



**Building  
the energy  
of the future**

CORPORATE PROFILE

**“Building  
the energy  
of the future”**

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# 01

## About GRS

GRS is a company, specialized in the development, construction, operation and maintenance of solar PV plants and their connection to the grid, with great international projection and operating in the five continents.

As part of Gransolar, a vertically integrated group, GRS can cover all activities in the PV Solar downstream value chain.

- **Projects development**
- **Construction**
- **Operation & Maintenance**

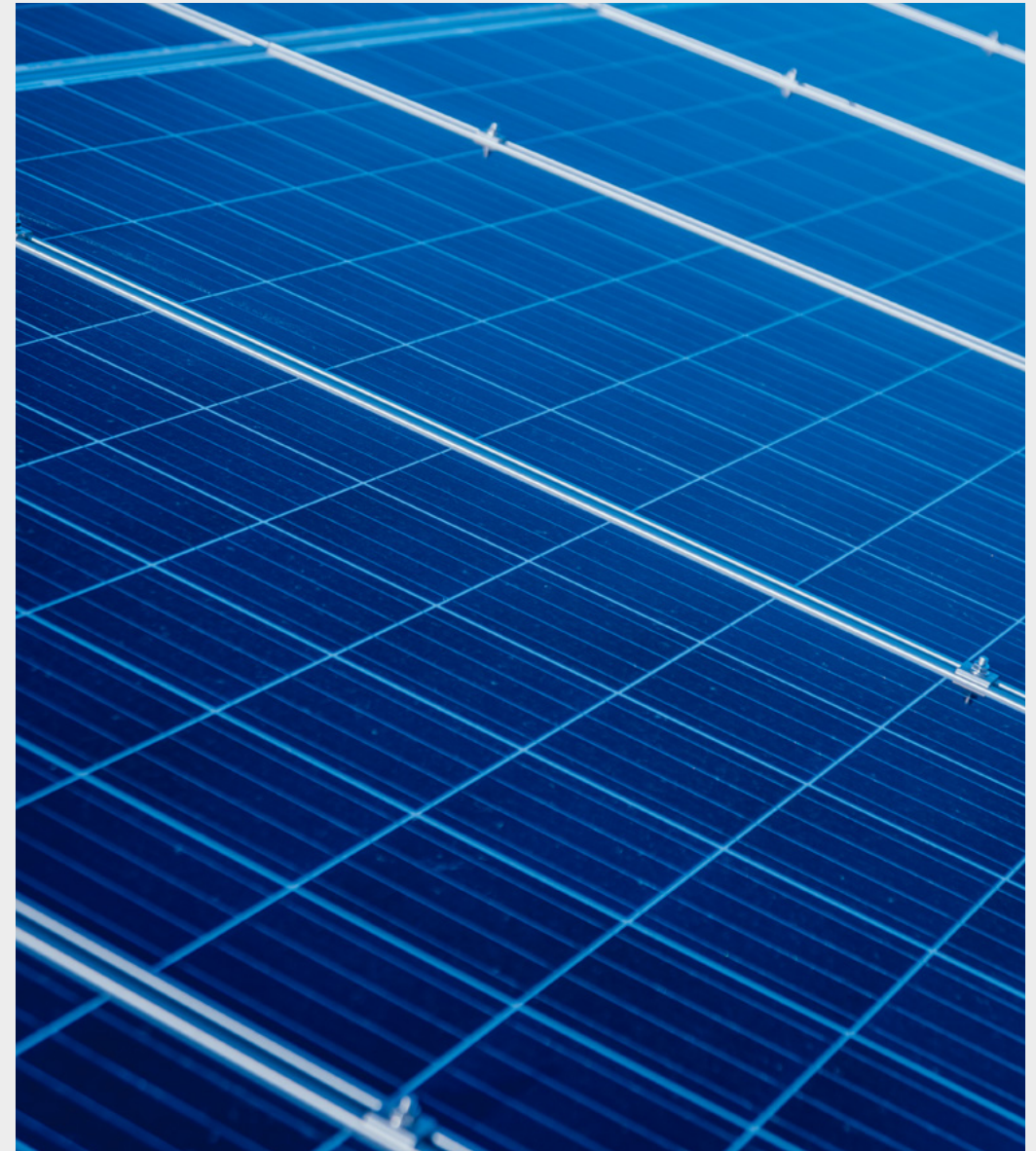
**UNE-EN-ISO 9001:2015**  
Quality Management  
System



**UNE-EN-ISO 14001:2015**  
Environmental  
Management System



**ISO 45001**  
Occ. Health and Safety  
Management System







107

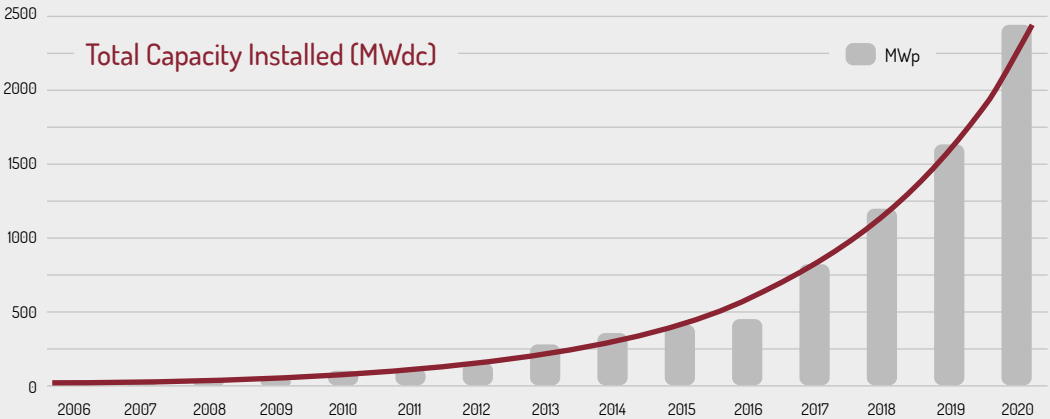
COMPLETE PLANTS

17

COUNTRIES

2,440

MWdc CAPACITY



**TRACK RECORD**  
Spain, Italy, Portugal, Bulgaria, South Africa, Mauritius, United States, Brazil, United Arab Emirates, Guatemala, El Salvador, Honduras, Colombia, Panama, Mexico, Philippines and Australia.



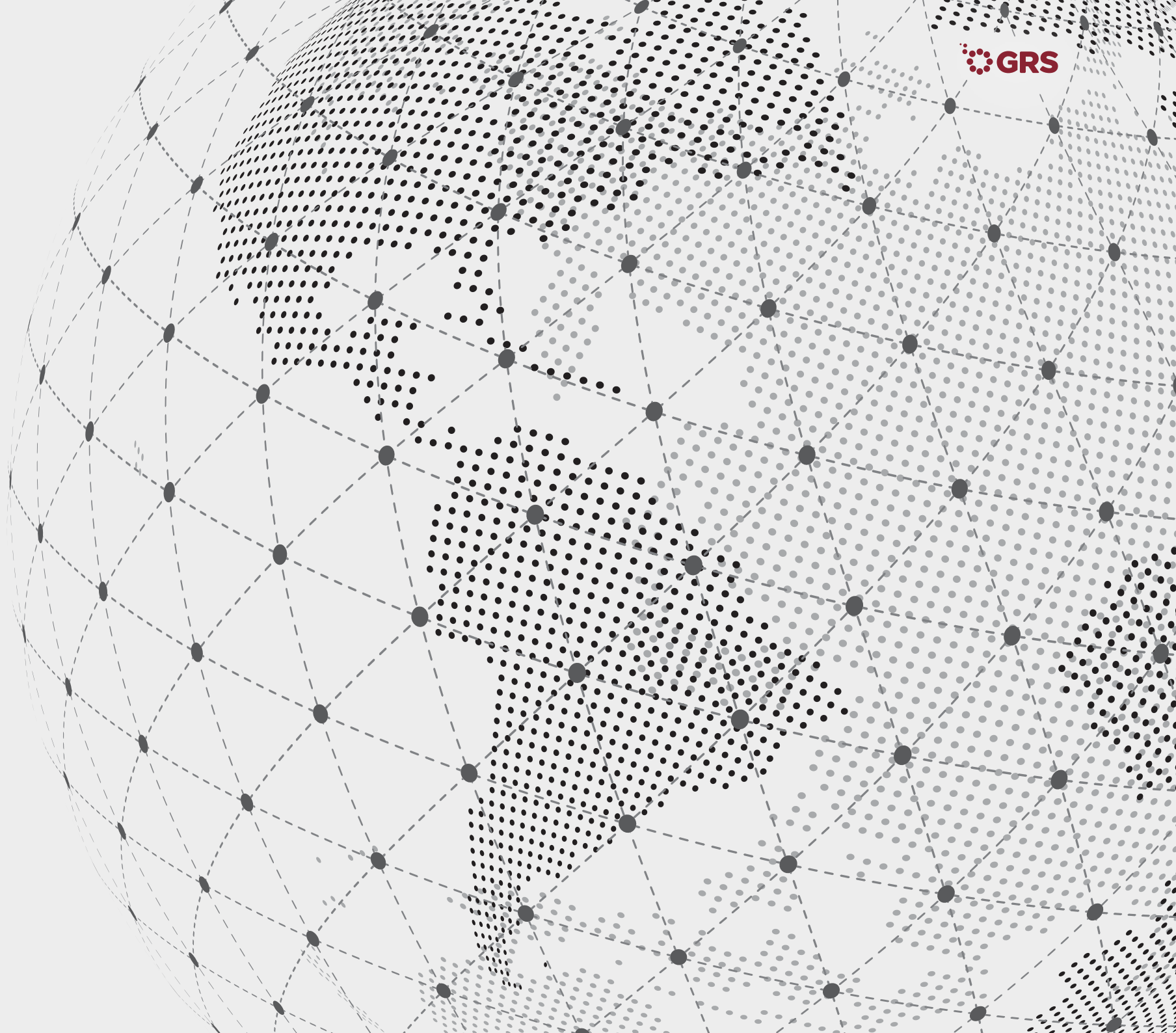


2005	2006 2007	2008 2009	2010 2011	2012	2013	2014	2015	2016	2017 2018	2018 2019	2020
Founding of GRS as part of Gransolar Group	Construction of the first 10 PV plants in Spain.  Business Development Line Start.  Incorporation of our engineering team.	O&M business line start.  Incorporation of Gransolar-Ghella in Italy.  Development and installed: <ul style="list-style-type: none"><li>• 70 MW in Italy.</li><li>• 2 new plants in Spain.</li></ul>	30 MW installed in Italy and US.  10 MW PV Plant constructed in Portugal.  32 MW installed in Italy.  Solar tracking team incorporated in the US.  Incorporation of Hypesolar to develop 12 MW in Portugal.	150 MW award projects in South Africa.  Incorporation of our engineering in South Africa.  Construction of 10 MW in Spain.	Construction of 12 MW in Portugal.  Construction of 150 MW in South Africa.  Incorporation of GRS Central America.	Incorporation of GRS in Mexico to develop and installed 100 MW.  Construction of 6 MW in Guatemala.  25 MW awarded in New Mexico (US).	60 MW PPA awarded in auction process in Brazil.  Construction of 50 MW in Philippines.  60 MW awarded in Honduras.	1GW awarded in UAE.  43 MW awarded in USA.  Construction of 35 MW in Mexico.  Construction of 2 MW in Mauritius.	Construction of: <ul style="list-style-type: none"><li>• 60 MW in Brasil.</li><li>• Phase A of 1GW in UAE.</li><li>• 125 MW Australia.</li><li>• 120 MW in Mexico.</li></ul> Under construction: <ul style="list-style-type: none"><li>• Phase B and C in UAE.</li><li>• 50 MW in Spain.</li><li>• 60 MW in South Africa.</li></ul> 90 MW awarded in Australia.	GRS reaches 2 GW of power installed: <ul style="list-style-type: none"><li>• 50 MW built in Spain</li><li>• 200 MW awarded in Australia</li><li>• 250 MW in O&amp;M in South Africa</li></ul> GRS project Acquisitions is created	50 MW built in Spain.  50 MW awarded in Portugal.  Construction of 38 MW in Australia.  319 MW awarded in Australia.

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## OUR BUSINESS STRATEGY

- Highly- Qualified Employees
- Sound Development and Construction Pipeline
- Solid Track Record Execution
- Strong Industry Fundamentals
- Integrated Business Model
- International DNA





# 02

## Project development

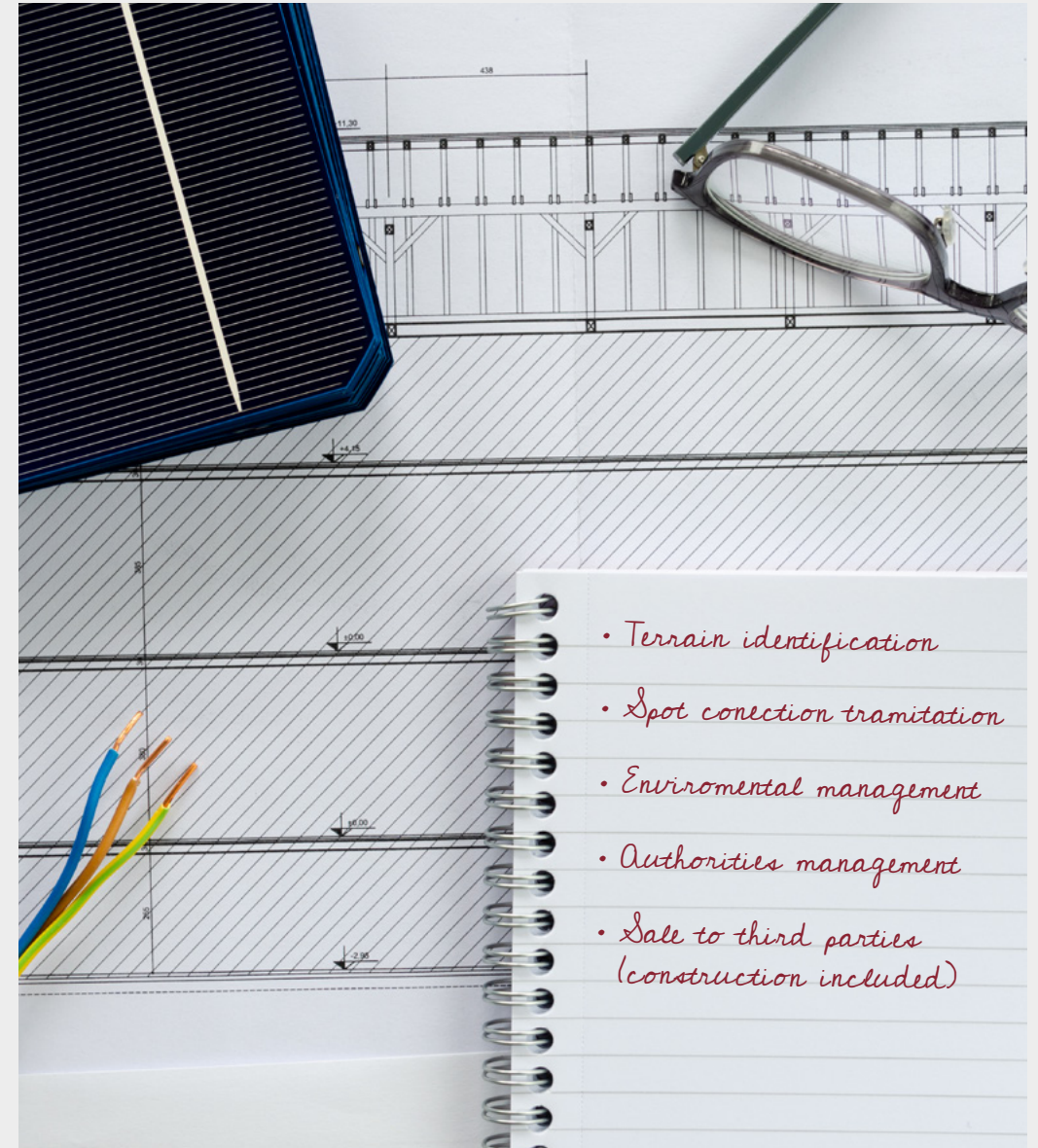
From the Project Development Area, we combine our experience in the sector with a powerful technical competence and a wide knowledge in functional models and in the commercialization of energy, with different mechanisms such as PPA, Merchand, Feed-in-Tariffs and Derivatives, which allow us to estimate with a high degree of reliability the expected income.

GRS adds value by adapting efficient solutions to each individual project,

securing government approvals, negotiating economic partnership agreements and driving project financing to financial closure.

In order to have greater control, GRS only develops its own projects, either greenfield or brownfield, in those geographies in which it has a physical presence.

Therefore, together with our affiliated development companies in Brazil, Chile, Spain, Italy and USA, GRS is active in the most promising photovoltaic markets.



# 03

## Construction

We have a team experienced in the construction of photovoltaic plants for more than 15 years. In the projects in which we participate, we are committed to meeting the agreed deadlines, maximising plant production, reducing costs and ensuring maximum quality throughout the process.

Our ability to purchase components and equipment allows us to build and operate with the latest advances in technological innovation. That

is why we are a benchmark in the photovoltaic energy sector.

At GRS we have a long-term approach that allows us to develop projects with a high degree of reliability. At GRS we have all the certifications that accredit us as a trusted EPC, corroborating our commitment to project quality, the health of our workers and social responsibility.

The standard timeline to build a project of any kind, consists in the following ten steps.



- SITE PREPARATION
- POSTS
- TILT BRACKETS
- MOUNTING STRUCTURES
- MODULE INSTALLATION
- DC WIRING
- POWER ELECTRONICS
- AC TRENCHING
- PV SWITCHGEAR
- SUBSTATION



Our business strategy, which consists in developing, building and operating small and large scale projects, adapting to different needs, has allowed us to reach a level of excellence to continue growing as one of the leading international EPC constructors.

## SERVICES

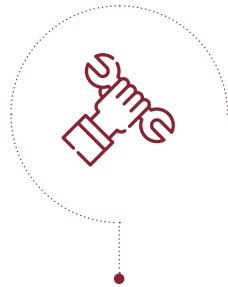
- Engineering Design
- EPC Construction
- Quality control & testing
- Commissioning
- Operation and Maintenance

## PRODUCTS

Solar trackers, SCADA software solutions, drivers, controllers, racking and batteries within our own group companies.

## SOLUTIONS

Integration of storage and hybrid (solar + storage) solutions; power electronic solutions and Energy Management Systems (EMS) within our own holding company.



**INTEGRAL ENGINEERING SERVICES  
AND SUPPORT SYSTEMS**

Site design, geotechnical evaluation and foundation design, permits, on-site construction and start-up support.



**LOGISTIC**

We coordinate the delivery of materials according to the client's requirements, making organized deliveries to facilitate the construction.



**IN-HOUSE RESOURCES**

In addition to the usual supply of trackers, we offer integral services (complete, technical solutions, etc.) of construction that cover foundations, tracker assembly, mechanical assembly of trackers and batteries.



**BANKABILITY**

We have technical due diligence reports available from our financial statements and track record.





# 04

## Commissioning & start-up

Start-up assistance and quality control are essential to maintain the efficiency of energy production throughout the life of the PV plant. Hot and cold

commissioning is essential when inspecting the installation and checking that its performance is adequate. GRS has qualified personnel for:

- **Start-up of hot and cold commissioning**
- **Solar plant start-up**
- **Electrical and mechanical supervision**
- **Start-up budget for tenders**
- **Technical advice on EPC contracts and property engineering**





GRS Commissioning has a pioneering procedure for implementing advanced systems for acquiring geospatial data using drones.

It is formed by a team of highly qualified professionals accredited by the State Agency for Air Safety. It is registered as an operator of remotely piloted aircraft systems (RPAS)

#### What we do:

- **Photogrammetry**
- **Photo-video reports**
- **Termography inspections**
- **Visual recognition flights**



# 05

## Operation & Maintenance

O&M's tasks are carried out by highly qualified personnel, who guide the client with the maximum security so that his plant works in the most

demanding quality conditions. Nowadays, O&M has **more than 200 highly qualified employees** operating in nine countries around the world.



**1,996.74 MW**

MAINTENANCE AROUND  
THE WORLD

Our services range from remote monitoring and control to on-site inspections, preventive and corrective interventions. We currently manage the maintenance of more than 1,996 MW worldwide.

**Local workers**

TRAINED FOR OUR OWN  
PROFESSIONALS

Adapting to the culture of the country in which we develop our projects, we involve and hire local workers who are previously trained for our team. Once the operation is completed, the local jobs are maintained to perform the maintenance functions of the photovoltaic plant.

**2/3 years**

O&M WARRANTY

O&M offers a warranty period between 2 and 3 years, and complete care throughout the life of the photovoltaic plant. In addition, it has a monitoring team that monitors the performance of all plants operating worldwide, working 24 hours a day.

**24 hours**

MONITORING TEAM

**+30%  
productivity**

CLEANING IN-HOUSE  
SOLUTION

The cleaning of solar panels is essential, that's why we give our clients an in-house solution prepared for the cleaning of large-scale photovoltaic plants, that allows to improve the productivity of plants by up to 30%.

# 06

## GRS OFFICES

