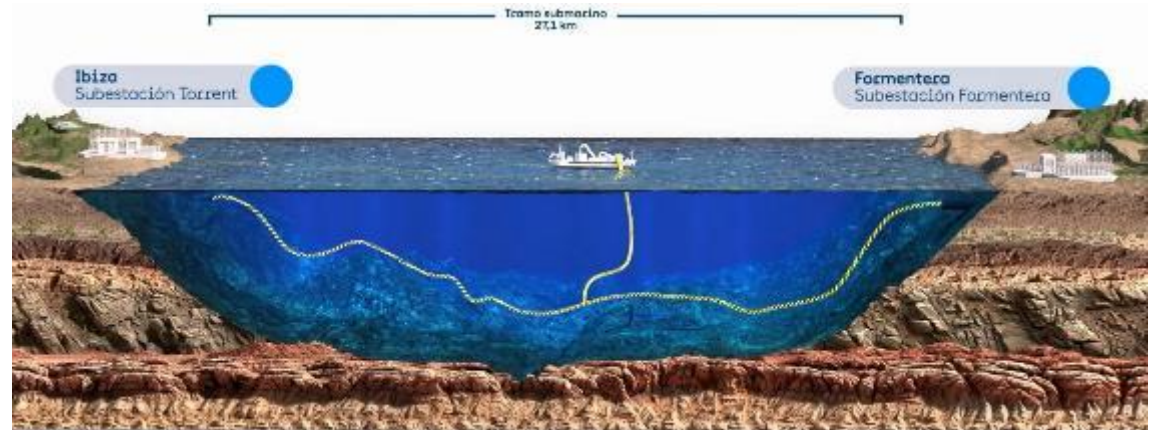
Greater integration of renewables



Greater stability of the electrical system



Greater economic efficiency



# SGD Contribution



- The interconnection offers greater reliability and continuity of supply in Formentera as the new link is able to cover the electricity demand of the whole island in a stable and safe way. On the other hand, it alleviates the overloads in some lines in Ibiza, reinforcing the island's electricity security.
- This interconnection between the islands and with the mainland, represents a saving for the electricity system as a whole in the order of 100 million euros per year



- Contribution of 59.8 million euros to the GDP of the Balearic Islands and 19 million euros to the GDP of the rest of Spain.
- Estimated job creation of 1,007 jobs linked to the interconnection in the Balearic Islands.



- The project has included two 132 kilovolt electrical links, the extension works of the Torrent substation in Ibiza, and the construction of the new substation in Formentera.
- The link consists of a 27.1 km underwater section with a maximum depth of 58 meters and a 5 km overland section in Ibiza, and another 4.8 km in Formentera. It is a three-pole alternating current link in two 132 kV circuits with a transmission capacity of 53 MVA each, which incorporates fiber optics for the adequate remote management and real time operation of the infrastructure.
- Red Eléctrica successfully commissioned the new submarine electricity link six months ahead of schedule.



- The interconnection means an annual reduction of 500,000 tons of CO<sub>2</sub> emissions.
- The interconnection is key to accelerate the energy transition in the Balearic electricity system, significantly reducing the operation of fossil-fuel generation on the island of Formentera.

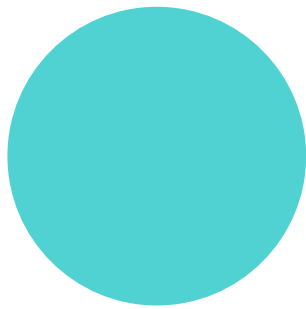
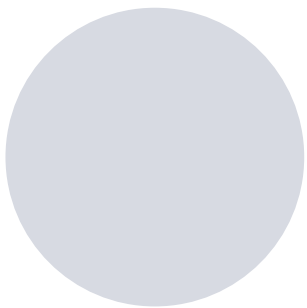
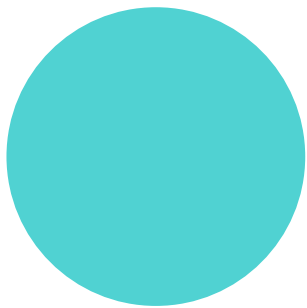




- The interconnection has been executed minimizing the social and environmental impact also ensuring the maximum protection of the biodiversity of the areas through which the route passes.
- The arrival of the link to the coast and its connection with the terrestrial part has been carried out using the horizontal directional drilling technique. This technique makes it possible to execute a subway pipeline that avoids terrain obstacles and guarantees the minimum environmental impact, safeguarding the *posidonia oceanica* meadows and other phanerogams.
- The terrestrial section on both islands is underground and runs almost entirely through areas of public ownership annexed to existing roads, highways and public roads.







Edit

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April 2024

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