

REFERENCES

Ecointegral Ingeniería



Renewables and Efficiency Division

SOLAR POWER

- 255 solar power installation projects, in different phases of development and/or implementation, with a total of 1 GW distributed across Spain.
- 70 projects for self-sufficiency and sale-to-grid installations completed in Spain.
- 298 feasibility reports for solar power installations, studying the corresponding industry conditions (environmental, urban, electrical, etc.) and the search for private land for their installation.
- 184 environmental permits, including the preparation of the necessary documents: environmental impact studies, acoustic reports, archaeological reports, etc., with public authorities dealing with the environment.
- 55 technical support and/or project management services for the implementation of solar power installations.
- 182 end-to-end formalities and procedures for grid-connected installations (applications for access/connection points to distributors and/or transmission companies, administrative permits with public authorities responsible for energy, application for public utility status and expropriations of private permits, municipal works licences, etc.).

WIND POWER

- 315 wind farm projects, with a total of 6 GW distributed internationally.
- 10 projects to repower wind farms, with the corresponding processing and supervision of works.
- 560 feasibility reports for the installation of wind farms, studying the corresponding industry conditions (environmental, urban, electrical, etc.) and search for land for their installation.
- 2 feasibility reports for offshore wind power projects.
- 70 end-to-end measurement campaigns: site selection, permit processing and installation. Using specialised software for study and analysis.
- 35 studies on wind power resources, based on measurements of our own or clients' resources and using software certified by financial institutions. Resource studies with meso and microscale models are included.
- 272 environmental permits, including the preparation of the necessary documentation: environmental impact studies, acoustic reports, archaeological reports, etc., with public authorities dealing with the environment.

- 12 technical support and/or project management services for the implementation of wind farms.
- 257 end-to-end formalities and procedures for grid-connected installations (applications for access/connection points to distributors and/or transmission companies, administrative permits with public authorities responsible for energy, application for public utility status and expropriations of private permits, municipal works licences, etc.).

OTHER RENEWABLE ENERGY PROJECTS

- 3 basic design and implementation projects for hydraulic power stations, with the end-to-end processing of public and/or private permits (applications for access/connection points to distributors and/or transporters, administrative permits with public authorities responsible for energy, application for public utility status and expropriations of private permits, municipal works licences, etc.).
- 15 feasibility reports for biomass plants, including the financial study with return on investment.

ELECTRICAL ENGINEERING - RENEWABLE ENERGIES

- 295 projects for evacuation substations at renewable energy plants, up to voltages of 400 kV.
- Preparation of 2,763 km of overhead and/or underground lines for the evacuation of a renewable energy plant.
- 142 environmental permits for evacuation installations, including the preparation of the necessary documents: environmental impact studies, acoustic reports, archaeological reports, etc., with public authorities dealing with the environment.
- 180 end-to-end formalities for evacuation installations with public authorities (administrative permits, approval of implementation projects, commissioning, municipal works licences, etc.) and/or private organisations (mutual agreements, public utility status, expropriations, etc.).

ENERGY EFFICIENCY

- 67 energy audits of residential and/or industrial installations, in compliance with current legislation (R. D. 235/2013).

Electricity Transmission and Distribution Division

ELECTRICITY TRANSMISSION

Lines

- 30 preliminary plans for overhead and/or underground transmission lines, 220 kV or 400 kV.
- 21 overhead line implementation projects, using specialised software to optimise this type of installation.
- 30 procedures for the processing and legal certification of high voltage overhead and/or underground lines.

Substations

- A capacity of 1,100 MVA in preliminary projects for transformer substations.
- A capacity of 1,025 MVA in projects for the execution of transformer substations, including the control and automation side.
- 94 projects for the renovation, extension, refurbishment and upgrade of substations, together with the monitoring of execution.
- Preparation of 38 as-built, electromechanical, protection, inspection and civil engineering drawings.
- Preparation of 20 construction drawings for the renovation and/or extension of substation protection systems.

ELECTRIC POWER DISTRIBUTION

- 26,000 technical studies into new supplies and service variants.
- 4,100 projects for low/high voltage power lines.
- 400 technical design reports, as established by regulations in force.
- 150 Technical Design Memories, as established in the regulations in force.
- 3,300 procedures for the processing and legal certification of high voltage overhead and/or underground lines, as established by regulations in force.
- 750 procedures for the processing and legal certification of transformer substations, as established by electricity regulations in force.
- 1,200 procedures to obtain permits by mutual agreement.
- 750 procedures for obtaining path permits by mutual agreement.
- 650 monitoring services of third-party facilities and preparation of transfer agreements for presentation to the competent energy authorities.
- Regulatory inspections of 5,722 km of high voltage overhead lines and 3,487 transformer substations, according to current legislation.
- 100 rearrangements of low voltage loads.
- 80 fraud detection warnings, with their corresponding adaptation and correction.
- 50 technical support services for low and high voltage projects.

- 27,000 regularisations and legal certifications of existing installations, as established in R.D. 437/2014.
- 60,000 contracting points (PCR) identified to map the low voltage grid.
- 200 coordinations of works

Telecommunications Division

REMOTE SITES AND INFRASTRUCTURE

- 20,000 technical visits to remote mobile phone locations in Spain.
- 15,000 projects and project management services for remote mobile phone locations for the leading operators (Vodafone, Telefónica, Orange, Cellnex, etc.)
- 10,000 radio emission reports, in compliance with current legislation.
- 2,200 procedures and legal certifications of permits for the installation of remote sites (municipal works licences, industry authorisations, etc.).
- 8,000 technical reports.

FIBRE OPTICS

- 6,800 technical reports on fibre optics (FTTH, FTTN, etc.).
- 5,300 technical visits to fibre optic networks (FTTH, FTTN, etc.).
- 2,500 fibre optic networks. Projects and facultative directions.
- 2,200 procedures and legal certifications of permits for the implementation of fibre optics (municipal works licences, industry authorisations, etc.).
- 500.000 real estate units redesigned and designed for major deployments.

RADIO AND TRANSMISSION DESIGN

- 982 radio and transmission designs for new and existing remote locations across Spain.