



SDR Energy carries out electricity generation projects based on renewable sources.

We have been pioneers in Andalusia (Spain) in the renewable energies sector and we leverage our extensive experience in order to provide value in all the development stages, from locating the resource up to selling the generated energy to the grid.

With a share capital of over 10 million, we maintain the same principles of safety, commitment to the environment and efficiency so as to be able to compete globally in project design and development and management of plants in operation.

We make a significant effort to research new energy sources and we are committed to innovation and ongoing improvement in our different lines of business, with the aim of obtaining long-term sustainable development, supporting our diversification strategy and preparing ourselves to tackle new markets.

We currently have offices available in Spain, Panama and Mexico in order to serve the Central American and Caribbean areas respectively, always showing particular interest in markets with a high potential for growth where we can contribute our experience in the entire world.

Clean, silent, inexhaustible energy, with 0% emissions



Present throughout the value chain











Locating the resource

Identifying and evaluating the natural energy source is one of the most important phases being developed in a renewable energy project, as the information obtained determines its economic, administrative and technical viability. The variability of the resources, both in time and space, is very important in the design of these facilities that seek exploit them.

- Analysis and identification of the areas with greater potential for the resource.
- Supply and monitoring of meteorological stations.
- Analysis of the market, variability and technical observation.

Engineering

SDR Energy creates made to measure designs for achieving maximum exploitation of the resources, seeking high levels of security, reliability and efficiency. This link in the value chain is fundamental in the overall development of the projects. The economic and technical viability study is of great importance and is conducted through technological innovation and the experience of the professional and committed technical personnel specialising in the energy sector.

- Basic and detailed engineering of the renewable energy plants.
- Basic and detailed engineering of the energy evacuation infrastructure.
- · Project management and quality control.
- Economic, administrative and technical viability studies.
- · Due diligence of projects.

Preliminaries

Before starting the construction, and in order to authenticate the facilities, it is necessary to obtain all necessary licences and permissions from the relevant bodies and individuals affected. This is in order to obtain access to the electricity network, the environmental authorisations, the administrative and project authorisations and urban licences among other things that might be required depending on the site chosen and the type of technology developed.

- Negotiation with owners and electrical companies.
- Filing administrative records and obtaining licences

Construction

We carry out the construction of your facilities and infrastructures, offering constructive solutions. We collaborate with first level manufactures and bear in mind the latest technological developments when constructing your facilities. We stick to our deadlines and offer guarantees for the facilities under a strict quality control, providing bankability for your project.

- · Searching for finance.
- · Project development by EPC.
- Recognised experience and guarantees for project bankability.

Asset management

Optimising production

Savings in management, insurance, finance and stock.

Production with equipment functioning analysis and guarantee control.

Speed, management system and incident resolution.

SCADA control in control centre.

. Commercial exploitation

Administrative management and invoicing.

Integral management of O&M.

Production control and real time alarm system.

Security and surveillance control.

Cleaning, clearing and herbicide application.



TECHNOLOGIES DEVELOPED

Co-generation

Improving the output of the installations, through the joint production and use of electrical energy and heat energy, obtains higher energy saving indices.

Drying

By means of drying processes we recover energy from sludge, ensuring correct waste management which is respectful with the environment and sustainable development.

Biomass With no waste of Energy

The fuels derived from agriculture, livestock farming and the agri-food industry are used to produce electrical energy, which in turn becomes an efficient solution to problems of accumulation in the environment.



CO-GENERATION

25,7 MW

YING

2**5**,3 mw



BIOMASS PLANT

8,14_{MW}



Photovoltaic:

The Sun, Energy Source

The sun is a universal energy source. Ongoing advances in technology increasingly allow us to harness that energy more efficiently.

We design the installations so as to optimize the area of each site, with an in-house design fur the structures which support the panels and direct access to the main international manufacturers for buying the equipment.



PHOTOVOLTAIC INSTALLATIONS 220,33 MW

Make a profit out of your space

Make a profit out of your available space such as coverings, car parks, pergolas and floors among other things where promoting photovoltaic facilities.

SDR Energy carries out the engineering projects, as well as all the paperwork with public bodies.

We carry out a full study, looking for the aptitude of your space, searching for the best orientation and optimum layout for the installation, selecting the most suitable structures, panels and equipment for each

Once we have obtained the necessary permits, we build, operate and maintain the photovoltaic installations.

















Experience



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	PROJECT	LOCATION	SITUATION	POWER (MW)	INVESTMENT	START OF OPERATION
	COGENERATION			25,7	16.400.000	
	Dos Hermanas	Sevilla	Operation	5,20	3.900.000	1997
	La Luisiana	Sevilla	Operation	7,20	4.500.000	2000
	Mengibar	Jaén	Operation	3,60	2.000.000	1999
	La Roda	Sevilla	Operation	9,70	6.000.000	2002
			1	5387555		2002
•	DRYING PLANTS			25,3	17.700.000	
	Fuente de Piedra	Málaga	Operation	14,40	10.600.000	2003
	Morón	Sevilla	Operation	10,90	7.100.000	2002
•	PHOTOVOLTAIC					
	ROOFS			2,91	10.776.200	
	Sevilla	Sevilla	Operation	0,02	112.000	2004
	La Rinconada	Sevilla	Operation	0,12	619.200	2007
	Sevilla	Sevilla	Operation	0,33	1.320.000	2010
	Aznalcóllar	Sevilla	Operation	0,13	520.000	2010
	Montellano	Sevilla	Development	0,12	480.000	*2014
	Lora del Río	Sevilla	Operation	0,12	480.000	2010
	Dos Hermanas	Sevilla	Development	0,71	2.485.000	*2014
	Aznalcóllar	Sevilla	Development	0,69	2.415.000	*2014
	Punta Umbría	Huelva	Development	0,67	2.345.000	*2014
	BIOMASS			8,14	15.800.000	
	Fuente de Piedra	Málaga	Operation	8,14	12.300.000	2005
	Fábrica Pellets	Almería	Operation	20000 Tm	3.500.000	2011
•						
	WIND			189	217.350.000	
	Alíjar	Cádiz	Operation	24,00	27.600.000	2005
	Valdivia	Sevilla	Operation	28,50	32.775.000	2007
	Olivillo	Cádiz	Operation	25,50	29.325.000	2008
	Roalabota	Cádiz	Operation	28,00	32.200.000	2008
	Palomarejo	Sevilla	Operation	30,00	34.500.000	2012
	La Zorrilla	Cádiz	Development	21,00	24.150.000	*2014
	Alijar II	Cádiz	Development	32,00	36.800.000	*2014
	PHOTOVOLTAIC					
	GROUND			220,33	510.723.200	
	Hinojos	Sevilla	Operation	2,26	12.656.000	2006
	Aznalcázar	Huelva	Operation	9,20	51.520.000	2007
	Dos Hermanas	Sevilla	Operation	2,50	12.900.000	2008
	La Rinconada	Sevilla	Operation	5,50	28.380.000	2008
	Lepe	Sevilla	Operation	2,20	11.352.000	2008
	Carmona	Huelva	Operation	7,56	39.009.600	2008
	Ayamonte	Sevilla	Operation	0,92	4.747.200	2008
	Écija	Huelva	Operation	11,34	58.514.400	2008
	Salteras	Sevilla	Operation	7,90	40.764.000	2008
	Marchena	Sevilla	Operation	1,10	5.676.000	2008
	La Peña	Sevilla	Operation	0,70	3.612.000	2008
	Los Llanos	Panamá	Operation	0,70	392.000	2014
	Progreso	Panamá	Development	14,90		*2015
	Zona Caribe	Panamá	Development	74,30	21.900.000	*2015
	Boquerón	Zona Caribe	Development		111.450.000	
		Panamá	Development	50,00	75.000.000	*2016
		1 anama	Development	29,70	32.850.000	*2017
	CSP PLANTS			50	235.000.000	
	El Reboso I, La Puebla del Río	Sevilla	Operation	50,00	235.000.000	2014
I	PROJECT SUMMARY		PO	WER (MW)	TOTAL INIVI	ESTMENT Euros
			247,29			
т	Total in Operation otal in Development		274,09		475.374.400 548.375.000	
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TOTAL PROJECTS			5	521,38	1.02	3.749.400

*Forecast

