



**negratín**

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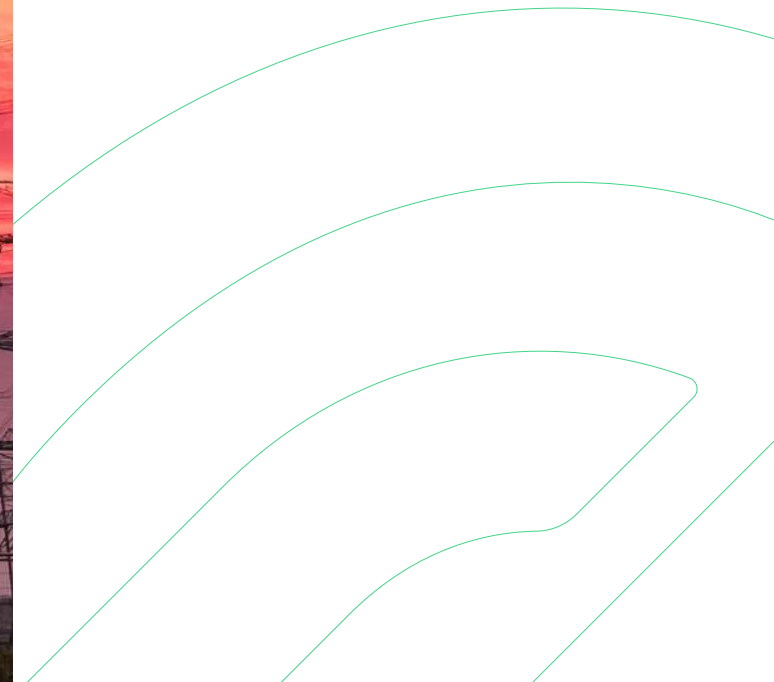
- Energy
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- Installations
- Industry
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## **Contact**



## **OUR GROUP**

- About us
- Mission, vision and values
- Track record
- Business Model
- International Presence



# ABOUT US

Negratín is an industrial and services group present worldwide. Our main added value lies in our participation in all phases of the project, from development to operation and maintenance, including execution, aligned with the client's objectives throughout the process, committed to quality, efficiency and production improvement.

Over 25 years providing solutions throughout the entire business value chain, with a professional, friendly and flexible approach.

Family business with governing and management bodies formed by professionals with proven experience in the sector.

The main added value that we offer is participation in all phases of the project, from development to maintenance including execution, which allows us to guarantee the optimal result.

This formula has positioned us both in the national and international markets, where we have carried out projects in Europe, America and Asia with presence in Spain, Peru, Chile, Mexico, Japan, U.K., Bolivia, Honduras, Colombia, Panama and Italy.

Great achievements, always based on sustainable growth, doing business and being environmentally friendly, to ensure that future generations will continue to write our history. Committed to the customer's objectives in terms of quality, cost and time.

## INDUSTRIAL AND SERVICES GROUP PRESENT WORLDWIDE

### 03 → 3 Sectors

- Energy
- Installations
- Industry

### 06 → 6 Business Lines

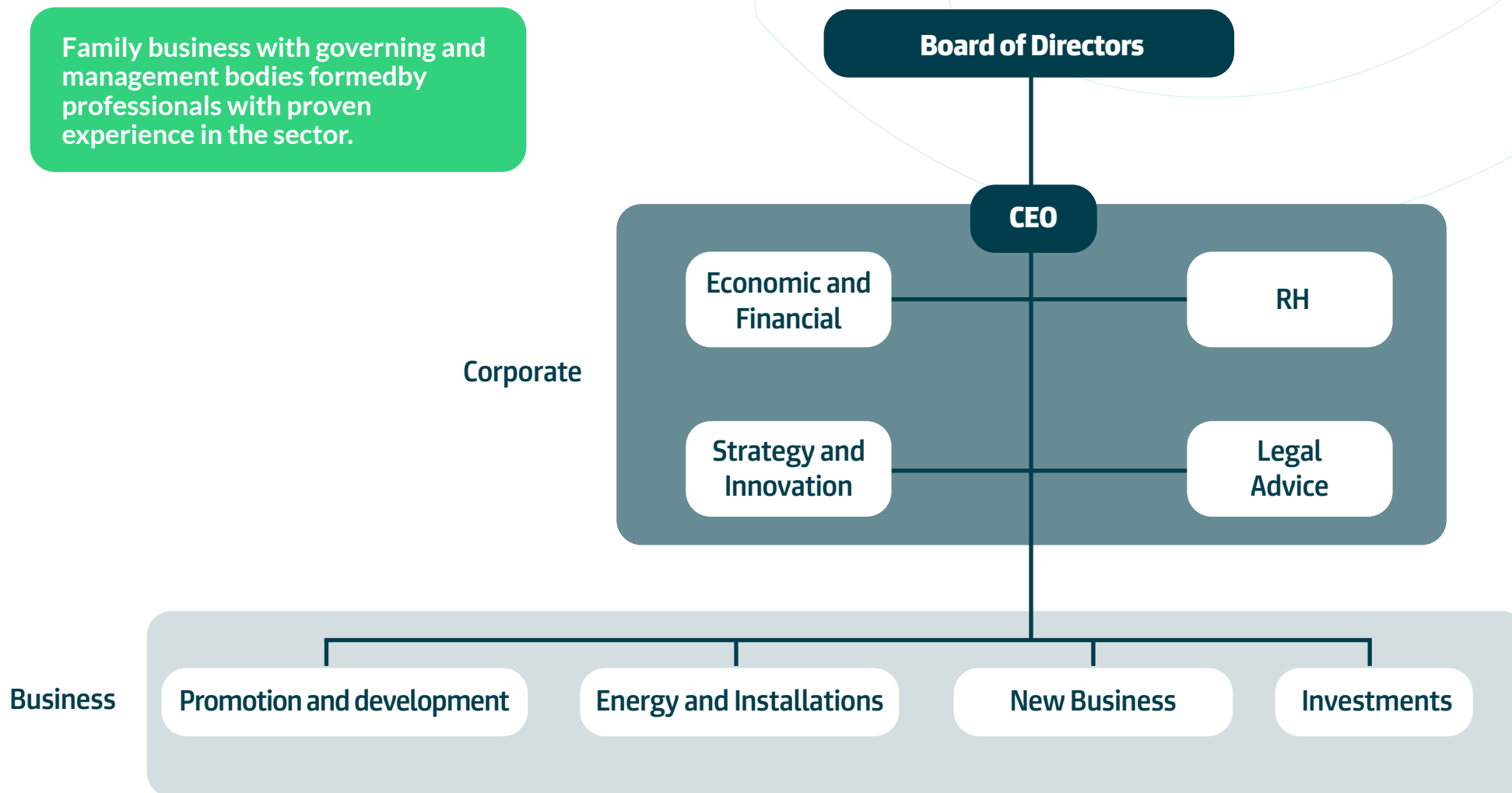
- EPC
- Development/Promotion
- Modular O&M
- Solutions
- Facilities
- Investment

### 03 → Present in 3 continents

- Asia
- Europe
- America

# ABOUT US

Family business with governing and management bodies formed by professionals with proven experience in the sector.

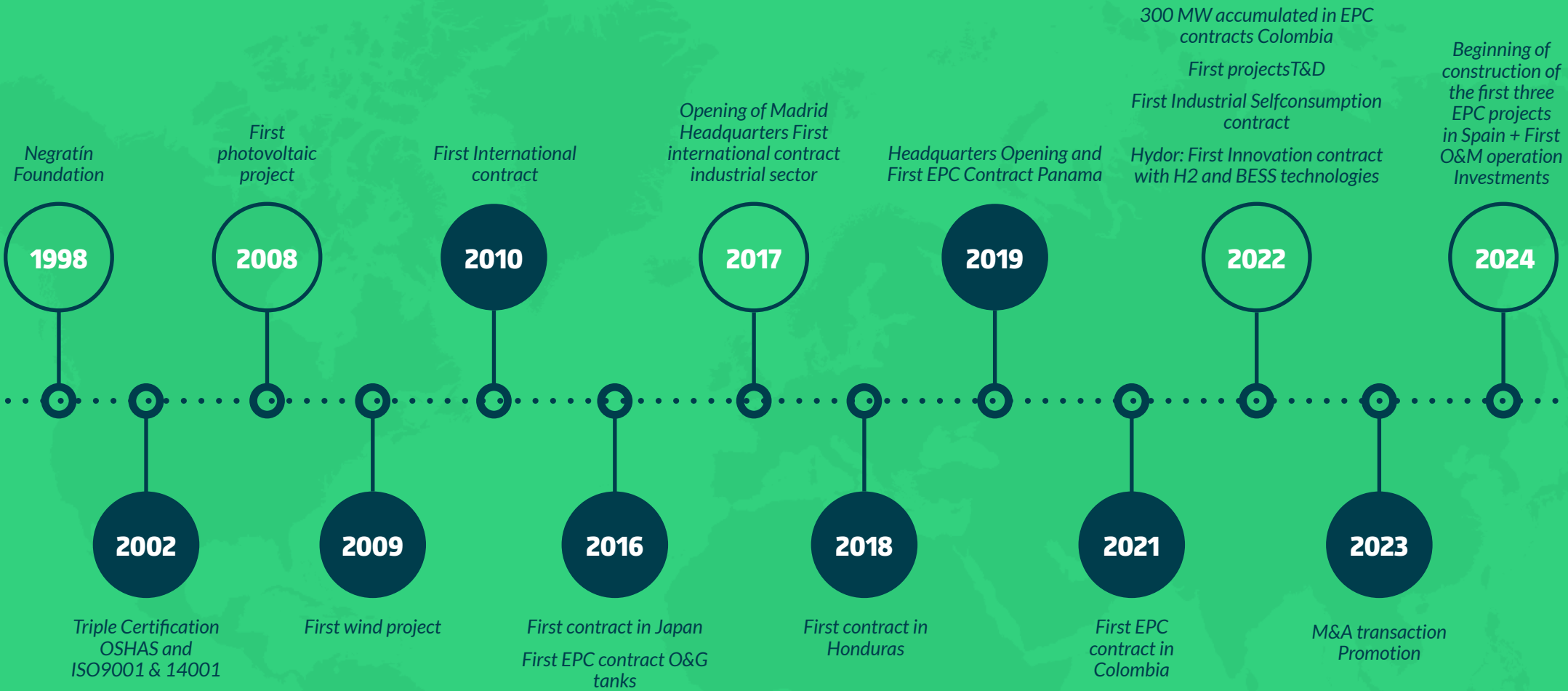




# TRACK RECORD

Negratín is an example of perseverance since its foundation, reaching disruptive milestones that brought us here and will serve as a lever for a diversified and innovative future.

## MAJOR ACHIEVEMENTS BASED ON SUSTAINABLE GROWTH



# **MISSION, VISION AND VALUES**

**WE ARE A TEAM,  
WE ARE NEGRATIN**

## **Purpose**

Societal needs are becoming more demanding every day, requiring global, agile and innovative solutions, with a clear commitment to sustainability.

## **Mission**

To provide high added value services to our clients, covering the entire value chain, in the Energy, Industry and Installations sectors.

To seek the excellence of our human team, incorporating knowledge, developing their skills, and relying on the most advanced technological tools.

Show our concern for the impact of our activity on society and the environment.

## **Vision**

A future based on the continuous and dynamic transformation of business models, in which the criteria of seeking social and environmental benefit, and the commitment to good business practices, are valued together with the economic result.

## **Values.We are:**

- **RESPONSIBLE and COMMITTED.**

Each person in our organisation is a leader, who undertakes, learns and is involved with his or her attitude and skills in the development of the Company.

- **INNOVATORS and CHALLENGERS.**

We care about what you have to say because it CONTRIBUTES. Innovate, propose new things, take the lead, that is how you leave your mark, enriching our project.

- **AGILE,WE ARE INVOLVED IN DECISIONS AND ACTIONS.**

We try to adapt. We study each situation to swiftly give the best response.

- **SIMPLE and HONEST.**

Less is more. Organisationally we look for simplicity, efficiency. Take the simplest approach that allows you the most effective and forceful response or solution. Personally, we are honest and humble, and we like to surround ourselves with good professionals who are even better people.

- **TEAM PLAYERS.**

We participate, collaborate, manage and create together. We know that together we can go further.



# BUSINESS MODEL

This operating model allows us to operate in a flexible way, adapting to market and customer requirements.

**A FLEXIBLE MODEL  
ADAPTABLE  
TO MARKET NEEDS**

## Negratín in the life cycle of the project



**R+D+i / Design**  
Design,  
innovation  
and  
New technologies



**Development  
and promotion**



**Investments  
/ File  
management**



**Engineering  
/ EPC**



**Operation /  
Maintenance**



**Modifications  
/ Optimisation**





# MAIN FIGURES



TOTAL  
SALES



STAFF  
(ANNUAL AVERAGE)



INTERNATIONAL  
PRESENCE

YEAR  
2023

75.85 EUR

277

CHILE, COLOMBIA, JAPAN  
AND HONDURAS

YEAR  
2022

73,44 M EUR

277

CHILE, COLOMBIA, JAPAN,  
HONDURAS, PANAMA,  
MEXICO

YEAR  
2021

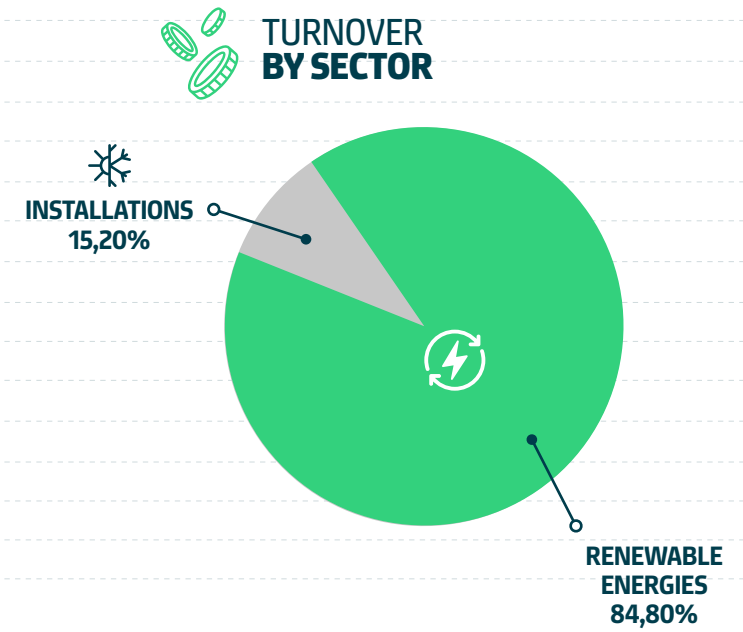
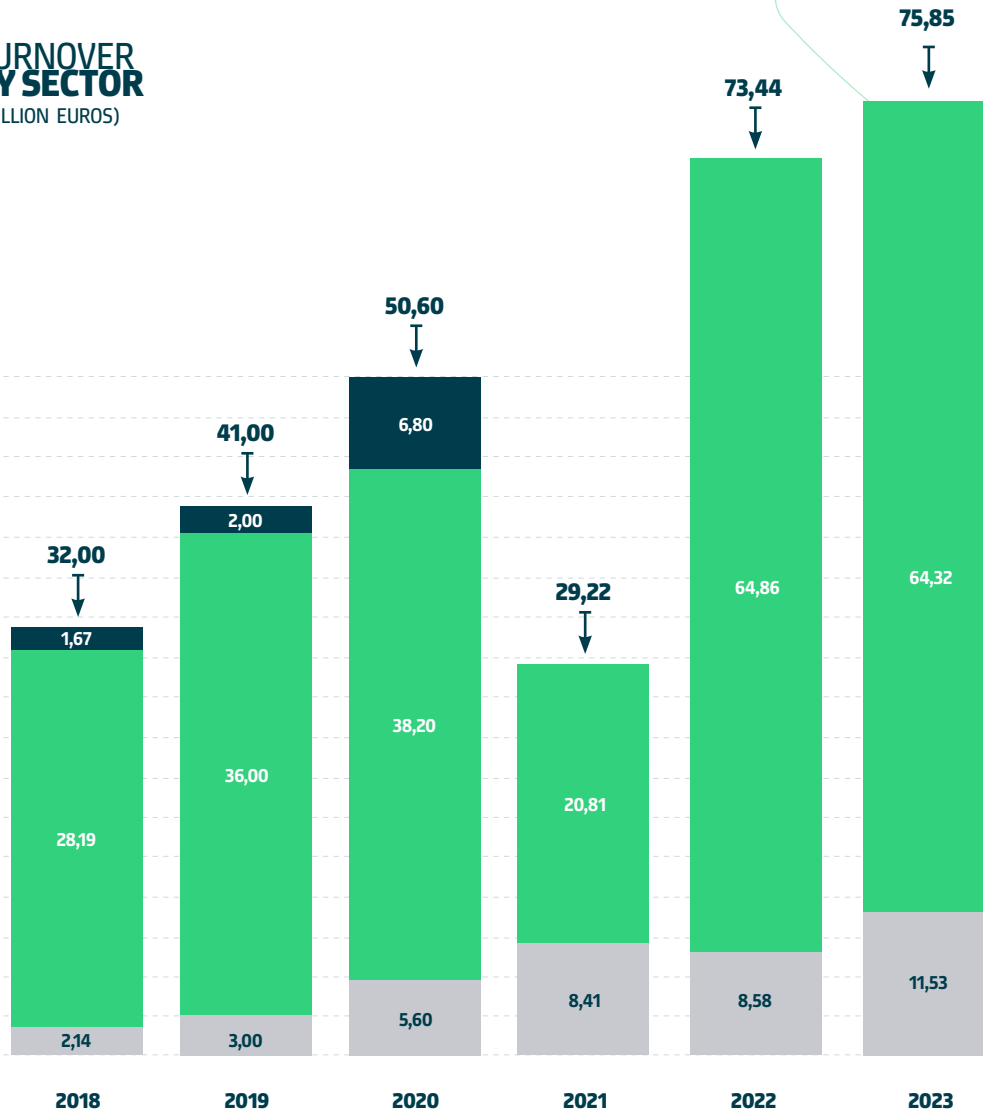
29,22M EUR

239

CHILE, COLOMBIA, JAPAN,  
HONDURAS AND PANAMA

# MAIN FIGURES

**TURNOVER BY SECTOR**  
(MILLION EUROS)



● INSTALLATIONS    ● RENEWABLE ENERGIES    ● INDUSTRY



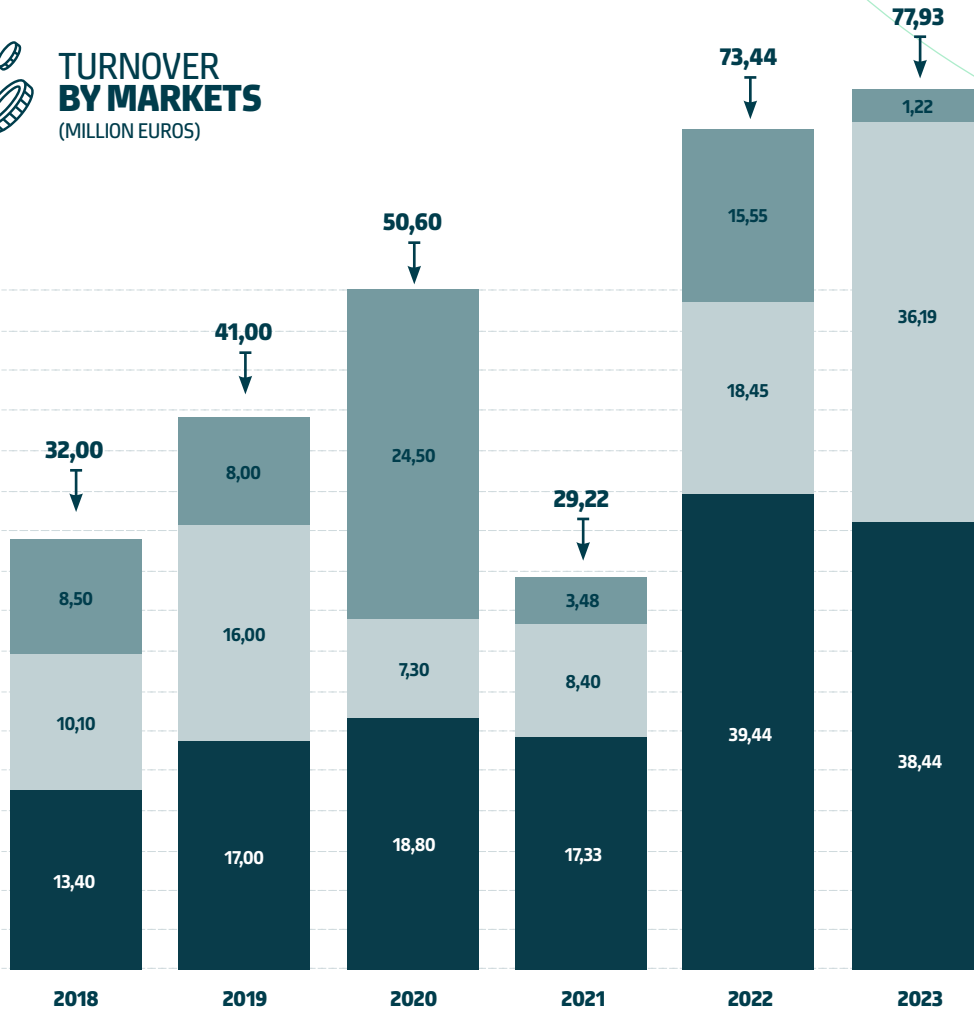
# MAIN FIGURES

The figures by markets show Negratín's adaptation capacity to attract and execute projects all over the world.

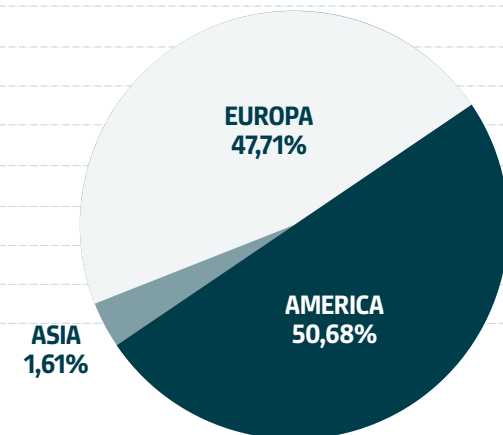
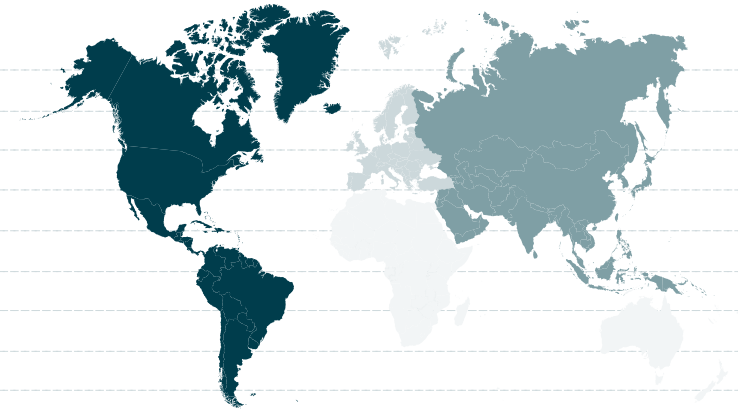
**PROJECTS ALL OVER THE WORLD,  
REACHING MORE THAN 82% OF  
2022 TURNOVER OUTSIDE SPAIN**



**TURNOVER  
BY MARKETS**  
(MILLION EUROS)



**TURNOVER  
BY MARKETS**

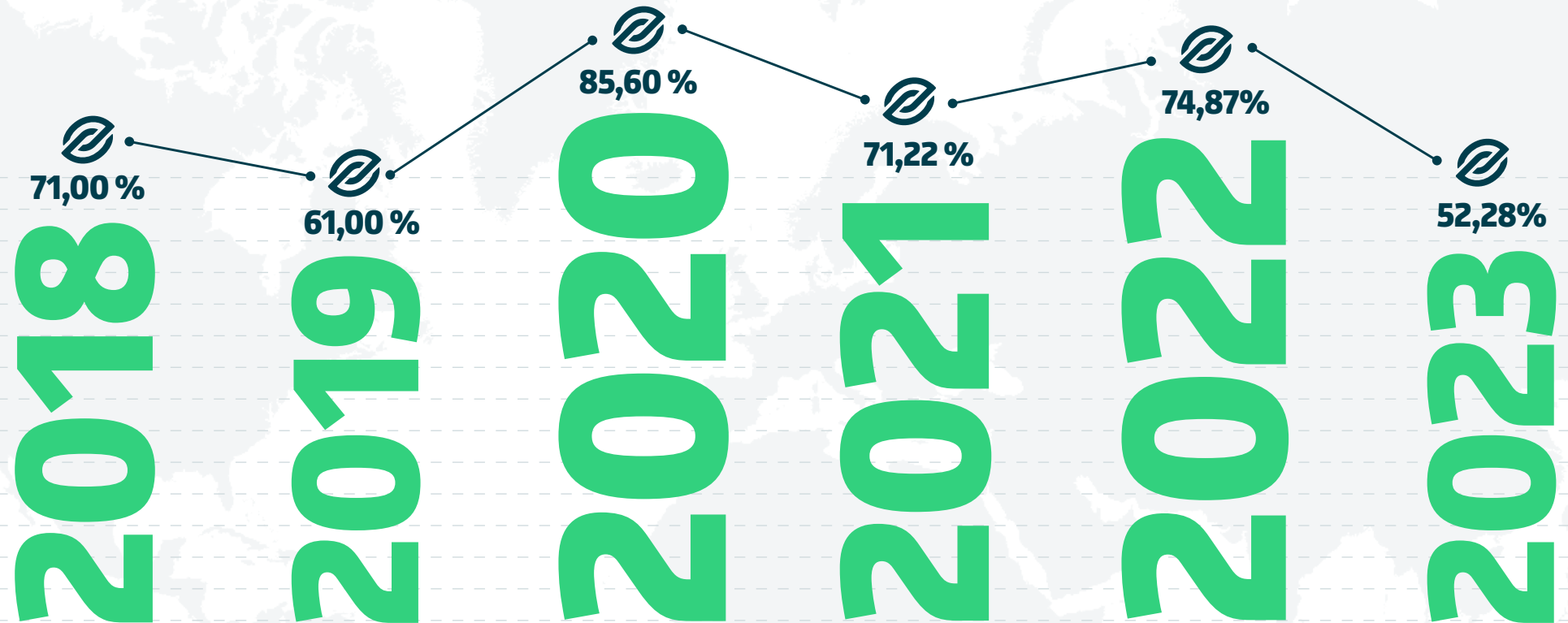


● AMERICA ● EUROPA ● ASIA



# INTERNATIONAL DIMENSION

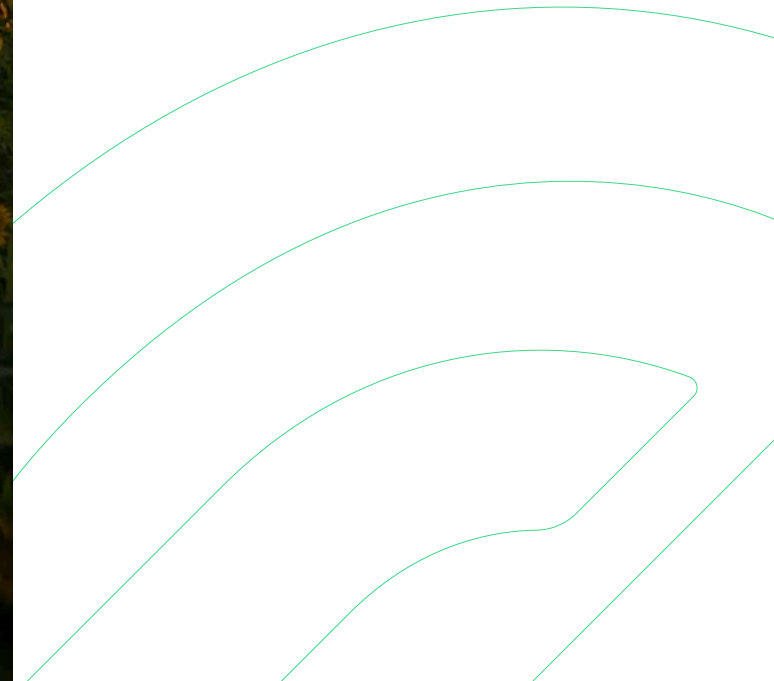
ADAPTABILITY DEFINES US, IT IS THE DRIVING FORCE BEHIND OUR INTERNATIONALIZATION.





OUR COMPANY

# KNOW OUR BUSINESS





# BUSINESS LINES

3 SECTORS  
6 BUSINESS LINES A  
FORMULA FOR SUCCESS



## TURNKEY PROJECTS

EPC Project Execution (Engineering +Procurement +Construction + T&D) of power plants and industry.



## OPERATION & MAINTENANCE

Operation and maintenance services for power plants and industry.



## CONSTRUCTION & ASSEMBLY

**RE:** Electrical and mechanical assemblies and civil works in EERR (Structure, Tracker and modules). MV/LV installations.

**INDUSTRY:** Assembly, installation and commissioning of Industrial Plants.

**INSTALLATIONS:** Assembly of electrical systems, sanitation, air conditioning, energy efficiency, communications and fire protection.



## INTEGRATED SOLUTIONS

Plug&Play solution based on the integration of electrical/electronic equipment in containers and skids.



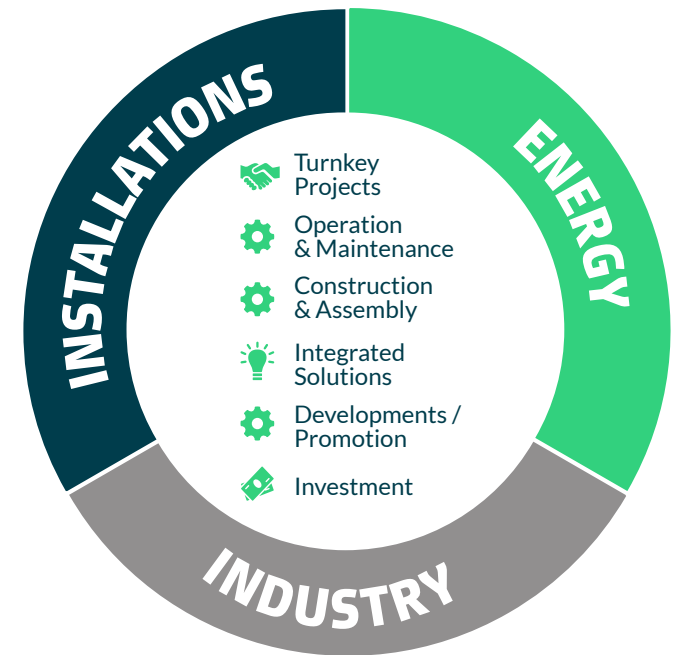
## DEVELOPMENTS / PROMOTION

Developments from Greenfield as an engine of growth.



## INVESTMENT

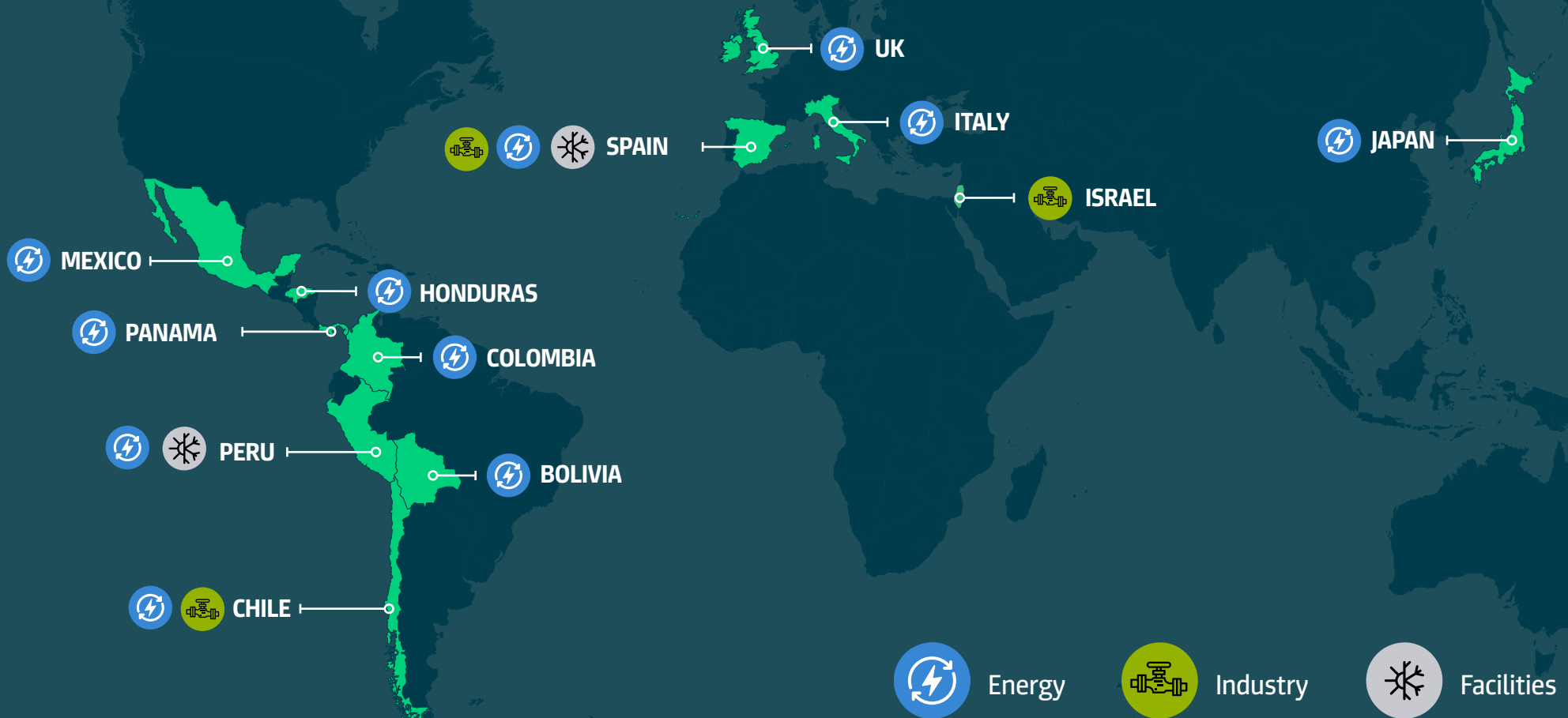
Investor and asset manager to maximise shareholder value.





## PROJECTS COVERING ALL RELEVANT MARKETS

Negratín has an active presence in key markets such as EU, AMERICA, ASIA. Its ability to adapt its solutions to new requirements and markets allows it to obtain a wide range of projects around the world.





# ENERGY

## Promotion/development

HIGH VALUE-ADDED  
SERVICES

Negratín uses its extensive experience in the design and execution of photovoltaic projects to develop projects from the early stages (Greenfield) to construction (Ready to Build).

Among the capabilities of its team are:

- Identification of land and grid connection points
- Feasibility studies (solar resource, connection, environmental and urban planning)
- Preliminary technical studies (geotechnical, hydrological, topographical, POT)
- Plant engineering and grid connection
- Management of permits and authorisations

Negratín is currently developing a portfolio of projects in different technologies totalling approximately 0.5GW in over 30 national and international projects.







# ENERGY EPC projects

Negratín has accumulated vast experience in the design, construction, **commissioning and operation of electricity generation plants from renewable sources and associated evacuation infrastructures**. We offer **flexible and customised solutions**, thanks to the possibility of carrying out all the phases of the projects **with our own resources**, meeting the specific technical, deadline and quality requirements of our clients. Both for Utility plants and Industrial Self-consumption solutions.



COMMITTED TO ENERGY  
TRANSITION



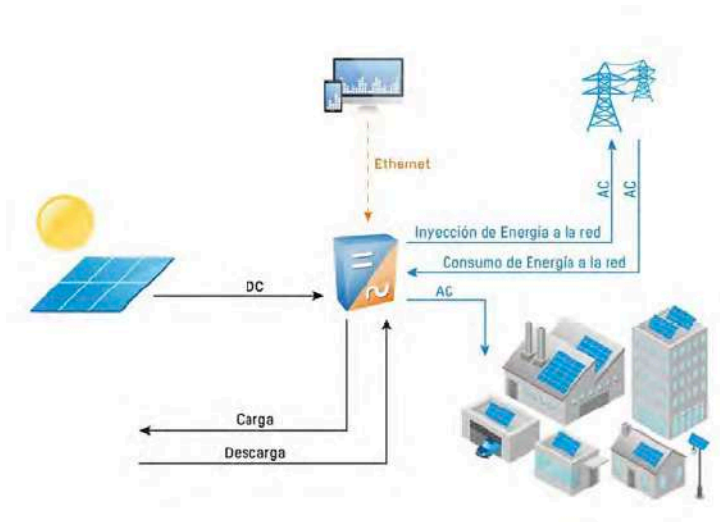


# ENERGY

## Industrial self-consumption

Negrátin provides integral services of Industrial Selfconsumption, considering:

- Analysis of the plant's **load curves** as a form of production and the available generation resource.
- **Economic-financial analysis** of the required solution.
- **Design and optimisation** of the self-generation plant.
- Hybridisation of self-generation with battery storage to optimise customer savings.
- **Management of permits**; connection, construction, other infrastructure, etc.
- **Turnkey execution**, pem, O&M.





# INSTALLATIONS

Negratín specialises in the execution of integral installation projects, covering all disciplines:

- CGT: Centralised Control and Management. BMS Systems
- Air conditioning and ventilation
- Electricity (Low and Medium Voltage) and Lighting
- Voice and Data. Structured Cabling.
- Fire Protection (FP)
- Security (CCTV)
- Water (plumbing and drainage)
- Steam generation and transport

Negratín provides comprehensive solutions for:

- Energy Efficiency
- Uninterrupted Power Supply Systems
- Photovoltaic Solar Installation
- Charging points for electric vehicles
- Automation and Control



GO TO PROJECT MAP

COMPREHENSIVE SOLUTIONS FOR  
INTEGRATED PROJECTS





# ENERGY AND INSTALLATIONS

## Industrial projects



GO TO PROJECT MAP

INTEGRAL ASSEMBLIES OF  
HIGH TECHNOLOGICAL VALUE

Execution of integral assemblies in industrial plants:

- Electrical assemblies (LV and MV)
- Instrumentation and control assemblies
- Fire protection
- Mechanical assemblies: Structure and Piping





# INNOVATION AND NEW BUSINESS Power stations

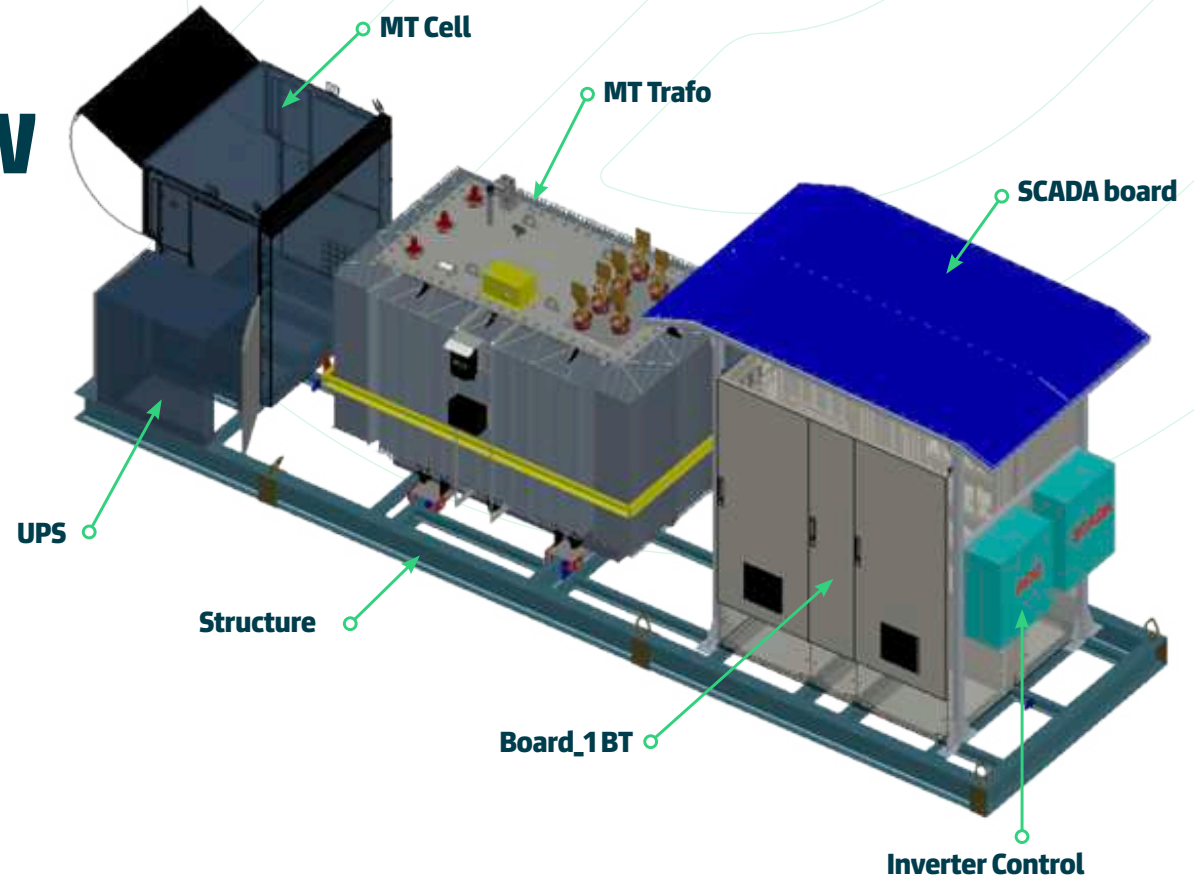
Negratín PowerSkid is born to optimise the execution of photovoltaic plants, totally **Innovative, Compact and Modular**.

This equipment, integrated on a skid, can be **transported** in standard sea containers and installed, **connected** and commissioned as a plug & play solution.

Negratín PowerSkid additionally allows output voltage to be boosted to **HV levels**, **simplifying the need for double voltage boosting**.

The increasing use of string inverters in the market creates the need to install a dedicated transformer substation.

Negratín PowerSkid covers a wide power range: **4-8 MVA**, and integrates monitoring and communication systems.





# INNOVATION AND NEW BUSINESS BESS Storage

Stand Alone, ~~Hybridisation~~ and Self-consumption

Optimal Design= Most Profitable Business Plan

Negratin designs the turnkey solution, **optimising** power and capacity according to grid conditions and/or through ~~hybridisation~~ with the available renewable resource, together with storage technology to maximise your revenues and **optimise your business model.**





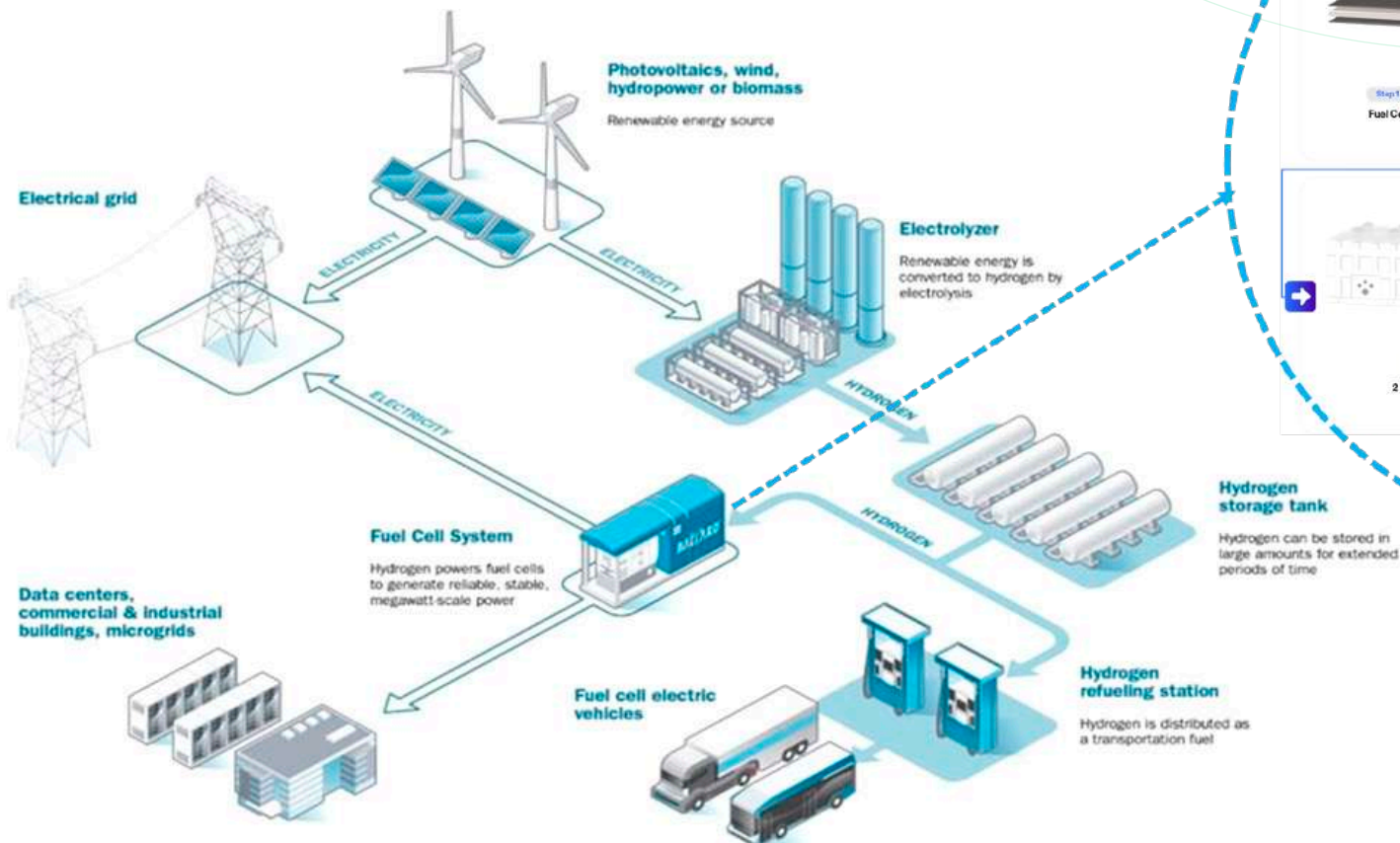
# INNOVATION AND NEW BUSINESS

## Decarbonization backup unit

INDUSTRIAL DECARBONIZATION

Long-term energy storage with **renewable hydrogen**.

Negrátin designs and integrates in turnkey solutions the complete or **partial cycle of renewable H2 technologies**: generation by electrolysis, storage and conversion into electrical energy by means of fuel cells, depending on your **needs of storage and speed of response** for your installations.





# INNOVATION AND NEW BUSINESS

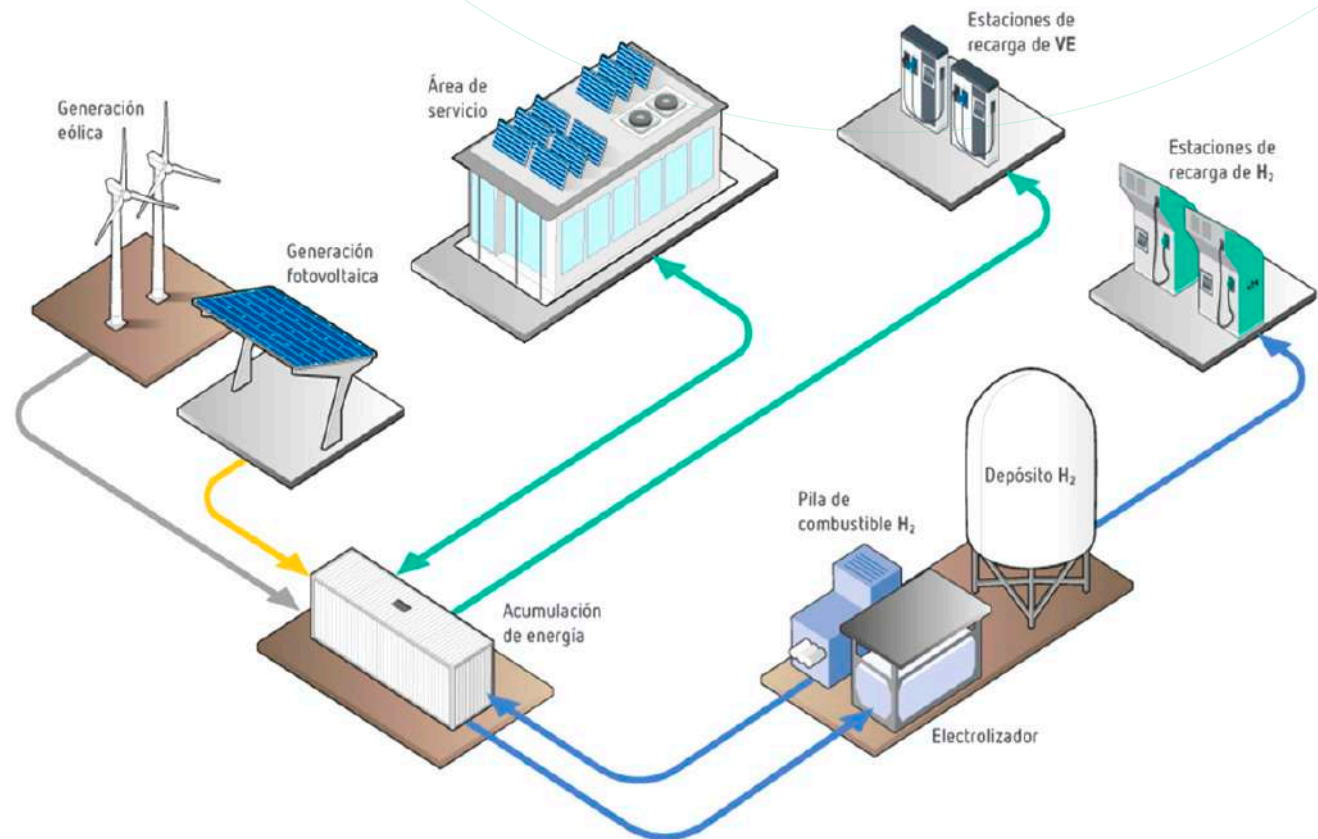
## Renewable and off-grid S.S.

TRANSPORT DECARBONIZATION

### Sustainable Mobility

- Integration of Negratin's capabilities throughout the value chain:
  - Promotion
  - Business Model
  - Modular Solutions
  - Installation and EPC
  - O&M
- Turnkey solutions combining different technologies according to needs:
  - PV self-consumption
  - Batteries
  - H2 electrolysis
  - H2 storage
  - Fuel cell

Objective: To optimise its business model, offering 100% sustainable, connected or off-grid solutions to cover even areas with weak or isolated grids.







# INNOVATION AND NEW BUSINESS

## Bioenergy

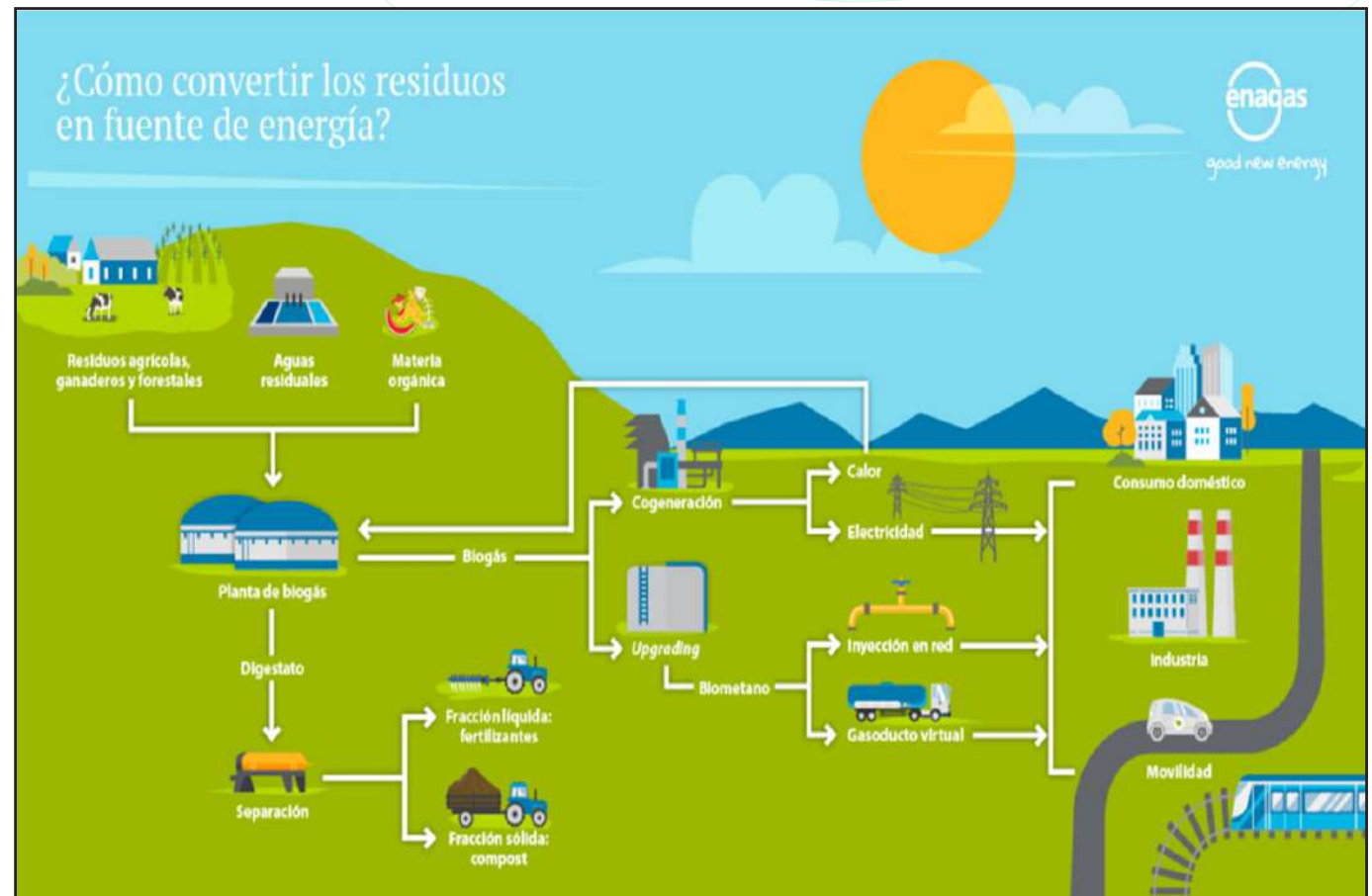
INDUSTRIAL DECARBONIZATION

Syngas, Biogas, Biomethane

Organic waste = Energy resource

Negrátin characterises its organic waste to analyse its potential as an energy resource, and **designs and builds its plant** according to its thermal and/or electrical demands, **optimising the investment and decarbonizing its process** to achieve its emission reduction objectives in a profitable way with a **reuse and circular economy model**.

Objective: To optimise its business model by achieving decarbonization targets, converting its waste in to its 100% sustainable energy resource.





# INNOVATION AND NEW BUSINESS

## Sustainability applied to scientific installations

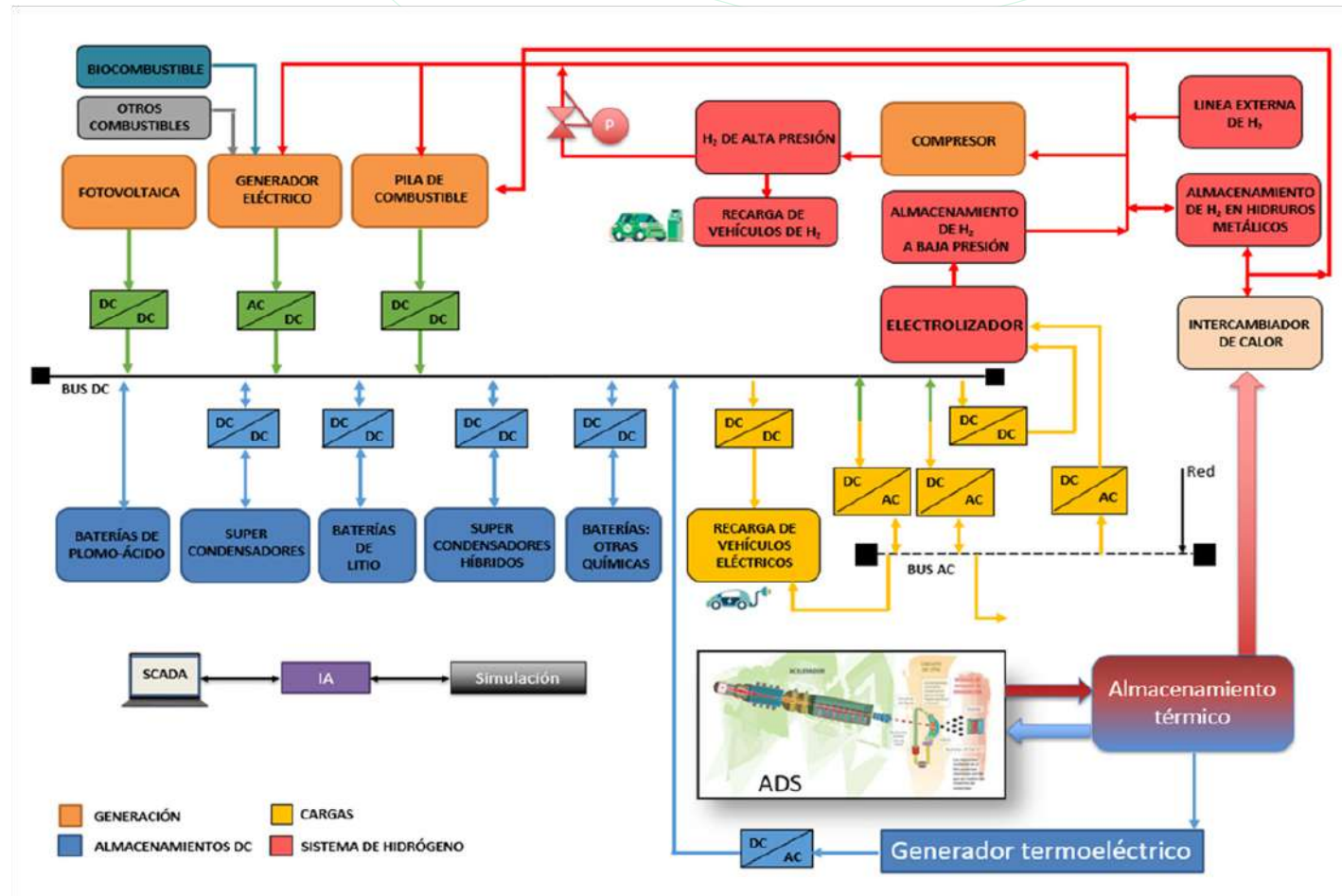
### Objetivos:

- Integration of renewables and storage to support Particle Accelerator operating conditions
- Combining different storage technologies:
  - Supercapacitors
  - BESS
  - H2
  - Fuel Cell
  - Thermal
- Integrated control for safe and optimal management of renewable generation (Auto-consumption) and storage systems



### HYDOR-DONES Project

Within the framework of the NEURON-DONES EXP- 00154095 / MIG-2022 1067 project. CDTI. Missions. 2022





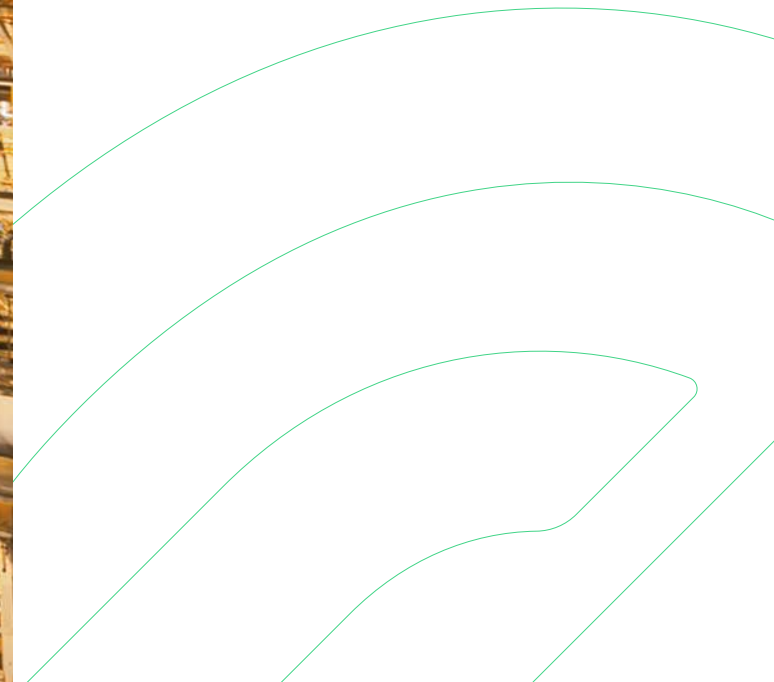
# NEGRATÍN

- Positioning throughout the value chain
- Proven knowledge and experience in renewable energies
- Strong and sustainable growth
- Geographical and technological diversification
- Internationalization
- Entrepreneurship, innovative culture and reliable strategy
- Developing new markets and business models
- Family-owned company with governing and management bodies made up of professionals with proven experience in the sector.

YOUR PARTNER FOR A  
SUSTAINABLE ENERGY FUTURE



# **MAIN REFERENCE PROJECTS**





# ENERGY

## Project details:

Name: Virgen del Rosario

Customer: KOBUS

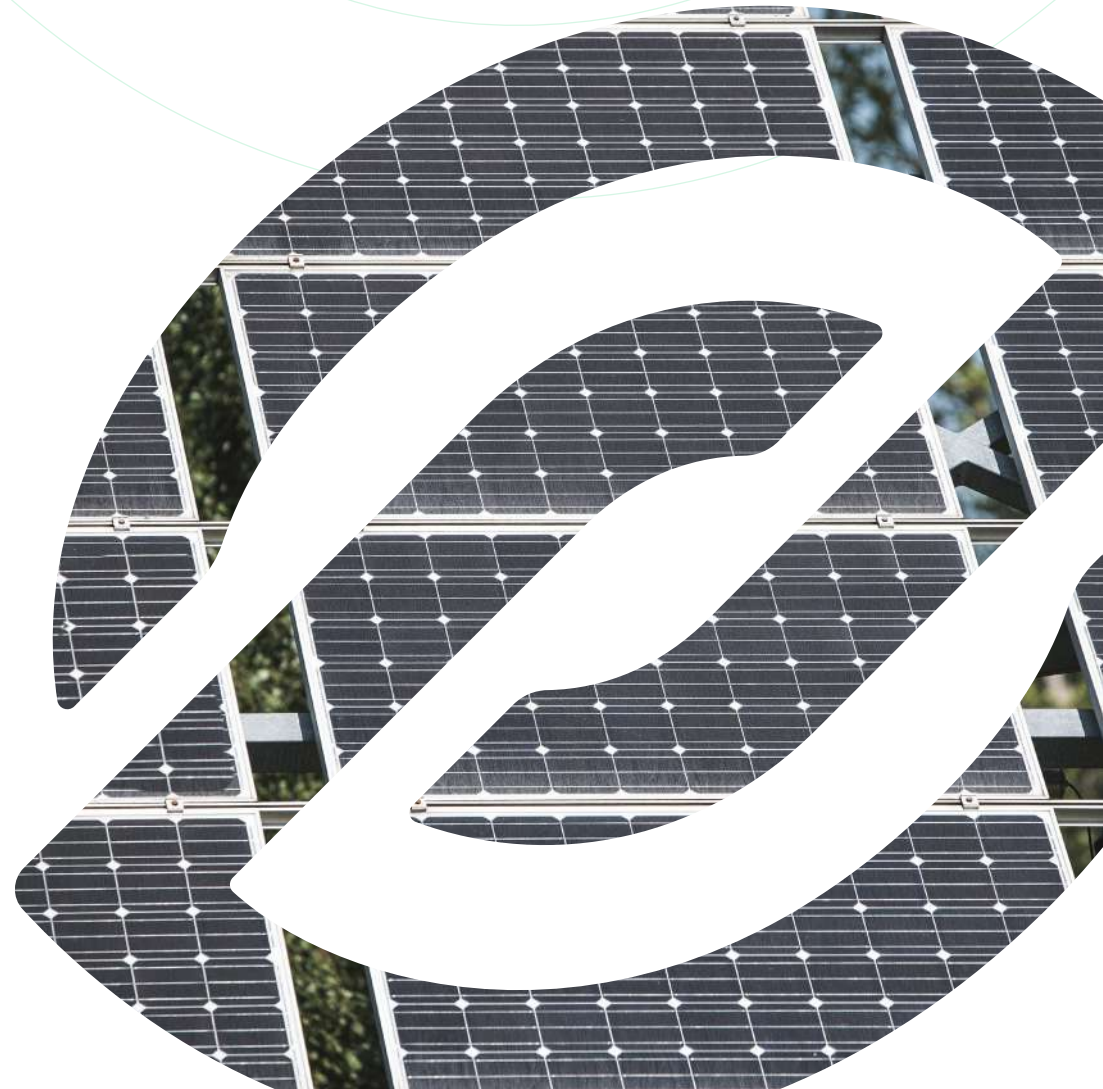
Location: Motril (Granada). Spain

Scope: EPC

Power: 29.98 MWp



COMMITTED TO BUILDING A  
BETTER FUTURE FULL OF ENERGY





# ENERGY

## Project details:

Name: El Cerro  
Client: Matrix.  
Location: Burguillos del Cerro,  
Badajoz (Spain).  
Scope: EPC+Evacuation  
Infrastructures  
Power: 46 MWp.



## Project details:

Name: Arco I.  
Client: XElio.  
Location: Malpartida de Cáceres, Cáceres (Spain).  
Scope: EPC+Evacuation Infrastructure  
Power: 47.5 MWp.



COMMITTED TO BUILDING A  
BETTER FUTURE FULL OF ENERGY





# ENERGY

## Project details:

Name: Mula.  
Client: COBRA INSTALLATIONS.  
Location: Mula, Murcia (Spain).  
Range: E-BOS.  
Power: 493.92 MWp

## Project details:

Name: Word and Splendour.  
Client: HANWHA Q-CELLS.  
Location: Escatrón, Zaragoza and Samper de Calanda, Teruel (Spain).  
Range: BOS.  
Power: 99.84 MWp



COMMITTED TO BUILDING A  
BETTER FUTURE FULL OF ENERGY





# ENERGY

## Project details:

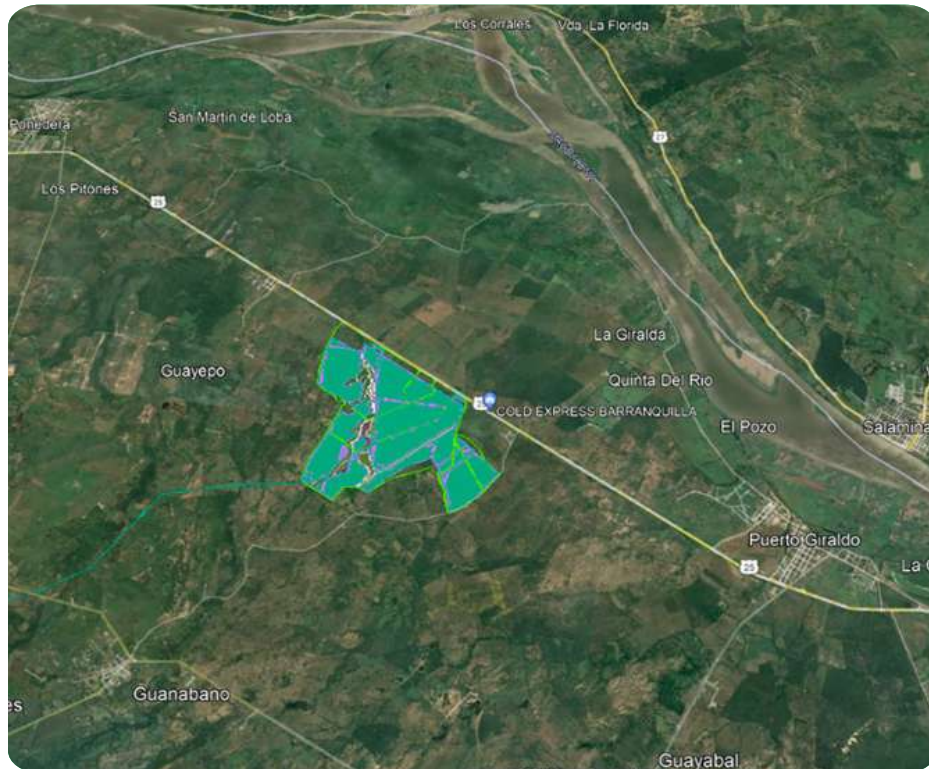
Name: Guayepo

Client: Enel Colombia

Location: Department of Atlántico.  
(Colombia).

Scope: BOS

Power: 187 MWp.



COMMITTED TO BUILDING A BETTER  
FUTURE FULL OF ENERGY







# ENERGY

## Project details:

Name: La Victoria Solar I and II.  
Client: Celsia.  
Location: Valle del Cauca,  
(Colombia).  
Scope: EPC  
Power: 53 MWp.

## Project details:

Name: Bosques Solares Bolivar.  
Client: Isagen  
Location: Atlántico Department.  
Sabanalarga (Colombia).  
Range: EPC+TL+SS  
Power: 125,4 MWp



COMMITTED TO BUILDING A BETTER  
FUTURE FULL OF ENERGY





# ENERGY

## Project details:

Name: ZAO  
Client: VENA  
Location: Miyagi (Japan)  
Scope: E-BOS  
Power: 57 MWp.

## Project details:

Name: Maibara  
Client: VENA  
Location: Shiga (Japan)  
Scope: E-BOS  
Power: 32 MWp.



COMMITTED TO BUILDING A BETTER  
FUTURE FULL OF ENERGY





# ENERGY

## Project details:

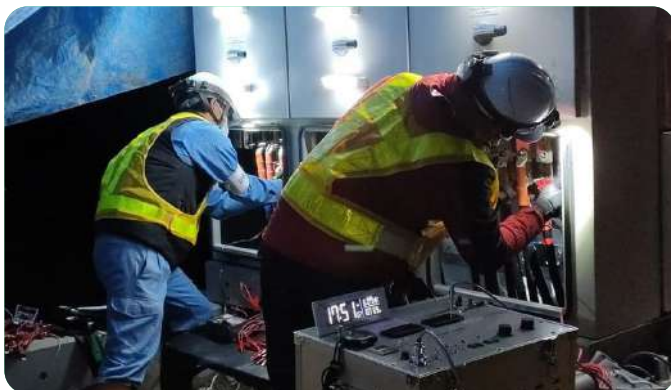
Name: Kisarazu.

Client: Vena.

Location: Chiba (Japan).

Scope: E-BOS.

Power: 25.64 MWp.



COMMITTED TO BUILDING A BETTER  
FUTURE FULL OF ENERGY





# ENERGY

## Project details:

Name: Azuma Kofuji Solar Plant.  
Client: Juwi Shinzen Energy K.K.  
Location: Azuma (Japan).  
Scope: E-BOS  
Power: 21,7 MWp

## Project details:

Name: Kasama Solar Plant.  
Client: Vena Energy.  
Location: Kasama (Japan).  
Scope: E-BOS  
Power: 53 MWp



COMMITTED TO BUILDING A BETTER  
FUTURE FULL OF ENERGY





# ENERGY

## Project details:

Name: Hiroshima.  
Client: Saferay.  
Location: Hiroshima (Japan).  
Scope: E-BOS & M-BOS Assembly  
Power: 50,85 MWp

## Project details:

Name: Wakuya.  
Client: Vena Energy.  
Location: Miyagi (Japan).  
Scope: E-BOS.  
Power: 25,65 MWp



COMMITTED TO BUILDING A BETTER  
FUTURE FULL OF ENERGY





# ENERGY

## Project details:

Name: S13.  
Client: Maetel.  
Location: Shirakawa (Japan).  
Scope: E-BOS.  
Power: 33,4 MWp

## Project details:

Name: Cherry Lake.  
Client: Maetel.  
Location: Nakanawa, Mie (Japan).  
Scope: E-BOS.  
Power: 98,1 MWp



COMMITTED TO BUILDING A BETTER  
FUTURE FULL OF ENERGY





# ENERGY

## Project details:

Name: Valle del Sol.  
Client: Enel Green Power.  
Location: María Elena, Calama (Chile).  
Scope: BOS.  
Power: 162,80 MWp.

## Project details:

Name: PV El Manzano Solar.  
Client: Enel Green Power.  
Location: Til-Til, Región Metropolitana (Chile).  
Scope: BOS.  
Power: 101,25 MWp.



COMMITTED TO BUILDING A BETTER  
FUTURE FULL OF ENERGY





# ENERGY

## Project details:

Name: El Romero.

Location: Comuna de Vallenar, Región de Atacama (Chile).

Scope of electric installation: E-BOS (LV Assembly).

Civil scope: Execution of trenches in prototypes of the Project.

Power: 123 MWp.



COMMITTED TO BUILDING A BETTER  
FUTURE FULL OF ENERGY







# ENERGY. HYBRIDIZATION

## Project details:

Name: Prudencia.

Client: Celsia.

Location: Chiriquí (Panama).

Scope: EPC.

Power: 11.89MWp

The Prudencia photovoltaic EPC project is a successful case of hybridization of hydroelectric and photovoltaic technologies.

Negratín designed the hybridization of an existing 60 MW hydroelectric asset (brownfield) with a new 12 MW photovoltaic plant (greenfield) and a specific EMS (Energy Management System) to manage the joint generation of both technologies.



COMMITTED TO BUILDING A BETTER  
FUTURE FULL OF ENERGY





# ENERGY

## Project details:

Name: PSFV Comayagua.

Client: Celsia.

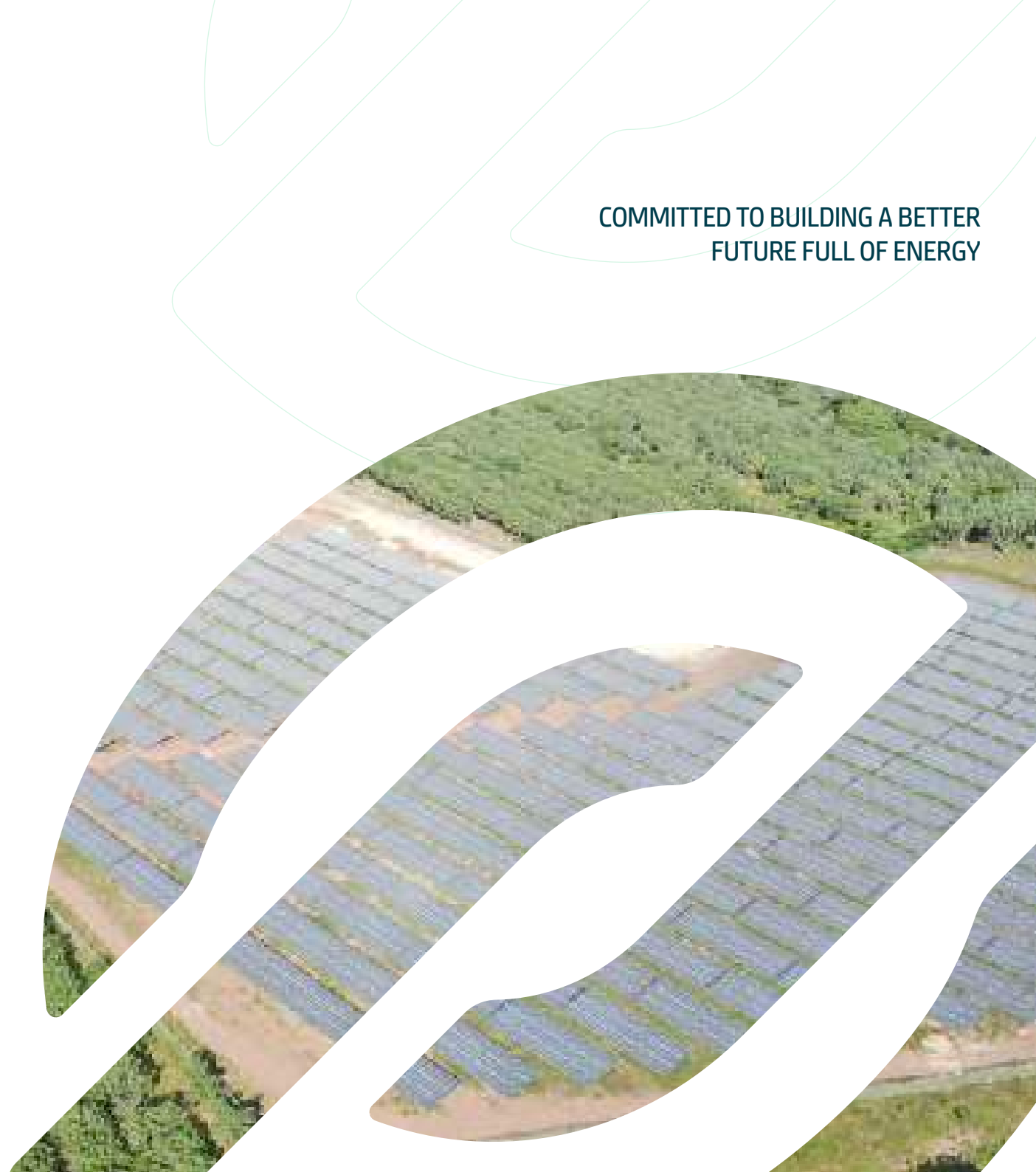
Location: Comayagua (Honduras).

Scope: EPC.

Power: 10,90 MWp.



COMMITTED TO BUILDING A BETTER  
FUTURE FULL OF ENERGY





# ENERGY

## Project details:

Name: Cañada Honda.

Client: Next Energy.

Location: Aguascalientes (México).

Scope: BOS+ Negratin Power Skid Supply.

Power: 23.22 MWp



COMMITTED TO BUILDING A BETTER  
FUTURE FULL OF ENERGY





# ENERGY

## Project details:

Name: Orejana.  
Client: Avanzia Instalaciones.  
Location: Hermosillo, Sonora (México).  
Scope: 100% E-BOS. 50% M-BOS Assembly.  
Power: 160 MWp.



## Project details:

Name: Santa María.  
Client: Avanzia Instalaciones.  
Location: Nuevo Casas Grandes, Chihuahua (México).  
Scope: 100% E-BOS. 50% M-BOS Assembly.  
Power: 180 MWp.



COMMITTED TO BUILDING A BETTER  
FUTURE FULL OF ENERGY





# ENERGY

## Project details:

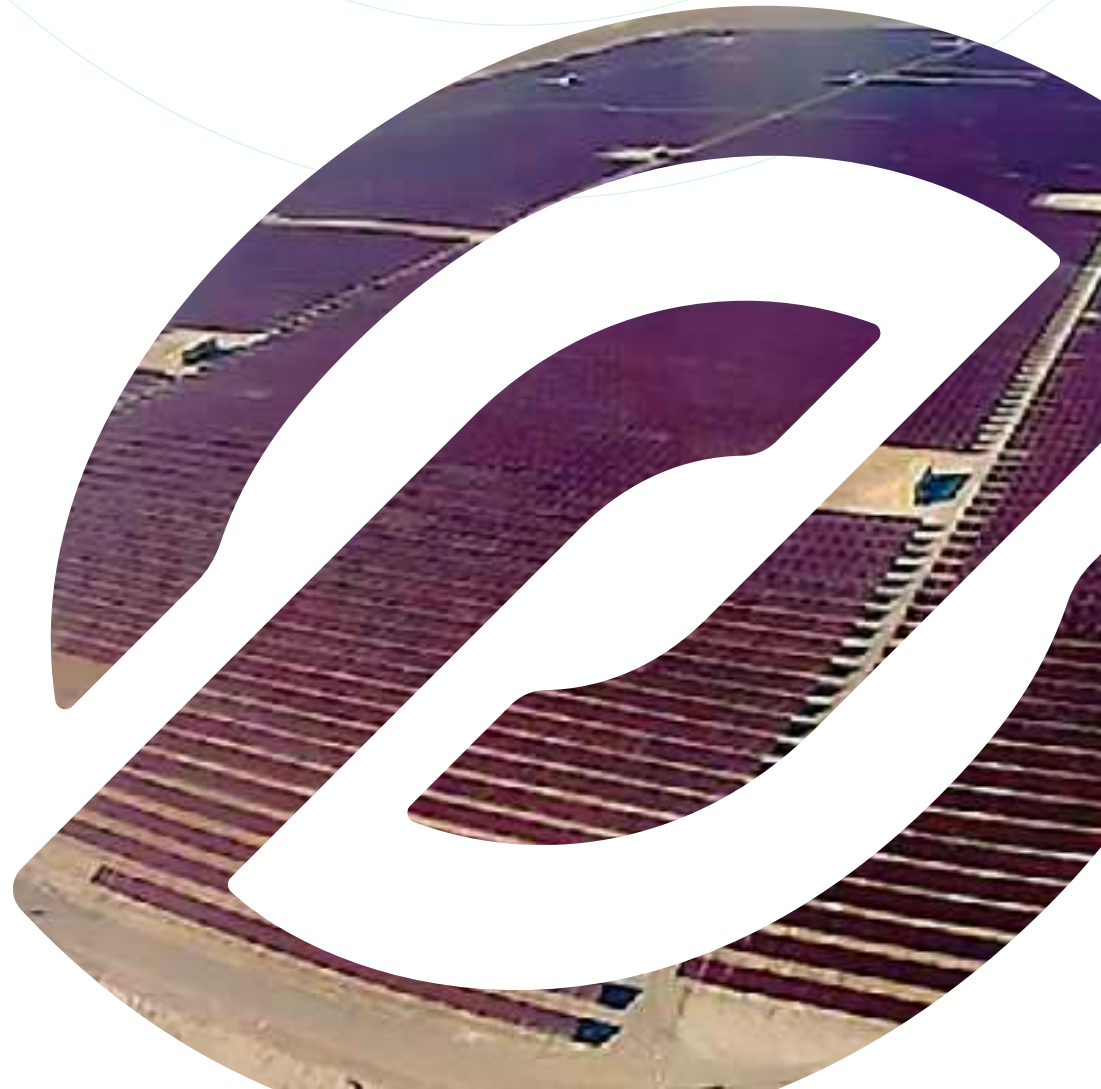
Name: Wick Farm. Client: Gamma Solutions.  
Location: Lymsham Weston-super-Mare (UK).  
Scope: BOS.  
Power: 15 MWp

## Project details:

Name: Majes y Repartición. Client: Isolux Corsán.  
Location: Arequipa (Peru).  
Scope: E-BOS.  
Power: 44 MWp

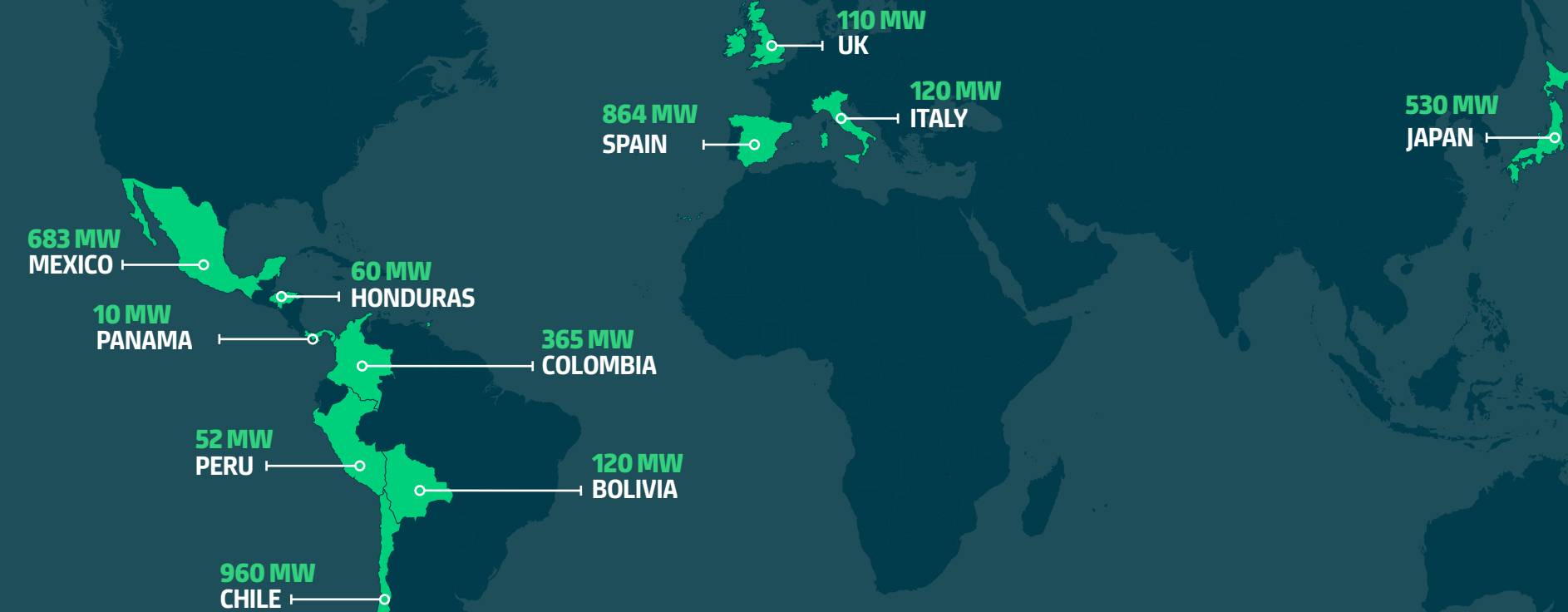


COMMITTED TO BUILDING A BETTER  
FUTURE FULL OF ENERGY





# RENEWABLE ENERGIES



**3874 MW**  
INSTALLED  
IN RE  
PLANTS.

Negratín has an active presence on key markets such as EU, AMERICA, ASIA. Their ability to adapt their solutions to new requirements and markets allows it to obtain a wide range of projects around the world.



# INDUSTRIAL SELF-CONSUMPTION

## Project details:

Name: Sulquisa

Client: Sulquisa- Grupo Minersa

Location: Community of Madrid (Spain)

Scope: EPC

Power: 10.65 MWp

Integral solution for industrial self-consumption, consumption curve analysis, design of a solution based on redundancies, increasing the robustness and reliability of the supply, adapting to high customer standards.

Specific design of Negratin Power Skid for string inverter, for straight lift at high voltage, avoiding the double step from medium to high voltage, which increases efficiency and reduces the possibility of failures.

Implementation of an EMS (Energy Management System) with a predictive consumption algorithm, taking into account the production process in the various time slots, which allows the optimisation of generation, adapting it to this consumption.



COMPREHENSIVE SOLUTIONS  
FOR INTEGRATED PROJECTS





# NEGRATIN POWERSKID INTEGRATED SOLUTIONS

## Project details:

Name: Cañada Honda.  
Client: Next Energy.  
Location: Aguascalientes (Mexico).  
Scope: BOS + Power Stations Supply.  
Power: 23.22 MWp.

## Project details:

Name: Sulquisa  
Client: Sulquisa- Grupo Minersa  
Location: Community of Madrid (Spain)  
Scope: EPC  
Power: 10.65 MWp.



## Project details:

Name: Prudencia.  
Client: Celsia.  
Location: Chiriquí (Panama).  
Scope: EPC.  
Power: 11.89 MWp.

## Project details:

Name: La Victoria Solar I and II.  
Client: Celsia.  
Location: Valle del Cauca, Colombia.  
Scope: EPC  
Power: 53 MWp.



COMPREHENSIVE SOLUTIONS FOR  
INTEGRATED PROJECTS







# INSTALLATIONS

## Project details:

Name: Rome Building.  
Client: Construcciones Rodríguez  
Location: Almería (Spain).  
Scope: Mechanical Installations.

## Project details:

Name: BSL3 Animal Biosafety Laboratory  
Client: Tragsa.  
Location: Granada (Spain).  
Scope: Mechanical Installations. LV  
Electricity + Special Installations

COMPREHENSIVE SOLUTIONS FOR  
INTEGRATED PROJECTS





# INSTALLATIONS

## Project details:

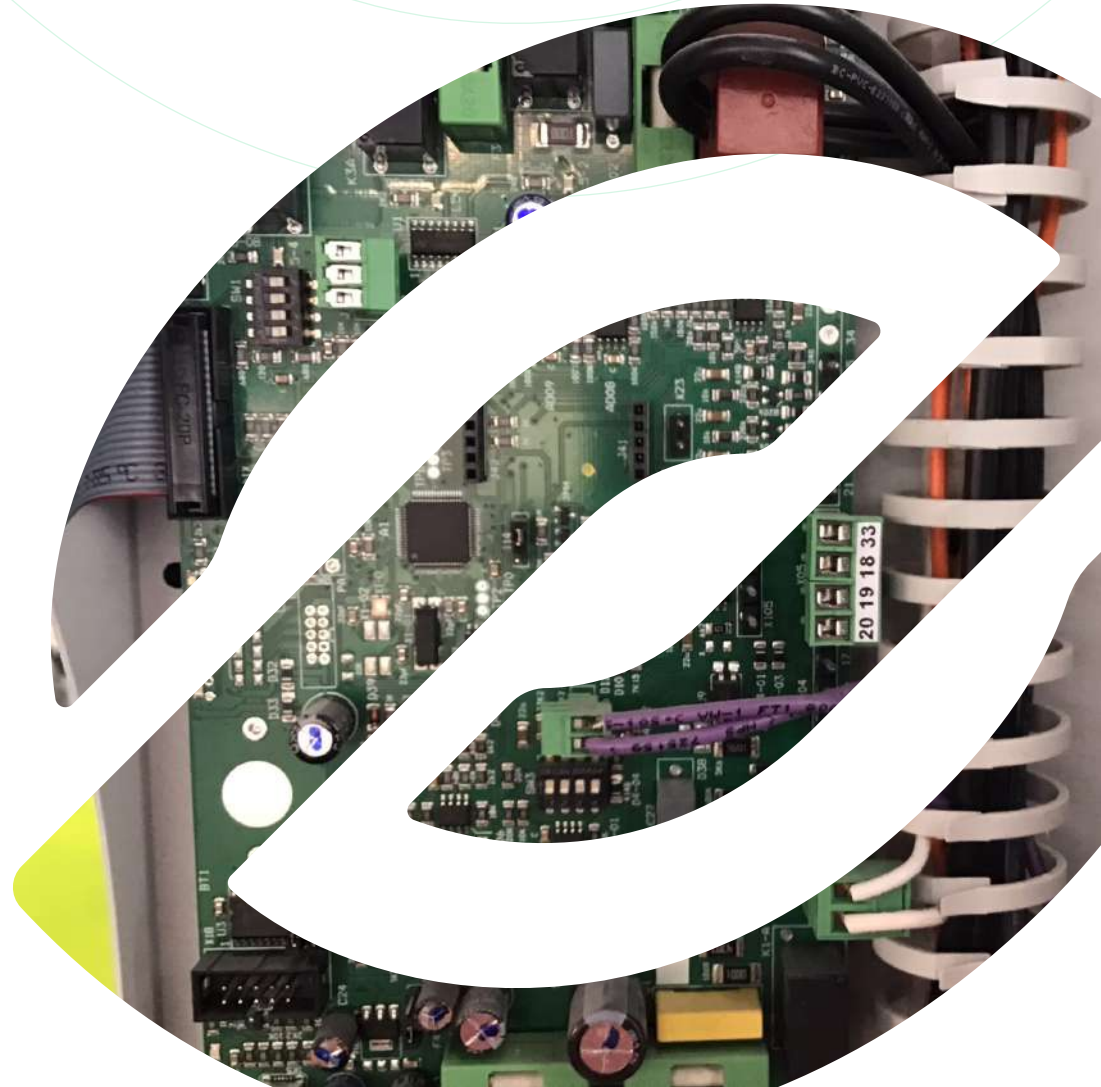
Name: Galileo Building.  
Client: Junta de Castilla y León.  
Location: Valladolid (Spain).  
Scope: Mechanical Installations.

## Project details:

Name: "Las Tablas" Health Centre  
Client: Tragsa.  
Location: Madrid (Spain).  
Scope: Mechanical Installations.



COMPREHENSIVE SOLUTIONS FOR  
INTEGRATED PROJECTS





# INSTALLATIONS

## Project details:

Name: UNED

Client: Tragsa Group

Location: Av. de Esparta, 28290 Las Rozas de Madrid, (Spain)

Scope: Plumbing Air conditioning:

- Fan convectors
- Ventilation
- UTAs
- Ventilation and air-conditioning specific areas: laboratories



COMPREHENSIVE SOLUTIONS FOR  
INTEGRATED PROJECTS





# INSTALLATIONS

## Project details:

Name: CIO MIJAS

Client: Consejería de Empleo, Formación y Trabajo Autónomo Servicio Andaluz de Empleo (Andalusian Employment Service)

Location: Av. Abogados de Oficio, 4, 29649 La Cala de Mijas, Malaga, (Spain)

Scope:

- Complete renovation of the ventilation and air-conditioning system from the supply and installation of AHUs, rooftops, heat recovery units and VRV system.
- Implementation of a new centralised control system, integrating the new equipment and part of the existing installation.



COMPREHENSIVE SOLUTIONS FOR  
INTEGRATED PROJECTS





# INSTALLATIONS

## Project details:

Name: PALACE OF THE EAGLES - MUSEUM

Client: Tragsa Group

Location: C. de López Núñez, 1, 05001 Ávila (Spain)

Scope:

- Complete renovation of the ventilation and air-conditioning system from the supply and installation of AHUs, heat pumps and fan coils.
- Implementation of a new centralised control system, into which the new equipment is integrated.
- Execution of a complete PCI detection and extinguishing system, highlighting its fogging system.
- Low- and medium-voltage electricity, including work on the transformer room, lighting in the palace and exhibition halls, etc.
- Implementation of the telecommunications system.



COMPREHENSIVE SOLUTIONS FOR  
INTEGRATED PROJECTS





# INSTALLATIONS

## Project details:

Name: Hotel Mirador de Loja.

Client: Abades.

Location: Loja. Granada (Spain).

Scope:

Supply and installation of all mechanical and firefighting installations for a hotel of 60 rooms: DHW by means of aerothermal heating, air conditioning with chillers, sanitation, ventilation w/ recovery, PCI, including the complete installation of SPA and Gymnasium.



## Project details:

Name: Ministry of Foreign Affairs Building.

Client: TRAGSA.

Location: Madrid (Spain).

Scope:

Supply and complete thermal installation of machine room and hydraulic connection of AHU's, including all the primary piping network in steel and PPR.

COMPREHENSIVE SOLUTIONS FOR  
INTEGRATED PROJECTS





# INSTALLATIONS

## Project details:

Name: Melilla Hospital.

Client: TRAGSA.

Location: Melilla (Spain).

## Scope:

Integral execution of the facilities of the New Melilla Hospital, with more than two hundred double rooms, as well as its critical and subcritical areas: infectious wards, ICU, operating theatres, laboratories, dialysis, sterilisation, UTPR, neonates, technical rooms for the production of cold, heat, water room, etc. LV and MV electrical installation, complete air conditioning and domestic hot water, steam generation, self-consumption photovoltaic installation, plumbing and grey water treatment and supply of fire-fighting equipment.



COMPREHENSIVE SOLUTIONS FOR  
INTEGRATED PROJECTS





# INSTALLATIONS

## Project details:

Name: Cádiz Police Station.

Client: GIESE.

Location: Cádiz (Spain).

Scope:

Comprehensive refurbishment of the installations (air conditioning, electricity, telecommunications, lighting and fire prevention) of the Cadiz Police Station.



## Project details:

Name: Almería Police Station.

Client: Architecture Department of the National Police Force.

Location: Almería (Spain).

Scope:

Reform of the installations (air conditioning, air renewal and electricity) of the Cádiz police station.



COMPREHENSIVE SOLUTIONS FOR  
INTEGRATED PROJECTS







# INDUSTRY

## Project details:

Name: Cerro del Águila Hydroelectric Power Plant 504 Mw on the Mantaro River.

Client: Andritz Hydro SA.

Location: District of Surcobamba and Colcabamba, Huancavelica (Peru)

Scope:

IGIS installation of:

10 transformers 220 kV and Pot Head Yard 220 kV. 4-bay central control panel in tunnel. Main/Dam Control Building. HV/MV System.



## Project details:

Name: Substation Parque Eólico de Tres Hermanas.

Client: Cobra Infraestructuras Internacional S.A. and Energía y Recursos Ambientales Internacional S.L.

Temporary Union of Companies Tres Hermanas.

Location: San Juan de Marcona, Nazca (Peru)

Scope:

Erection of metal structure, fittings, insulators, small HV/MV connection material and switchgear. Erection of 220 kV system power transformer and 34.5 kV cubicles. Commissioning and energisation.



COMPREHENSIVE SOLUTIONS FOR  
INTEGRATED PROJECTS





# INDUSTRY

## Project details:

Name: Piping biodiesel plant conversion to hydrocarbon storage plant

Client: DBA

Location: Bilbao (Spain)

Scope: Piping

COMPREHENSIVE SOLUTIONS FOR  
INTEGRATED PROJECTS





# INDUSTRY

## Project details:

Name: Cerro Dominador Solar Thermal Power Plant (CSP).

Client: Constructor Atacama CSP Chile, SpA (UTE Acciona-Abengoa).

Location: Municipality of Maria Elena, Antofagasta (Chile).

Scope: Electrical and Instrumentation Assemblies in

Tower, Power Island and Solar Field.

Power: 110 MW.



COMPREHENSIVE SOLUTIONS FOR  
INTEGRATED PROJECTS





# R&D&I | Hydor Project



SOLUTIONS FOR SUSTAINABLE ENERGY AUTONOMY  
(FUSION, HYDROGEN AND RENEWABLES)

In the framework of the NEURON-DONES  
project EXP-00154095 / MIG-2022 1067



*The neuron-dones project has been funded by the centre for the development of industrial technology (cdti), through the call for proposals of the science and innovation missions programme for the year 2022.*

- Development and integration of sustainable technologies by replacing the conventional UPS with a VPP-MCES with energy vectors and H<sub>2</sub>, thermal and electrical storage.
- New control technologies for the safe and optimal management of renewable energy generation and storage systems at the IFMIF-DONES particle accelerator, Granada (Spain).





# R&D&I | Hydor Project



SOLUTIONS FOR SUSTAINABLE ENERGY AUTONOMY  
(FUSION, HYDROGEN AND RENEWABLES)

Hybrid energy storage solution developed by Negratín that combines different technologies: Batteries, Hydrogen, Supercapacitors and Thermal, in order to reach optimum efficiency according to the customer's needs.

- **PV generation:** High-performance bifacial modules, solar trackers, string/central inverters.
- **BESS storage:** Battery storage with different technologies and charging systems.
- **H2 generation:** Using more efficient technologies as appropriate (Alkaline / PEM / AEM / SOE).
- **H2 storage:** H2 storage systems, in different types, as well as different pressures (200 - 900 bar), all depending on the kg needed for power generation.
- **AFuel-Cell:** H2 to energy conversion optimised according to the thermal energy availability of the system.
- **Hybrid supercapacitors:** Study of technology with long lifetime (capacitor + battery), support of hybrid system.
- **Thermal storage:** Using a state-of-the-art molten salt system coupled to the lithium circuit to harness the thermal energy generated in its reaction with the deuterons.



# Certifications

**Bureau Veritas Certification**

**Certificación**  
Concedida a

**GRUPO NEGRATIN**

POL IND JUNCARIL CL CAPILEIRA, 14 - 18210 - PELIGROS - GRANADA - ESPAÑA

Bureau Veritas Certification certifica que el Sistema de Gestión ha sido auditado y encontrado conforme con los requisitos de la norma:

**NORMA**

**ISO 9001:2015**

El Sistema de Gestión se aplica a:

DISEÑO, SUMINISTRO, FABRICACIÓN, MONTAJE, MANTENIMIENTO INTEGRAL Y OPERACIÓN DE INSTALACIONES ELÉCTRICAS EN EDIFICIOS; INSTALACIONES DE TELECOMUNICACIONES; INSTALACIONES DE PISCINERÍA; INSTALACIONES DE AGUA CALIENTE SANITARIA; CALIBRACIÓN Y COMERCIALIZACIÓN; INSTALACIONES DE ENERGÍA SOLAR TÉRMICA; INSTALACIONES DE BOMBEO; DISEÑO, INSTALACIÓN Y MANTENIMIENTO DE: 1. SISTEMAS AUTOMÁTICOS DE DETECCIÓN DE INCENDIOS; 2. SISTEMAS MANUALES DE ALARMA DE INCENDIO; 3. SISTEMAS DE COMARCACIÓN DE ALARMA; 4. SISTEMAS DE ABASTECIMIENTO DE AGUA CONTRA INCENDIO; 5. SISTEMAS DE ARRANQUE EXTERNORES; 6. SISTEMAS DE BOMBEO DE AGUAS CLIMATIZADAS; 7. SISTEMAS DE FILTRADO DE AGUA; 8. SISTEMAS DE EXTRACCIÓN POR RECULADORES AUTOMÁTICOS DE AGUA; 9. SISTEMAS DE EXTRACCIÓN POR AGUA PURIFICADA; 10. SISTEMAS DE EXTRACCIÓN POR ENERGÍA FÍSICA DE BAJA ENTROPÍA; 11. SISTEMAS DE EXTRACCIÓN POR PULVERO; 12. SISTEMAS DE EXTRACCIÓN POR AEROSOL EXTERNOS GASEOSOS; DISEÑO, SUMINISTRO, FABRICACIÓN, MONTAJE, MANTENIMIENTO INTEGRAL Y OPERACIÓN DE PLANTAS FOTOVOLTAICAS; INSTALACIONES DE ENERGÍA SOLAR; BOMBEO ELÉCTRICO; AGUAS Y RESERVUARIOS DE AGUA; BARRILS; SISTEMAS DE TRANSFORMACIÓN; BOMBEO; SUMINISTRO; FABRICACIÓN, MONTAJE, MANTENIMIENTO INTEGRAL Y OPERACIÓN DE INSTALACIONES DE FANDEO; INSTALACIÓN DE CONTADORES; INSTALACIONES INSTRUMENTALES DE INSTRUMENTACIÓN Y CONTROL; REPARACIÓN DE TANQUES; MONTAJE DE TANQUES Y ACCESORIOS; MONTAJE DE EQUIPO DINAMICO Y MONTAJE DE EQUIPO ESTÁTICO; REPARACIÓN DE REACTORES FOTOVOLTAICOS.

Número del certificado: ES13679-1  
Aprobación original: 28-09-2017  
Auditoría de certificación/renovación: 09-08-2023  
Cadañidad de ciclo anterior: 27-09-2023  
Certificado en vigor: 28-09-2023  
Cadañidad del certificado: 27-09-2026

Este certificado está sujeto a los términos y condiciones generales y particulares de los servicios de certificación

Bureau Veritas Iberia S.L.  
C/ Valpértiso Primera 22-24, Edificio Caoba, 28108 Alcobendas - Madrid, España

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## ISO 9001:2015

**Bureau Veritas Certification**

**Certificación**  
Concedida a

**GRUPO NEGRATIN**

POL IND JUNCARIL CL CAPILEIRA, 14 - 18210 - PELIGROS - GRANADA - ESPAÑA

Bureau Veritas Certification certifica que el Sistema de Gestión ha sido auditado y encontrado conforme con los requisitos de la norma:

**NORMA**

**ISO 14001:2015**

El Sistema de Gestión se aplica a:

DISEÑO, SUMINISTRO, FABRICACIÓN, MONTAJE, MANTENIMIENTO INTEGRAL Y OPERACIÓN DE INSTALACIONES ELÉCTRICAS EN EDIFICIOS; INSTALACIONES DE TELECOMUNICACIONES; INSTALACIONES DE PISCINERÍA; INSTALACIONES DE AGUA CALIENTE SANITARIA; CALIBRACIÓN Y COMERCIALIZACIÓN; INSTALACIONES DE ENERGÍA SOLAR TÉRMICA; INSTALACIONES DE BOMBEO; DISEÑO, INSTALACIÓN Y MANTENIMIENTO DE: 1. SISTEMAS AUTOMÁTICOS DE DETECCIÓN DE INCENDIOS; 2. SISTEMAS MANUALES DE ALARMA DE INCENDIO; 3. SISTEMAS DE COMARCACIÓN DE ALARMA; 4. SISTEMAS DE ABASTECIMIENTO DE AGUA CONTRA INCENDIO; 5. SISTEMAS DE ARRANQUE EXTERNORES; 6. SISTEMAS DE BOMBEO DE AGUAS CLIMATIZADAS; 7. SISTEMAS DE FILTRADO DE AGUA; 8. SISTEMAS DE EXTRACCIÓN POR RECULADORES AUTOMÁTICOS DE AGUA; 9. SISTEMAS DE EXTRACCIÓN POR AGUA PURIFICADA; 10. SISTEMAS DE EXTRACCIÓN POR ENERGÍA FÍSICA DE BAJA ENTROPÍA; 11. SISTEMAS DE EXTRACCIÓN POR PULVERO; 12. SISTEMAS DE EXTRACCIÓN POR AEROSOL EXTERNOS GASEOSOS; DISEÑO, SUMINISTRO, FABRICACIÓN, MONTAJE, MANTENIMIENTO INTEGRAL Y OPERACIÓN DE PLANTAS FOTOVOLTAICAS; INSTALACIONES DE ENERGÍA SOLAR; BOMBEO ELÉCTRICO; AGUAS Y RESERVUARIOS DE AGUA; BARRILS; SISTEMAS DE TRANSFORMACIÓN; BOMBEO; SUMINISTRO; FABRICACIÓN, MONTAJE, MANTENIMIENTO INTEGRAL Y OPERACIÓN DE INSTALACIONES DE FANDEO; INSTALACIÓN DE CONTADORES; INSTALACIONES INSTRUMENTALES DE INSTRUMENTACIÓN Y CONTROL; REPARACIÓN DE TANQUES; MONTAJE DE TANQUES Y ACCESORIOS; MONTAJE DE EQUIPO DINAMICO Y MONTAJE DE EQUIPO ESTÁTICO; REPARACIÓN DE REACTORES FOTOVOLTAICOS.

Número del certificado: ES14027-1  
Aprobación original: 28-09-2017  
Auditoría de certificación/renovación: 09-08-2023  
Cadañidad de ciclo anterior: 27-09-2023  
Certificado en vigor: 28-09-2023  
Cadañidad del certificado: 27-09-2026

Este certificado está sujeto a los términos y condiciones generales y particulares de los servicios de certificación

Bureau Veritas Iberia S.L.  
C/ Valpértiso Primera 22-24, Edificio Caoba, 28108 Alcobendas - Madrid, España

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## ISO 14001:2015

**Bureau Veritas Certification**

**Certificación**  
Concedida a

**GRUPO NEGRATIN**

POL IND JUNCARIL CL CAPILEIRA, 14 - 18210 - PELIGROS - GRANADA - ESPAÑA

Bureau Veritas Certification certifica que el Sistema de Gestión ha sido auditado y encontrado conforme con los requisitos de la norma:

**NORMA**

**ISO 45001:2018**

El Sistema de Gestión se aplica a:

DISEÑO, SUMINISTRO, FABRICACIÓN, MONTAJE, MANTENIMIENTO INTEGRAL Y OPERACIÓN DE INSTALACIONES ELÉCTRICAS EN EDIFICIOS; INSTALACIONES DE TELECOMUNICACIONES; INSTALACIONES DE PISCINERÍA; INSTALACIONES DE AGUA CALIENTE SANITARIA; CALIBRACIÓN Y COMERCIALIZACIÓN; INSTALACIONES DE ENERGÍA SOLAR TÉRMICA; INSTALACIONES DE BOMBEO; DISEÑO, INSTALACIÓN Y MANTENIMIENTO DE: 1. SISTEMAS AUTOMÁTICOS DE DETECCIÓN DE INCENDIOS; 2. SISTEMAS MANUALES DE ALARMA DE INCENDIO; 3. SISTEMAS DE COMARCACIÓN DE ALARMA; 4. SISTEMAS DE ABASTECIMIENTO DE AGUA CONTRA INCENDIO; 5. SISTEMAS DE ARRANQUE EXTERNORES; 6. SISTEMAS DE BOMBEO DE AGUAS CLIMATIZADAS; 7. SISTEMAS DE FILTRADO DE AGUA; 8. SISTEMAS DE EXTRACCIÓN POR RECULADORES AUTOMÁTICOS DE AGUA; 9. SISTEMAS DE EXTRACCIÓN POR AGUA PURIFICADA; 10. SISTEMAS DE EXTRACCIÓN POR ENERGÍA FÍSICA DE BAJA ENTROPÍA; 11. SISTEMAS DE EXTRACCIÓN POR PULVERO; 12. SISTEMAS DE EXTRACCIÓN POR AEROSOL EXTERNOS GASEOSOS; DISEÑO, SUMINISTRO, FABRICACIÓN, MONTAJE, MANTENIMIENTO INTEGRAL Y OPERACIÓN DE PLANTAS FOTOVOLTAICAS; INSTALACIONES DE ENERGÍA SOLAR; BOMBEO ELÉCTRICO; AGUAS Y RESERVUARIOS DE AGUA; BARRILS; SISTEMAS DE TRANSFORMACIÓN; BOMBEO; SUMINISTRO; FABRICACIÓN, MONTAJE, MANTENIMIENTO INTEGRAL Y OPERACIÓN DE INSTALACIONES DE FANDEO; INSTALACIÓN DE CONTADORES; INSTALACIONES INSTRUMENTALES DE INSTRUMENTACIÓN Y CONTROL; REPARACIÓN DE TANQUES; MONTAJE DE TANQUES Y ACCESORIOS; MONTAJE DE EQUIPO DINAMICO Y MONTAJE DE EQUIPO ESTÁTICO; REPARACIÓN DE REACTORES FOTOVOLTAICOS.

Número del certificado: ES14028-1  
Aprobación original: 16-09-2020  
Auditoría de certificación/renovación: 09-08-2023  
Cadañidad de ciclo anterior: 27-09-2023  
Certificado en vigor: 28-09-2023  
Cadañidad del certificado: 27-09-2026

Este certificado está sujeto a los términos y condiciones generales y particulares de los servicios de certificación

Bureau Veritas Iberia S.L.  
C/ Valpértiso Primera 22-24, Edificio Caoba, 28108 Alcobendas - Madrid, España

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## ISO 45001:2018

**Bureau Veritas Certification**

**Verificación de la Huella de Carbono**  
Concedida a

**GRUPO NEGRATIN**

POL IND JUNCARIL CL CAPILEIRA, 14 - 18210 - PELIGROS - GRANADA - ESPAÑA

Bureau Veritas Certification certifica que el cálculo de la Huella de Carbono ha sido verificado y encontrado conforme con los requisitos del estándar:

**ESTÁNDAR**

**ISO 14064-1:2018**  
(UNE-EN ISO 14064-1:2019)

La Huella de Carbono se aplica a:

- CATEGORÍA 1 - EMISIONES DIRECTAS DE GEI
- CATEGORÍA 2 - EMISIONES INDIRECTAS DE GEI CAUSADAS POR ENERGÍA IMPORTADA
- CATEGORÍA 3 - EMISIONES INDIRECTAS DE GEI CAUSADAS POR EL TRANSPORTE
- CATEGORÍA 4 - EMISIONES INDIRECTAS DE GEI CAUSADAS POR PRODUCTOS QUE UTILIZA LA ORGANIZACIÓN

ACTIVIDADES DE BOMBEO; SUMINISTRO; FABRICACIÓN, MONTAJE, MANTENIMIENTO INTEGRAL Y OPERACIÓN DE INSTALACIONES ELÉCTRICAS EN EDIFICIOS; INSTALACIONES DE TELECOMUNICACIONES; INSTALACIONES DE PISCINERÍA; INSTALACIONES DE AGUA CALIENTE SANITARIA; CALIBRACIÓN Y COMERCIALIZACIÓN; INSTALACIONES DE ENERGÍA SOLAR TÉRMICA; INSTALACIONES DE BOMBEO; BOMBEO; DISEÑO, INSTALACIÓN Y MANTENIMIENTO DE: 1. SISTEMAS AUTOMÁTICOS DE DETECCIÓN DE INCENDIOS; 2. SISTEMAS MANUALES DE ALARMA DE INCENDIO; 3. SISTEMAS DE COMARCACIÓN DE ALARMA; 4. SISTEMAS DE ABASTECIMIENTO DE AGUA CONTRA INCENDIO; 5. SISTEMAS DE ARRANQUE EXTERNORES; 6. SISTEMAS DE BOMBEO DE AGUAS CLIMATIZADAS; 7. SISTEMAS DE FILTRADO DE AGUA; 8. SISTEMAS DE EXTRACCIÓN POR RECULADORES AUTOMÁTICOS DE AGUA; 9. SISTEMAS DE EXTRACCIÓN POR AGUA PURIFICADA; 10. SISTEMAS DE EXTRACCIÓN POR ENERGÍA FÍSICA DE BAJA ENTROPÍA; 11. SISTEMAS DE EXTRACCIÓN POR PULVERO; 12. SISTEMAS DE EXTRACCIÓN POR AEROSOL EXTERNOS GASEOSOS; DISEÑO, SUMINISTRO, FABRICACIÓN, MONTAJE, MANTENIMIENTO INTEGRAL Y OPERACIÓN DE PLANTAS FOTOVOLTAICAS; INSTALACIONES DE ENERGÍA SOLAR; BOMBEO ELÉCTRICO; AGUAS Y RESERVUARIOS DE AGUA; BARRILS; SISTEMAS DE TRANSFORMACIÓN; BOMBEO; SUMINISTRO; FABRICACIÓN, MONTAJE, MANTENIMIENTO INTEGRAL Y OPERACIÓN DE INSTALACIONES DE FANDEO; INSTALACIÓN DE CONTADORES; INSTALACIONES INSTRUMENTALES DE INSTRUMENTACIÓN Y CONTROL; REPARACIÓN DE TANQUES; MONTAJE DE TANQUES Y ACCESORIOS; MONTAJE DE EQUIPO DINAMICO Y MONTAJE DE EQUIPO ESTÁTICO; REPARACIÓN DE REACTORES FOTOVOLTAICOS.

PERIODO VERIFICADO: 01 de Enero 2022 al 31 de Diciembre de 2022.

Número del certificado: ES133439-2  
Aprobación original: 29-09-2023  
Certificado en vigor: 29-09-2023

Este certificado está sujeto a los términos y condiciones generales y particulares de los servicios de certificación

Bureau Veritas Iberia S.L.  
C/ Valpértiso Primera 22-24, Edificio Caoba, 28108 Alcobendas - Madrid, España

1/2

## ISO 14064-1:2018



# CONTACT

## DISCOVER OUR LOCATIONS

### Granada Headquarters

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Peligros (Granada) - Spain  
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### Madrid Headquarters

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III. Edif. H, Floor O.  
28109 Alcobendas (Madrid) - Spain  
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### Colombia Headquarters

Carrera 10, #131a - 92, Office 1. La  
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colombia@negratin.com

### México Headquarters

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### Honduras Headquarters

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Telephone: +34 958 490 156

### Japan Headquarters

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Telephone: +34 958 490 156

### Chile Headquarters

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Phone number: +56 (2) 233 57275  
Telephone: +34 958 490 156  
FAX: +56 (2) 233 57748

### Panamá Headquarters

Urbanización Obarrio. Calle 56, Edificio  
Panamá. Design Center. Local 20.  
Corregimiento Bella Vista, Panama District.  
Telephone: +34 958 490 156

### Cordoba Headquarters

C/ Astrónoma Cecilia Payne. Edificio Centauro,  
14. 14014 Córdoba - Spaina

**CERTIFIED COMPANY**



**GRUPO NEGRATÍN  
MANAGEMENT SYSTEM**

