Bester

Building a sustainable

world Corporate Presentation

Building a sustainable world

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About Bester

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Locations











Locations



Bester Seville





Locations

Bester Latam Mexico City









Value Chain





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PROJECTS DEVELOPED IN HOUSE



- Identification of strategic markets.
- Development of renewable projects, from technical design to obtain the permits, licenses and authorizations (PLAs) to operate the plants.
- Knowledge of the regulation of renewable energy in the different countries.
- Working with local partners AND hiring legal and technical offices internationally recognized.
- Planning, strategy definition and identification of potential investors.
- Assess the project characteristics, both technical and financial.
- Creation of the appropriate structure and incorporation of the necessary SPVs.
- Identification of potential investors.
- Sale of the SPVs to the Client.

- Engineering, Procurement, Construction, Installation and Commissioning of wind and PV projects.
- The Environmental Health & Safety obligations and regulations are applied to the design, construction and operation of the installation.
- Monitoring and inspection in the final phase of construction.
- Testing and verifying the facility to ensure the project meets the design criteria and quality established with the client and in accordance with international and local standards.

- Preventive maintenance:
 - Inverters, transformers, MV switchgears, surveillance systems...
 - PV modules, metallic structures, tracking systems...
 - Cleaning, ground maintenance, pest control...
- Predictive maintenance:
 - Performance analysis (modules and other equipment).
 - Thermographic studies.
- Corrective maintenance:
 - Repairs minimizing production losses due to failure.
 - Other services:
 - General coordination (technical training, procedures update...)
 - Management of warranties and insurance policies.
 - Health, Safety and Environment performance.
 - Site security and surveillance.
 - Monitoring:
 - Real-Time power plant monitoring to ensure optimal production.
 - Advanced monitoring platform.
 - In-house control room with video wall (designed for PV plants).
- Reporting:
 - Alarms daily reports.
 - Monthly In-Depth performance analysis with works descriptions.
 - Engineering reviews for critical issues

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Value Chain







BESPOKE SERVICE



- Basic and detailed engineering.
- Licenses: obtaining construction permits.
- Supply of modules, inverters and structure.
- · BOS (execution of civil works, assembly of panels, supply and assembly of inverters and structure, electrical installation LV/MV, communications and monitoring system, alarm system, auxiliary systems, etc.).
- Commissioning.
- PAC (provisional delivery of the plant)
- Warranty period, between 1 and 3 years from the provisional delivery.
- Link between the execution of the final work and the start of 0&M.
- Final plant delivery signing.



- Engineering **X**
- Licenses X
- Supply of modules X
- Supply of inverters and/or structure 🗸



- Commissioning 🗸 • PAC 🗸
- Warranty period 🗸
- Link EPC-O&M 🗸
- Final plant delivery signing



PROJECTS DEVELOPED BY THIRD PARTIES

SOFT BOS

- Engineering X
- Licenses X
- Supply of modules, inverters and/or structure X
- Execution of civil works, assembly of panels, assembly of inverters and structure, electrical installation LV/MV, communications and monitoring system, alarm system, auxiliary systems, etc. 🗸
- Commissioning



• Warranty period 🗸

• Link EPC-0&M Final plant delivery signing



PROJECT MANAGEMENT

- Supervision, inspection and commissioning for each construction phase.
- Coordinate all available resources to achieve the success of the project in the limitations established with the client regarding time, quality and budget.
- Responsibility in Management Systems (HSEQ).
- Handle any setbacks that may occur with contractors.
- Correction of defective jobs.



Business model oriented to the maximization of benefits

- Integration into strategic markets in the renewable energies sector due to their optimum conditions of location, natural factors and incentives.
- Vertical value chain integration of each project: Development, EPC and O&M. We engage in the full life cycle of solar projects development including project selection, design, financing, permitting, engineering, procurement, construction, installation, monitoring, operation and maintenance.

Strategic position in growing and consolidated markets

- EPC and O&M services in Romania, Italy, UK, France, Bulgaria, Germany, Portugal and Mexico.
- Development -Project pipeline- in Mexico and Spain.

Use of different solutions in photovoltaic plants

• Fixed structure Installations vs single axis tracking structures/ Monorow vs multirow single-axis tracker/ Vertical vs horizontal position of the photovoltaic panels / Use of different type of panels and number of units per row in each installation to maximize power level and energy production quality/ Centralized inverters vs distributed inverters / Cable trays vs underground cables.

Extensive track record in renewable energy projects

- A portfolio of over 5 GW under development, around 1000 MW ready-to-build.
- Almost 1GW of EPC projects completed.
- Operation and Maintenance services of solar power facilities that have added up to a total of 1370 MW since 2011.
- Experienced, qualified and committed Management Team
- Management team with more than 25 years of experience in the renewable energy sector.

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OHSAS 18001

Certification

BUREAU VERITAS

• The Company has a strong brand image with high recognition in the sector thanks to the high quality of the services performed in the past years.

ISO 14001

Certification

BUREAU VERITAS

ISO 14064

Certification

BUREAU VERITAS

- Bester tackles highly complex projects within record design and implementation deadlines
- Bester achieved ISO 9001 Certification.

Why Bester?

Key Highlights

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Health and Safety in each of the project phases

ISO 9001

Certification

BUREAU VERITAS

- Emphasis on proactive and preventive practices: identification, assessment and control of occupational hazards.
- Bester is accredited with the certificate Occupational Health and Safety Management System 18001 (OHSAS).

Establishment, procedures, and control of environmental objectives and targets

- Monitoring, measurement and control of envirionmental aspects: requirements from the Environmental Impact Studies and **Environmental Impact Statements.**
- Bester was granted **ISO 14001 certification** in recognition of Bester's environmentally friendly operations in 2011.
- Minimizing environmental impact measured by the carbon footprint generated by Bester's activity
- Bester was certified under ISO 14064, introducing the methodology for quantification and reporting of Bester's greenhouse gas (GHG) emissions and removals, which are neutralized by the company through the acquisition of CERs (Certified Emission Reductions) generated through the CDM (Clean Development Mechanism), and are acquired in the Emissions Trading System of the European Union (EU ETS).

Use of high technology resources

- Use of ERP platform for the total integration of all areas of the company.
- CMMS software with mobile app for the best O&M management.
- SCADA systems specifically designed for renewable-energy production facilities.
- Up-to-date instrumentation (advanced drones, thermal cameras, electronic meters...).











ISO 9001 **BUREAU VERITAS**

Certification

ISO 14001 **BUREAU VERITAS**

Certification



Worlwide projects

Project Map | Trackrecord EPC & O&M | Type of PV installations | Relevant Projects

Worldwide Projects

Project Map





Worldwide Projects

Type of PV Installations

Photovoltaic system on greenhouse



ISTRES

Installed Capacity: 10.5 MWp Location: Istres, Provence-Alpes Cote d'Azur (France) Runtime: 3.5 months

Photovoltaic power plant



Rooftop photovoltaic plant

CASERMAS

Installed Capacity: 20 MWp Location: Italy Runtime: 2 months

ROLLESTON

Installed Capacity: 18 MWp Location: Burton-on-Trent, Staffordshire (United Kingdom) Runtime: 5 months

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Photovoltaic Power Plant Installed Capacity: 56 MWp Location: Satu Mare, Transylvania (Romania) Runtime: 5 months

Solaris





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Ahumadas

Photovoltaic Power Plant

Installed Capacity: 144 MWp Location: Chihuahua (Mexico) Runtime: 6 months



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Ahumadas

34.5/115kV Substation 4x30 MVA Transformer

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Ahumadas

Enlargement of the Interconnection Substation





















Rancho El Trece

Building of the Interconnection Substation

a sustainable world



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