
ansa|sol
energía renovable

INDEX

TODAY

Ansasol S.L. is a company dedicated to solar energy projects and installations. We have more than 17 years' experience in the Spanish photovoltaic market and 22 years' experience in renewable energies in Germany.

We install photovoltaic systems on both agricultural land and the roofing of industrial warehouses.

Our services include developing, permitting, installing, operating and maintaining photovoltaic systems.

Our internal engineering department is responsible for all the planning, paperwork and construction that the project entails, and the team works closely with our R&D department, which is tasked with carrying out activities related to developing and evaluating new products. This synergy has forged a great team that uses the latest technologies to develop pioneering projects that are sustainable, viable and efficient.

We also have a sales and finance team that is specialised in purchasing, contracting and commercialisation.

Together with our subsidiary, Ansasol Service S.L., we offer a high-quality comprehensive service, covering all aspects from project planning and development to the installation, operation and subsequent maintenance of photovoltaic plants.

MILESTONES

2008 Construction of the first ground-mounted photovoltaic plant.

2009 Construction of the first roof-mounted photovoltaic plant.

2012 Change in regulations.
Permitting begins for the following large-scale solar farms: Don Rodrigo I (180 MWp), Guillena (122 MWp) and Puerto Real I (133 MWp).

2017 2019 First Spanish company to build a large-scale ground-mounted photovoltaic plant, the largest in EUROPE and the first to do so without any grants or subsidies. December 2017.
Construction begins. May 2019. Don Rodrigo I plant is connected to the gridand commercial activity begins.

2020 **January.** Construction begins on the 133 MWp Puerto Real plant.
February. The 122 MWp Guillena plant is connected to the grid.

Today: More than 20 ongoing projects in different stages of development, both our own projects and those for third parties, working with leading industry companies such as RWE, Iberdrola and BayWa r.e., among other top names.

For a better future... Working on new ambitious and innovative projects.

THE FUTURE

Decarbonising the planet is one of the goals that countries around the world have set for 2050.

To achieve this, the electrolysis of water using renewable energies generates “green hydrogen”, which is one of the keys to mitigating emissions of pollutant gases (GHGs).

Ansasol S.L. has been committed to green hydrogen since February 2020, when plans were first analysed, evaluated and developed for a green hydrogen production plant powered by renewable energies, in this case, solar power.

With each photovoltaic kWh generated, we are committed to contributing to clean energy growth in each region and, by doing so, moving towards a more sustainable society.

We are currently working on 19 projects in different stages of development.

THE PHOTOVOLTAIC INDUSTRY

In recent years, energy generated by the sun has been considered a great alternative to traditional sources, mainly due to it being clean, efficient and sustainable.

Specialists in installing large photovoltaic plants, Ansasol S.L. now gives you the chance to draw on our many years of experience in this field to generate electricity using roofing to support a photovoltaic system.

Growing social concern about climate change and the effects of pollution has led to increasing interest in the use of renewable energies and public environmental awareness.

New regulations, together with significant technological development in this field, have led to exponential growth in this industry in recent years.

Photovoltaic solar energy is a clean and renewable energy source that uses solar radiation to generate electricity. It is based on the so-called photoelectric effect, whereby certain materials are able to absorb photons (light particles) and release electrons, generating an electrical current by means of a semiconductor device called a solar or photovoltaic cell.

There are two kinds of photovoltaic plants: those that are connected to the grid and those that are not. The former, in turn, includes a further two types: photovoltaic power stations, in which all the energy produced by the panels is fed into the electricity grid; and self-consumption generators, in which part of the electricity generated is used by the producer and the rest is fed into the grid. At the same time, the producer draws the energy needed to cover their requirements from the grid when the supply from the unit is insufficient.

A photovoltaic installation has three basic elements:

Photovoltaic panels: groups of photovoltaic cells mounted between layers of silicon that capture solar radiation and transform the light (photons) into electrical energy (electrons).

Inverters: they convert the direct electric current produced by the panels into alternating current, suitable for consumption.

Transformers: the alternating current generated by the inverters is low voltage (380–800 V), therefore a transformer is used to increase it to medium voltage (up to 36 kV).

Off-grid systems operate in isolation and are usually found in remote locations and on farms to meet lighting requirements, support telecommunications and power pump irrigation systems. These isolated plants may require two additional elements to function:

Batteries: for storing the energy produced by the panels that is not required at that moment and can then be used when needed.

Charge controllers: they protect against battery overcharge and prevent inefficient use of the battery.

THE HYDROGEN INDUSTRY

Hydrogen is the most abundant chemical element on Earth. Global demand for its use as a fuel has tripled since 1975. In 2020, global demand was nearly 90 million tonnes, with industry demanding 51 Mt and refining applications, 37 Mt. Moreover, it is a clean energy source that only produces water vapour and does not produce airborne residue.

Obtaining green hydrogen through electrolysis using renewable sources involves the decomposition of water molecules (H2O) into oxygen (O2) and hydrogen (H2

If electricity is generated from renewable sources (photovoltaic or other), we will be able to obtain a truly clean energy carrier.

Green hydrogen is produced from water and renewable energies. Electricity generated from renewable energies – solar power in our case – is used to split water.

This method of obtaining green hydrogen would prevent the emission of 830 million tonnes per year of CO2 that are produced when this gas is obtained through fossil fuels. Likewise, replacing all grey hydrogen globally would mean an additional 3,000 TWh of renewable power per year.

DEVELOPED PROJECTS IN SPAIN

Casabermeja
Herrera
Antenquera
Málaga
Puente Genil
Alcalá de Guadaira
Jerez de la Frontera
Guadix
Algeciras
Sevilla
Andujar
Huercal
Almería
Peligros
Paraje de Cabrera
Alcalá de Guadaira
Guillana
Puerta Real
Alcalá del Río
Alcalá de los Gazules
Vaguadas
Villamartín

1. ALHONOZ. Herrera (Sevilla) - ANDALUCÍA
YEAR 2008

TECHNICAL DATA

SURFACE AREA OF MODULES
Approx. 15,000m^2

NUMBER OF MODULES
3,192 modules

TYPE OF MODULES
SOLON M760/5 y M585/6

INVERTERS
SOLON (798 units)

POWER GENERATED
1.95 MWp

FINANCIAL DATA

FORECAST ANNUAL YIELD
3,800,000 kWh

EQUIVALENT TO THE CONSUMPTION OF
1,170 homes per year

EMISSIONS SAVINGS
3,875 tonnes of CO_2 per year

FUNDING
Solon SL

2. VIRGEN DE LA CABEZA. Andujar (Jaén) - ANDALUCÍA
YEAR 2008

TECHNICAL DATA

SURFACE AREA OF MODULES
Approx. 5,872m^2

NUMBER OF MODULES
3,670 modules

TYPE OF MODULES
FSolon M760/5 y M585/6

INVERTERS
SOLON (917 units)

POWER GENERATED
2.20 MWp

FINANCIAL DATA

FORECAST ANNUAL YIELD
4,370,000 kWh

EQUIVALENT TO THE CONSUMPTION OF
1,320 homes per year

EMISSIONS SAVINGS
4,327 tonnes of CO_2 per year

FUNDING
Bank loan / Own capital

PHOTOVOLTAIC

SYSTEMS

3. DON RODRIGO I. Alcalá de Guadaira y Utrera (Sevilla) ANDALUCÍA
YEAR 2019

TECHNICAL DATA

SURFACE AREA OF MODULES
Approx. 1,032,000m^2

NUMBER OF MODULES
516,328 modules

TYPE OF MODULES
Astronergy, GCL SOLAR y LONG

INVERTERS
Huawei 60 Kw

SYSTEM
Fixed

POWER GENERATED
188Mwp

ADMINISTRATIVE DATA

Lease agreement: Yes
Guarantee deposited: 20/03/2013
Access point and connection: 19/12/2013
Unified Environmental Authorisation: 17/08/2015

FINANCIAL DATA

FORECAST ANNUAL YIELD
266,000,000 kWh

ANNUAL DEGRADATION
0,4%

ENERGY POOL SALE PRICE
€50/Mwh

EMISSIONS SAVINGS
369,733 tonnes of CO_2 per year

EQUIVALENT TO THE CONSUMPTION OF
112,800 homes per year

FUNDING
Bank loan / Own capital
Tobias Greiling (Financial director)

Administrative Authorisation: 27/12/2016
Included in 2015–2020 energy planning: Yes
REE technical access agreement: Signed

4. DON RODRIGO II. Alcalá de Guadaira y Utrera (Sevilla) ANDALUCÍA
YEAR 2020

TECHNICAL DATA

SURFACE AREA OF MODULES
Approx. 307,632m^2

NUMBER OF MODULES
148,944 modules

TYPE OF MODULES
JinkoSolar 335

INVERTERS
SIRIO HV-MT

SYSTEM
axis tracker

POWER GENERATED
50Mwp

DATOS ADMINISTRATIVOS

Lease agreement: Pending
Guarantee deposited (Junta de Andalucía): Deposited
Access point and connection (Endesa): Obtained
Unified Environmental Authorisation: Obtained

FINANCIAL DATA

FORECAST ANNUAL YIELD
95,000,000.00 kWh

ANNUAL DEGRADATION
0.4%

ENERGY POOL SALE PRICE
€45/Mwh

EMISSIONS SAVINGS
98,333 tonnes of CO_2 per year

EQUIVALENT TO THE CONSUMPTION OF
30,000 homes per year

FUNDING
Bank loan / Own capital
Tobias Greiling (Financial director)

Administrative Authorisation: Obtained
Public utility statement: Not required
Construction permit (Local Authority): Obtained

5. GUILLENA - SEVILLA. Guillena (Sevilla) - ANDALUCÍA
YEAR 2020

TECHNICAL DATA

SURFACE AREA OF MODULES
Approx. 682,400 m²

NUMBER OF MODULES
341,040 modules

TYPE OF MODULES
JinkoSolar 335

INVERTERS **SYSTEM**
SIRIO HV-MT Fixed

POWER GENERATED
122Mwp

ADMINISTRATIVE DATA

Lease agreement: Yes
Guarantee deposited: 20/03/2013
Access point and connection: 19/12/2013
Environmental impact statement (BOE): 18/01/2016
Unified Environmental Authorisation: 11/08/2016

FINANCIAL DATA

FORECAST ANNUAL YIELD
175,000,000 kWh

ANNUAL DEGRADATION
0.4%

ENERGY POOL SALE PRICE
€50/Mwh

EMISSIONS SAVINGS
239,933 tonnes of CO2 per year

EQUIVALENT TO THE CONSUMPTION OF
73,200 homes per year

FUNDING
Bank loan / Own capital
Tobias Greiling (Financial director)

Administrative Authorisation: 26/04/2017
Public utility statement: 26/04/2017
Included in 2015–2020 energy planning: Yes
Construction permit: approved
REE technical access agreement: Signed

PHOTOVOLTAIC

SYSTEMS

6. PUERTO REAL I Puerto Real (Cádiz) - ANDALUCÍA
YEAR 2021

TECHNICAL DATA

SURFACE AREA OF MODULES
Approx. 749,568 m²

NUMBER OF MODULES
468,480 modules

TYPE OF MODULES
JinkoSolar 335

INVERTERS **SYSTEM**
SIRIO HV-MT Fixed

POWER GENERATED
133 Mwp

ADMINISTRATIVE DATA

Lease agreement: Yes
Guarantee deposited: 05/06/2014
Access point and connection: 02/04/2013
Environmental impact statement (BOE): 25/07/2018
Unified Environmental Authorisation: 24/10/2018

FINANCIAL DATA

FORECAST ANNUAL YIELD
203,000,000 kWh

ANNUAL DEGRADATION
0.4%

ENERGY POOL SALE PRICE
€50/Mwh

EMISSIONS SAVINGS
261,567 tonnes of CO2 per year

EQUIVALENT TO THE CONSUMPTION OF
79,800 homes per year

FUNDING
Bank loan / Own capital
Tobias Greiling (Financial director)
Administrative Authorisation: 20/02/2019
Public utility statement: Si
Included in 2015–2020 energy planning: Yes
Construction permit: MAYO 2019
REE technical access agreement: Yes

DEVELOPED AND IMPLEMENTED PROJECTS

Casabermeja
Herrera
Antenquera
Málaga
Puente Genil
Alcalá de Guadaira
Jerez de la Frontera
Guadix
Algeciras
Sevilla
Andujar
Huercal
Almería
Peligros
Paraje de Cabrera
Alcalá de Guadaira
Guillana
Puerta Real
Alcalá del Río
Alcalá de los Gazules
Vaguadas
Villamartín

1. CORTIJO “EL CURA”. Antequera (Málaga) - ANDALUCÍA
YEAR 2008

TECHNICAL DATA

SURFACE AREA OF MODULES
Approx. 20,000m^2

NUMBER OF MODULES
27,000 modules

TYPE OF MODULES
First Solar F

INVERTERS
SCM 7000HV (282 units.)

POWER GENERATED
2 Mwp

FINANCIAL DATA

FORECAST ANNUAL YIELD
3,092,250 kWh

EQUIVALENT TO THE CONSUMPTION OF
880 homes per year

EMISSIONS SAVINGS
2,200 tonnes of CO_2 per year

FUNDING
Bank loan / Own capital

2. BERMEJÓN I. Casabermeja (Málaga) - ANDALUCÍA
YEAR 2008

TECHNICAL DATA

SURFACE AREA OF MODULES
Approx. 17,000m^2

NUMBER OF MODULES
9,180 modules

TYPE OF MODULES
SOLON 220 Wp

INVERTERS
Kako 33.000Xi (54 units)

POWER GENERATED
2 Mwp

FINANCIAL DATA

FORECAST ANNUAL YIELD
3,500,000 kWh

EQUIVALENT TO THE CONSUMPTION OF
1,000 homes per year

EMISSIONS SAVINGS
2,500 tonnes of CO_2 per year

FUNDING
Bank loan / Own capital

PHOTOVOLTAIC

SYSTEMS

3. LOS PALACIOS. Los Palacios, Encinilla (Sevilla) - ANDALUCÍA
YEAR 2008

TECHNICAL DATA

SURFACE AREA OF MODULES
Approx. 23,000m^2

NUMBER OF MODULES
31,680 modules

TYPE OF MODULES
First Solar F S 72

INVERTERS
SIEMENS IP (396 units)

POWER GENERATED
2 Mwp

FINANCIAL DATA

FORECAST ANNUAL YIELD
3,300,000 kWh

EQUIVALENT TO THE CONSUMPTION OF
1,200 viviendas

EMISSIONS SAVINGS
3,933 tonnes of CO_2 per year

FUNDING
Bank loan / Own capital

4. CORDOBILLA. Puente Genil (Córdoba) - ANDALUCÍA
YEAR 2011

TECHNICAL DATA

SURFACE AREA OF MODULES
Approx. 30,000m^2

NUMBER OF MODULES
18,800 modules

TYPE OF MODULES
SOLON 220 Wp

INVERTERS
Kako 33.000Xi (108 units)

POWER GENERATED
3.6 Mwp

FINANCIAL DATA

FORECAST ANNUAL YIELD
3,300,000 kWh

EQUIVALENT TO THE CONSUMPTION OF
950 homes per year

EMISSIONS SAVINGS
2,300 tonnes of CO_2 per year

FUNDING
Bank loan / Own capital

5. CASABERMEJA. Casabermeja (Málaga) - ANDALUCÍA
YEAR 2011

TECHNICAL DATA

SURFACE AREA OF MODULES
Approx. 60,000m^2

NUMBER OF MODULES
9,684 modules

TYPE OF MODULES
SOLON 220 Wp

INVERTERS
AURORA (144 und.)

POWER GENERATED
2.09 MWp

FINANCIAL DATA

FORECAST ANNUAL YIELD
3,250,000 kWh

EQUIVALENT TO THE CONSUMPTION OF
1,254 homes per year

EMISSIONS SAVINGS
4,110 tonnes of CO_2 per year

FUNDING
Bank loan / Own capital

6. PARAJE DE CABRERA I. Casabermeja (Málaga) - ANDALUCÍA
PROJECTS WITH ENERGY STORAGE (BATTERIES) **YEAR 2011**

TECHNICAL DATA

SURFACE AREA OF MODULES
Approx. 6,000m^2

NUMBER OF MODULES
13,020 modules

TYPE OF MODULES
Amerisolar AS-6P30 (285 y 280 Wp)

INVERTERS
Huawei SUN2000-100KTJ
de 100 KW (31 und.)

POWER GENERATED
2 MWp

FINANCIAL DATA

FORECAST ANNUAL YIELD
1,220,000kWh

EQUIVALENT TO THE CONSUMPTION OF
1,200 homes per year

EMISSIONS SAVINGS
3, 933 tonnes of CO_2 per year

FUNDING
Bank loan / Own capital

PHOTOVOLTAIC

SYSTEMS

7. PARAJE DE CABRERA II. Casabermeja (Málaga)
YEAR 2011 ANDALUCÍA

TECHNICAL DATA

SURFACE AREA OF MODULES
Approx. 6,000m^2

NUMBER OF MODULES
13,020 modules

TYPE OF MODULES
Amerisolar AS-6P30 (285 y 280 Wp)

INVERTERS
Huawei SUN2000-100KTJ
de 100 KW (31 und.)

POWER GENERATED
3,68 MWp

FINANCIAL DATA

FORECAST ANNUAL YIELD
1,220,000kWh

EQUIVALENT TO THE CONSUMPTION OF
2,208 homes per year

EMISSIONS SAVINGS
7,237 tonnes of CO_2 per year

FUNDING
Bank loan / Own capital

8. GUADIX Guadix (Granada) - ANDALUCÍA
PROJECTS WITH ENERGY STORAGE (BATTERIES) **YEAR 2020**

TECHNICAL DATA

SURFACE AREA OF MODULES
Approx. 47,232 m^2

NUMBER OF MODULES
28,800 modules

TYPE OF MODULES
Suntech 335 Wp

INVERTERS
FusionSolar

SYSTEM
Fixed

POWER GENERATED
7.20 Mwp

ADMINISTRATIVE DATA

Lease agreement: Pending
Guarantee deposited (Junta de Andalucía): Si
Access point and connection (Endesa): Obtained
Unified Environmental Authorisation: Obtained

FINANCIAL DATA

FORECAST ANNUAL YIELD
11,880,000 kWh

ANNUAL DEGRADATION
0.4%

ENERGY POOL SALE PRICE
€45/Mwh

EMISSIONS SAVINGS
14,160 tonnes of CO_2 per year

EQUIVALENT TO THE CONSUMPTION OF
4,320 homes per year

FUNDING
Bank loan / Own capital
Tobias Greiling (Financial director)
Administrative Authorisation: Obtained
Public utility statement: Obtained
Construction permit (Local Authority): Obtained

9. PUERTO REAL II. Puerto Real (Cádiz) -ANDALUCÍA
YEAR2022

TECHNICAL DATA

SURFACE AREA OF MODULES
Approx. 307,632 m^2

NUMBER OF MODULES
158,816 modules

TYPE OF MODULES
Canadian Solar C6SP

INVERTERS
Power One (5.500 unid)

SYSTEM
axis tracker

POWER GENERATED
49.99Mwp

ADMINISTRATIVE DATA

Lease agreement: Yes
Guarantee deposited: Yes
Access point and connection: Yes
Environmental impact statement (BOE): Not required
Unified Environmental Authorisation: NOV 2019

DATOS ECONÓMICOS

FORECAST ANNUAL YIELD
95,000,000 kWh

ANNUAL DEGRADATION
0.4%

ENERGY POOL SALE PRICE
€45/Mwh

EMISSIONS SAVINGS
96,367 tonnes of CO_2 per year

EQUIVALENT TO THE CONSUMPTION OF
29,400 homes per year

FUNDING
Bank loan / Own capital
Tobias Greiling (Financial director)
Administrative Authorisation: FEB 2019
Public utility statement: Requested
Included in energy planning: Not required
Construction permit : MAY 2020
REE technical access agreement: JUN 2020

10. VILLAMARTÍN Villamartín (Cádiz) - ANDALUCÍA
YEAR 2022

TECHNICAL DATA

SURFACE AREA OF MODULES
Approx. 69,120m^2

NUMBER OF MODULES
43,000 modules

TYPE OF MODULES
Canadian Solar C6SP

INVERTERS
ABB TRIO 20,0 TL OUTD

SYSTEM
Fixed

POWER GENERATED
10.80Mwp

ADMINISTRATIVE DATA

Lease agreement: Yes
Guarantee deposited (Junta de Andalucía): Yes
Access point and connection (Endesa): Yes
Unified Environmental Authorisation: Obtained

FINANCIAL DATA

FORECAST ANNUAL YIELD
117,820,000 kWh

ANNUAL DEGRADATION
0.4%

ENERGY POOL SALE PRICE
€45/Mwh

EMISSIONS SAVINGS
21,240 tonnes of CO_2 per year

EQUIVALENT TO THE CONSUMPTION OF
6,480 homes per year

FUNDING
Bank loan / Own capital
Tobias Greiling (Financial director)
Administrative Authorisation: Obtained
Public utility statement: Not required
Construction permit (Local Authority): Requested

PHOTOVOLTAIC SYSTEMS

11. ARCHIDONA I Archidona (Granada) - ANDALUCÍA
YEAR 2022

TECHNICAL DATA

SURFACE AREA OF MODULES
Approx. 49,528m^2

NUMBER OF MODULES
30,200 modules

TYPE OF MODULES
Testing 30 Hill

INVERTERS
Huawei SUN2000-100KTJ (31 unid)

POWER GENERATED
8.30 Mwp

SYSTEM
axis tracker

ADMINISTRATIVE DATA

Lease agreement: Yes
Guarantee deposited (Junta de Andalucía): Yes
Access point and connection (Endesa): Obtained
Unified Environmental Authorisation: Obtained

FINANCIAL DATA

FORECAST ANNUAL YIELD
14,722,500 kWh

ANNUAL DEGRADATION
0.4%

ENERGY POOL SALE PRICE
€50/Mwh

EMISSIONS SAVINGS
16,323 tonnes of CO_2 per year

EQUIVALENT TO THE CONSUMPTION OF
4,980 homes per year

FUNDING
Bank loan / Own capital
Tobias Greiling (Financial directoro)
Administrative Authorisation: Obtained
Public utility statement: Pending
Construction permit (Local Authority): Requested

12. ARCHIDONA II Archidona (Granada) - ANDALUCÍA
YEAR 2022

TECHNICAL DATA

SURFACE AREA OF MODULES
Approx. 49,528m^2

NUMBER OF MODULES
30,200 modules

TYPE OF MODULES
Testing 30 Hill

INVERTERS
Huawei SUN2000-100KTJ (31 unid)

POWER GENERATED
8.30 Mwp

SYSTEM
axis tracker

ADMINISTRATIVE DATA

Lease agreement: Yes
Guarantee deposited (Junta de Andalucía): Yes
Access point and connection (Endesa): Obtained
Unified Environmental Authorisation: Obtained

FINANCIAL DATA

FORECAST ANNUAL YIELD
14,722,500 kWh

ANNUAL DEGRADATION
0.4%

ENERGY POOL SALE PRICE
€50/Mwh

EMISSIONS SAVINGS
16,623 tonnes of CO_2 per year

EQUIVALENT TO THE CONSUMPTION OF
4,980 homes per year

FUNDING
Bank loan / Own capital
Tobias Greiling (Financial director)
Administrative Authorisation: Obtained
Public utility statement: Pending
Construction permit (Local Authority): Requested

ONGOING PROJECTS IN SPAIN

Casabermeja
Herrera
Antenquera
Málaga
Puente Genil
Alcalá de Guadaira
Jerez de la Frontera
Guadix
Algeciras
Sevilla
Andujar
Huercal
Almería
Peligros
Paraje de Cabrera
Alcalá de Guadaira
Guillana
Puerta Real
Alcalá del Río
Alcalá de los Gazules
Vaguadas
Villamartín

1. PUERTO REAL III Puerto Real (Cádiz) - ANDALUCÍA

TECHNICAL DATA

SURFACE AREA OF MODULES
Approx. 307,632 m^2

NUMBER OF MODULES
15,816 modules

TYPE OF MODULES
To be determined

INVERTERS **SYSTEM**
To be determined axis tracker

POWER GENERATED
49 Mwp

ADMINISTRATIVE DATA

Lease agreement: Yes
Guarantee deposited: Yes
Access point and connection: Yes
Environmental impact statement (BOE): Not necessary
Unified Environmental Authorisation: Request

FINANCIAL DATA

FORECAST ANNUAL YIELD
950,000,000 kWh

ANNUAL DEGRADATION
0.4%

ENERGY POOL SALE PRICE
€45/Mwh

EMISSIONS SAVINGS
96,367 tonnes of CO_2 per year

EQUIVALENT TO THE CONSUMPTION OF
29,400 homes per year

FUNDING
Bank loan / Own capital
Tobias Greiling (Financial director)
Administrative Authorisation : Requested
Public utility statement: Request
Included in energy planning: Not required
Construction permit : No
REE technical access agreement: No

2. VAGUADAS Vaguadas (Badajoz) - EXTREMADURA

TECHNICAL DATA

SURFACE AREA OF MODULES
Approx. 72,160 m^2

NUMBER OF MODULES
44,000 modules

TYPE OF MODULES
To be determined

INVERTERS **SYSTEM**
To be determined axis tracker

POWER GENERATED
11 Mwp

ADMINISTRATIVE DATA

Lease agreement: Yes
Guarantee deposited: (Junta de Extremadura): Yes
Access point and connection: Yes
Environmental impact statement (Endesa): Obtained

FINANCIAL DATA

FORECAST ANNUAL YIELD
21,450,000 kWh

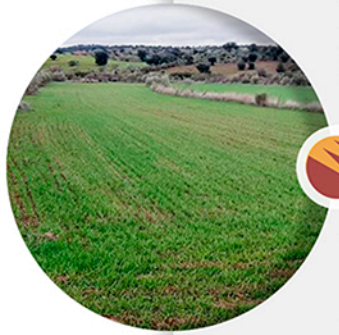
ANNUAL DEGRADATION
0.4%

ENERGY POOL SALE PRICE
€45/Mwh

EMISSIONS SAVINGS
21,633 tonnes of CO_2 per year

EQUIVALENT TO THE CONSUMPTION OF
6,600 homes per year

FUNDING
Bank loan / Own capital
Tobias Greiling (Financial director)
Unified Environmental Authorisation: Pending
Public utility statement: Pending
Construction permit (Local Authority): No



PHOTOVOLTAIC SYSTEMS

3. ALCALÁ DE GUADAIRA Alcalá de Guadaira (Sevilla) ANDALUCÍA

TECHNICAL DATA

SURFACE AREA OF MODULES
Approx. 72,160m^2

NUMBER OF MODULES
44,000 modules

TYPE OF MODULES
To be determined

INVERTERS **SYSTEM**
To be determined axis tracker

POWER GENERATED
11 Mwp

ADMINISTRATIVE DATA

Lease agreement: Yes
Guarantee deposited: (Junta de Andalucía): Deposited
Access point and connection (Endesa): Obtained
Environmental impact statement : Obtained

FINANCIAL DATA

FORECAST ANNUAL YIELD
21,450,000 kWh

ANNUAL DEGRADATION
0.4%

ENERGY POOL SALE PRICE
€45/Mwh

EMISSIONS SAVINGS
21,633 tonnes of CO_2 per year

EQUIVALENT TO THE CONSUMPTION OF
6,600 homes per year

FUNDING
Bank loan / Own capital
Tobias Greiling (Financial director)
Administrative Authorisation: Obtained
Public utility statement: In process
Construction permit (Local Authority): In process

4. ALCALÁ DE GUADAIRA II. Alcalá de Guadaira (Sevilla) ANDALUCÍA

TECHNICAL DATA

SURFACE AREA OF MODULES
Approx. 72,160 m^2

NUMBER OF MODULES
44,000 modules

TYPE OF MODULES
250 Wp

INVERTERS **SYSTEM**
To be determined axis tracker

POWER GENERATED
11 Mwp

ADMINISTRATIVE DATA

Lease agreement: Yes
Guarantee deposited: Yes
Access point and connection: Yes
Environmental impact statement (BOE): Not required
Unified Environmental Authorisation: NOV 2019

FINANCIAL DATA

FORECAST ANNUAL YIELD
21,450,000 kWh

ANNUAL DEGRADATION
0.4%

ENERGY POOL SALE PRICE
€ 45/Mwh

EMISSIONS SAVINGS
21,633 tonnes of CO_2 per year

EQUIVALENT TO THE CONSUMPTION OF
6,600 homes per year

FUNDING
Bank loan / Own capital
Tobias Greiling (Financial director)
Administrative Authorisation: FEB 2019
Public utility statement: Requested
Included in energy planning: Not required
Construction permit : MAY 2020
REE technical access agreement: JUN 2020

5. ALGAIDAS. Villanueva de Algaidas (Málaga) - ANDALUCÍA
PROJECTS WITH ENERGY STORAGE (BATTERIES)

TECHNICAL DATA

SURFACE AREA OF MODULES
Approx. 39,250 m^2

NUMBER OF MODULES
6,750 modules

TYPE OF MODULES
To be determined

INVERTERS **SYSTEM**
To be determined Axis tracker

POWER GENERATED
2.7 Mwp

ADMINISTRATIVE DATA

Lease agreement: Yes
Guarantee deposited: Yes
Access point and connection: Yes
Environmental impact statement (BOE): Not required
Unified environmental statement: NOV 2019

FINANCIAL DATA

FORECAST ANNUAL YIELD
1,400,000 kWh

ANNUAL DEGRADATION
0.4%

ENERGY POOL SALE PRICE
€45/Mwh

EMISSIONS SAVINGS
5,310 tonnes of CO_2 per year

EQUIVALENT TO THE CONSUMPTION OF
1,620 homes per year

FUNDING
Bank loan / Own capital
Tobias Greiling (Financial director)
Administrative Authorisation: FEB 2019
Public utility statement: Requested
Included in energy planning: Not required
Construction permit : MAY 2020
REE technical access agreement: JUN 2020

PHOTOVOLTAIC SYSTEMSYSTEMS

Gasabermeja
Herrera
Antenquera
Málaga
Puente Genil
Alcalá de Guadaira
Jerez de la Frontera
Guadix
Algeciras
Sevilla
Andujar

PROJECTS UNDER DEVELOPMENT IN SPAIN

Huercal
Almería
Peligros
Paraje de Cabrera
Alcalá de Guadaira
Guillana
Puerta Real
Alcalá del Río
Alcalá de los Gazules
Vaguadas

1. GERENA Salteras y Alcalá del Río (Sevilla) - ANDALUCÍA

TECHNICAL DATA

SURFACE AREA OF MODULES
Approx. 307,632 m²
NUMBER OF MODULES
153,816 modules
TYPE OF MODULES
To be determined
INVERTERS **SYSTEM**
To be determined Axis tracker
POWER GENERATED
49 Mwp

ADMINISTRATIVE DATA

Lease agreement: Yes
Guarantee deposited: Yes
Access point and connection: Yes
Environmental impact statement (BOE): Not required
Unified environmental statement: Requested

FINANCIAL DATA

FORECAST ANNUAL YIELD
95,000,000 kWh
ANNUAL DEGRADATION
0.4%
ENERGY POOL SALE PRICE
€45/Mwh
EMISSIONS SAVINGS
96,367 tonnes of CO_2 per year
EQUIVALENT TO THE CONSUMPTION OF
29,400 homes per year
FUNDING
Bank loan / Own capital
Tobias Greiling (Financial director)

Administrative Authorisation: Requested
Public utility statement: Requested
Included in energy planning: Not required
Construction permit : No
REE technical access agreement: No

2. GERENA II Genera (Sevilla) - ANDALUCÍA

TECHNICAL DATA

SURFACE AREA OF MODULES
Approx. 307,632 m²
NUMBER OF MODULES
153,816 modules
TYPE OF MODULES
To be determined
INVERTERS **SYSTEM**
To be determined Axis tracker
POWER GENERATED
49Mwp

ADMINISTRATIVE DATA

Lease agreement: Yes
Guarantee deposited: Yes
Access point and connection: Yes
Environmental impact statement (BOE): Not required
Unified environmental statement: Requested

FINANCIAL DATA

FORECAST ANNUAL YIELD
95,000,000 kWh
ANNUAL DEGRADATION
0.4%
ENERGY POOL SALE PRICE
€45/Mwh
EMISSIONS SAVINGS
96,367 tonnes of de CO_2 per year
FUNDING
Bank loan / Own capital
Tobias Greiling (Financial director)
EQUIVALENT TO THE CONSUMPTION OF
29,400 homes per year

Administrative Authorisation: Requested
Public utility statement: Requested
Included in energy planning: Not required
Construction permit : No
REE technical access agreement: No

PHOTOVOLTAIC SYSTEM

3. ALCALÁ DE LOS GAZULES Alcalá de los Gazules (Cádiz) ANDALUCÍA

TECHNICAL DATA

SURFACE AREA OF MODULES
Approx. 307,632 m²
NUMBER OF MODULES
153,816 modules
TYPE OF MODULES
To be determined
INVERTERS **SYSTEM**
To be determined Axis tracker
POWER GENERATED
49.99 Mwp

ADMINISTRATIVE DATA

Lease agreement: Yes
Guarantee deposited: Yes
Access point and connection: Yes
Environmental impact statement (BOE): Not required
Unified environmental statement: Requested

FINANCIAL DATA

FORECAST ANNUAL YIELD
80,000,000 kWh
ANNUAL DEGRADATION
0.4%
ENERGY POOL SALE PRICE
€45/Mwh
EMISSIONS SAVINGS
96,367 tonnes of CO_2 per year
EQUIVALENT TO THE CONSUMPTION OF
29,400 homes per year
FUNDING
Bank loan / Own capital
Tobias Greiling (Financial director)

Administrative Authorisation: Requested
Public utility statement: Requested
Included in energy planning: Not required
Construction permit : No
REE technical access agreement: No

4. ALCALÁ DE LOS GAZULES II Alcalá de los Gazules (Cádiz) ANDALUCÍA

TECHNICAL DATA

SURFACE AREA OF MODULES
Approx. 307,632 m²
NUMBER OF MODULES
153,816 modules
TYPE OF MODULES
To be determined
INVERTERS **SYSTEM**
To be determined Axis tracker
POWER GENERATED
49.99 Mwp

ADMINISTRATIVE DATA

Lease agreement: Yes
Guarantee deposited: Yes
Access point and connection: Yes
Environmental impact statement (BOE): In process
Unified environmental statement: In process

FINANCIAL DATA

FORECAST ANNUAL YIELD
80,000,000 kWh
ANNUAL DEGRADATION
0.4%
ENERGY POOL SALE PRICE
€45/Mwh
EMISSIONS SAVINGS
96,367 tonnes of CO_2 per year
EQUIVALENT TO THE CONSUMPTION OF
29,400 homes per year
FUNDING
Bank loan / Own capital
Tobias Greiling (Financial director)

Administrative Authorisation: In process
Public utility statement: Requested
Included in energy planning: Not required
Construction permit: No
REE technical access agreement: No

5. JEREZ MONTE ALTO Jerez de la Frontera (Cádiz) - ANDALUCÍA

TECHNICAL DATA

SURFACE AREA OF MODULES
Approx. 307,632 m²

NUMBER OF MODULES
153,816 modules

TYPE OF MODULES
to be determined

INVERTERS
to be determined

SYSTEM
Axis tracker

POWER GENERATED
49.99 Mwp

ADMINISTRATIVE DATA

Lease agreement: Yes
Guarantee deposited : (Junta de Andalucía): Yes
Access point and connection (Endesa): Yes
Unified Environmental Authorisation: In process

FINANCIAL DATA

FORECAST ANNUAL YIELD
107,250,000 kWh

ANNUAL DEGRADATION
0.4%

ENERGY POOL SALE PRICE
€50/Mwh

ANNUAL DEGRADATION
96,367 tonnes of CO_2 per year

EQUIVALENT TO THE CONSUMPTION OF
29,400 homes per year

FUNDING
Bank loan / Own capital
Tobias Greiling (Financial director)

Administrative Authorisation: In process
Public utility statement: Requested
Construction permit (Local Authority): No

6. CHAMORRO Guillena (Sevilla) - ANDALUCÍA OKKK

TECHNICAL DATA

SURFACE AREA OF MODULES
Approx. 15,000 m²

NUMBER OF MODULES
24,976 modules

TYPE OF MODULES
to be determined

INVERTERS
Siemens Sinacon (2 und.)

SYSTEM
Axis tracker

POWER GENERATED
10 Mwp

ADMINISTRATIVE DATA

Lease agreement: Pending
Guarantee deposited : (Junta de Andalucía): Yes
Access point and connection (Endesa): Yes
Unified Environmental Authorisation: Obtained

FINANCIAL DATA

FORECAST ANNUAL YIELD
20,000,000 kWh

ANNUAL DEGRADATION
0.4%

ENERGY POOL SALE PRICE
€45/Mwh

ANNUAL DEGRADATION
19,667 tonnes of CO_2 per year

EQUIVALENT TO THE CONSUMPTION OF
6,000 homes per year

FUNDING
Bank loan / Own capital
Tobias Greiling (Financial director)

Unified environmental statement: In process
Administrative Authorisation: In process
Public utility statement: Requested
Construction permit (Local Authority): No

PHOTOVOLTAIC SYSTEMS

7. CIUDAD RODRIGO II Ciudad Rodrigo (Salamanca) CASTILLA Y LEÓN

TECHNICAL DATA

SURFACE AREA OF MODULES
Approx. 142,000 m²

NUMBER OF MODULES
50,400 modules

TYPE OF MODULES
to be determined

INVERTERS
Siemens Sinacon (2units)

SYSTEM
Axis tracker

POWER GENERATED
21 Mwp

ADMINISTRATIVE DATA

Lease agreement: Pending
Guarantee deposited : (Junta de Andalucía): Yes
Access point and connection (Endesa): Yes
Unified Environmental Authorisation: Obtained

FINANCIAL DATA

FORECAST ANNUAL YIELD
107,250,000 kWh

ANNUAL DEGRADATION
0.4%

ENERGY POOL SALE PRICE
€45/Mwh

ANNUAL DEGRADATION
41,300 tonnes of CO_2 per year

EQUIVALENT TO THE CONSUMPTION OF
12,600 homes per year

FUNDING
Bank loan / Own capital
Tobias Greiling (Financial director)

Unified environmental statement: In process
Administrative Authorisation: In process
Public utility statement: Requested
Construction permit (Local Authority): No

8. GUILLENA SANTOS Guillena (Sevilla) - ANDALUCÍA
PROJECTS WITH ENERGY STORAGE (BATTERIES)

TECHNICAL DATA

SURFACE AREA OF MODULES
Approx. 75,000 m²

NUMBER OF MODULES
32,292 modules

TYPE OF MODULES
to be determined

INVERTERS
Siemens Sinacon (2 units)

SYSTEM
Axis tracker

POWER GENERATED
12 Mwp

ADMINISTRATIVE DATA

Lease agreement: Pending
Guarantee deposited : (Junta de Andalucía): Yes
Access point and connection (Endesa): Yes
Unified Environmental Authorisation: Obtained

FINANCIAL DATA

FORECAST ANNUAL YIELD
2,200,000 kWh

ANNUAL DEGRADATION
0.4%

ENERGY POOL SALE PRICE
€45/Mwh

ANNUAL DEGRADATION
15,600 tonnes of CO_2 per year

EQUIVALENT TO THE CONSUMPTION OF
7,200 homes per year

FUNDING
Bank loan / Own capital
Tobias Greiling (Financial director)

Unified environmental statement: In process
Administrative Authorisation: In process
Public utility statement: Requested
Construction permit (Local Authority): No

9. LA HOLGADA FV La Zarza (Badajoz) - EXTREMADURA

TECHNICAL DATA

SURFACE AREA OF MODULES
To be determinated

NUMBER OF MODULES
To be determinated

TYPE OF MODULES
To be determinated

INVERTERS
To be determinated

SYSTEM
Axis tracker

POWER GENERATED
58 Mwp

ADMINISTRATIVE DATA

Lease agreement: Yes
Guarantee deposited: Yes
Access point and connection: Yes
Environmental impact statement (BOE): Not required
Unified Environmental Authorisation: Requested

FINANCIAL DATA

FORECAST ANNUAL YIELD
100,000,000 kWh

ANNUAL DEGRADATION
0.4%

ENERGY POOL SALE PRICE
€45/Mwh

EMISSIONS SAVINGS
70,800 tonnes of CO_2 per year

EQUIVALENT TO THE CONSUMPTION OF
34,800 homes per year

FUNDING
Bank loan / Own capital
Tobias Greiling (Financial director)

Administrative Authorisation: Requested
Public utility statement: Requested
Included in energy planning: Not required
REE technical access agreement: No

PHOTOVOLTAIC

SYSTEM

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