

evectra

INSPIRING ELECTRIC MOBILITY

**CORPORATIVE
PRESENTATION
2023**



We are a **leading** and benchmark company in the development of **recharging infrastructure projects** for electric vehicles.

We respond to the **paradigm change in mobility**, carrying out reports and projects to **define the infrastructures** that best suit the **needs** of our clients.

We **advise** companies and public administrations on their **electric mobility strategy** from its definition to its execution, covering **all phases of the project**.



+1.200
projects
completed

We are a multidisciplinary team made up of more than 35 people, most of them qualified engineers with extensive experience in civil works and industrial installations of all kinds.

We are characterized by enthusiasm, flexibility, reliability and professionalism.

Our way of working is:



Agile



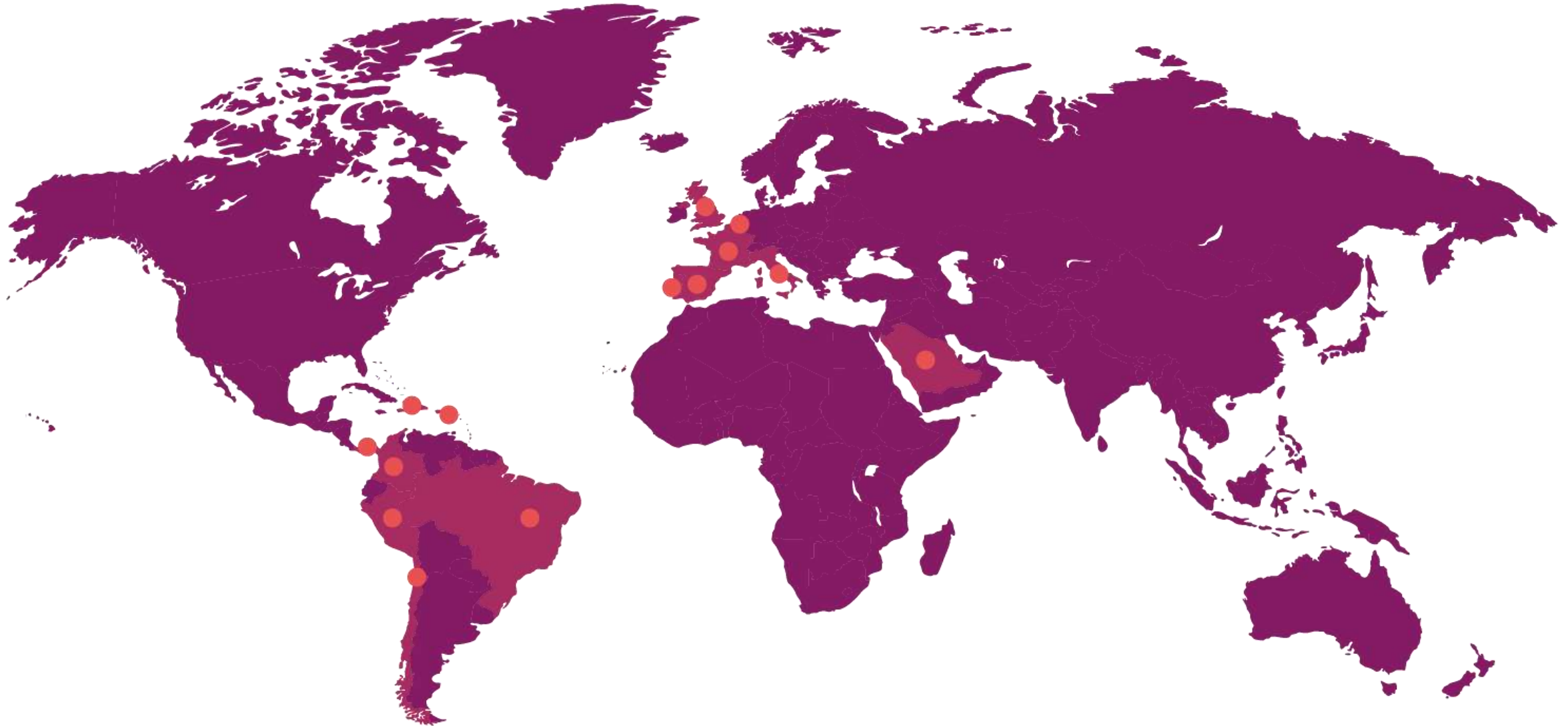
Close



Focused



Transparent



Brazil
Chile

Spain
France

Italy
Panama

Peru
Portugal

Puerto Rico
United Kingdom

Colombia
Belgium

Dominican Republic
Saudi Arabia

In our 10 years of experience we have had the opportunity to carry out projects for clients of the highest level, which we highlight:





**CLEAN AND COMPETITIVE SOLUTIONS FOR ALL
TRANSPORT MODES**



**SAFE, RESILIENT TRANSPORT AND SMART MOBILITY
SERVICES FOR PASSENGERS AND GOODS**



EFFICIENT, SUSTAINABLE AND INCLUSIVE ENERGY USE.



CONSULTANCY

We provide a wide array of services, including studies, strategic planning, technical-economic evaluations, vehicle simulations, bidding document support, European funding projects, and grant management.



PROJECT ENGINEERING

Technical drawings, evaluation of technological alternatives, engineering projects, and a multidisciplinary technical office encompassing calculations, studies, reports, and expert opinions are among our core offerings.



PERMITTING

We excel in assessing administrative requirements, exploring alternatives for optimized solutions, generating necessary documentation, streamlining processes, and providing thorough processing and monitoring services.



CONSTRUCTION ENGINEERING

Our services encompass construction management, health and safety coordination, on-site technical assistance, comprehensive monitoring of technical, economic, and temporal aspects, efficient stakeholder management, report and minute preparation, quality control, document management, and the generation of as-built documentation.



LEGALIZATION

Our services include issuing completion of work certificates, preparing legalization projects, gathering necessary information, managing and processing inspections by authorized control organizations (OCA), and handling the regulatory processing before regional industry departments.



OPERATION CONTROL

We excel in setting performance indicators and monitoring, operational control, maintenance control, providing technical secretariat support for operations and maintenance, and conducting data analysis to offer improvement proposals.

evecra

Safe, Resilient Transport and Smart Mobility services for
passengers and goods



evecetra

Safe, Resilient Transport and Smart Mobility services for
passengers and goods



evecetra

Clean and competitive solutions for all transport modes



Arplus⁺
IDIADA

IONITY

endesa

evecra

Clean and competitive solutions for all transport modes

SHARENOW



NORTHGATE
Renting Flexible



AMB



Ajuntament
de Barcelona



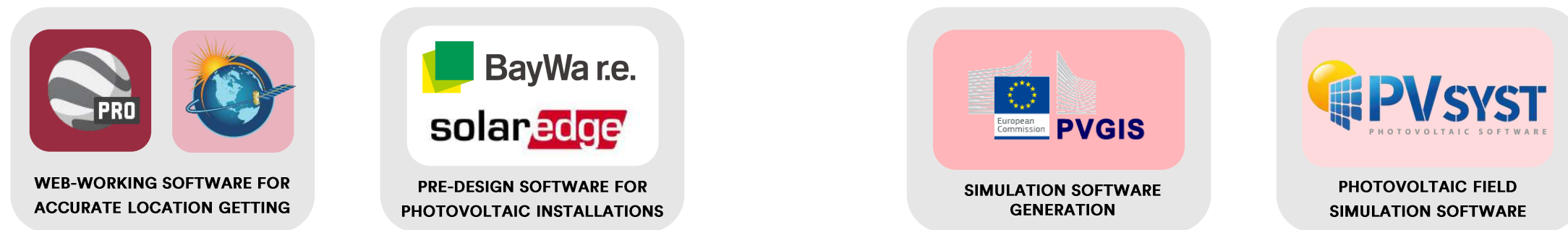
TECHNOLOGY PROFILE



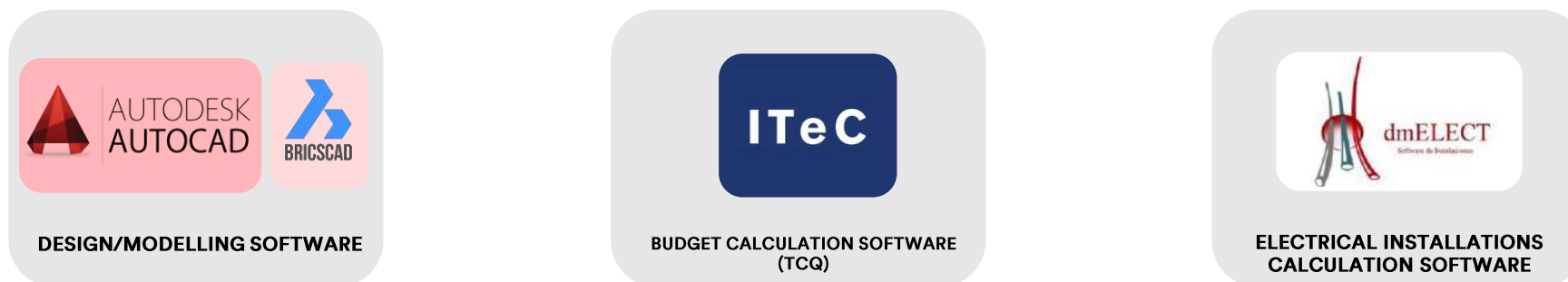
The implementation and development of new internal tools allows for an organized and optimal workflow for the whole team.



Software for photovoltaic installations



Software for the design of installation projects



Developed and customized tools for internal and external use



PRE-BID CALCULATION TOOL FOR CLIENTS

Objective: To offer the client an approximate idea of the cost of their recharging point project. Eliminating intermediary companies and optimising response times in the economic estimate for the implementation of charging point projects.

The tool offers the possibility of considering the installation of new supply points and of mixing different types and types of parking (indoor and outdoor) and chargers (7.4 kW, 22 kW and 50 kW).

Features :

- Power Balancing System
- Communications
- Management and Monitoring System
- Grants Management



BASIC ENERGY CONSUMPTION TOOL

Platform: MATLAB.

Functionality: Calculates the energy consumption coefficients of electric vehicles.

Input variables: Route characteristics (such as slope and road type), environmental conditions (such as climate and volume of users) and vehicle specifications (including capacity, dimensions, aerodynamics and auxiliary systems).

Output: Provides indicative coefficients of energy consumption related to various bus consumption factors, such as headway, aerodynamics, among others.



ADVANCED VISUAL INTERFACE TOOL

Platform: MATLAB Simulink.

Features: Incorporates the functionalities of the basic tool but with a more intuitive and visual interface.

Additional features: Allows real-time modification of input variables to visualise different scenarios and results. It has a dedicated module for the generation of consumption graphs, facilitating the representation and understanding of the data.



LINEAR PROGRAMMING AND OPTIMIZATION TOOL

Platform: MATLAB Simulink.

Features: In addition to the features of the first tool, it is equipped with a specialized module for solving linear programming problems.

Application: It is ideal for determining the optimal solution in the distribution of electric vehicles on available routes, among other applications of a similar nature.



ECONOMIC FEASIBILITY STUDY TOOL

Platform: Microsoft Excel

Purpose: To assess the economic viability of projects, focusing on financial analysis through the calculation of key indicators such as Net Present Value (NPV) and Internal Rate of Return (IRR).

Input Variables: Initial Investment Costs (APEX), Operating Costs (OPEX), Consumer Price Index (CPI), among others.

Main Features:

Detailed Financial Analysis: Allows the calculation of essential financial indicators, such as NPV and IRR, to determine the profitability and payback period of the project investment.

Results Tabulation: Provides detailed tables of costs and benefits over time, facilitating comparative analysis and the identification of trends and turning points.

Graphical Representation: Generates intuitive graphs showing projected profitability, helping to visualize the financial performance of the project over its lifetime.

A close-up photograph of a person's hands writing in a white notebook. The person is wearing a red long-sleeved shirt. They are holding a black pen with the word 'evectora' written on it in white. The notebook is open, and the person is writing on the right page. The background is a dark, out-of-focus surface.

EXPERIENCE

ENGINEERING

**OPERATIONAL CENTER
CARABANCHEL**

BIM MODELING

METALLIC STRUCTURE

**TRANSFORMER
BURIED**

**52 CHARGE POINTS
OF 150 KW**

**SOLAR FIELD
OF 60 kWp**



Electrification for + 140 places for e-buses. Ongoing work on the expansion of 118 additional places.

Development of control and monitoring system for equipment and charging infrastructure.



ENGINEERING

ELECTRIFICATION OF 27 LOCATIONS IN SPAIN

BASIC ENGINEERING

POWER STUDY BY LOCATION

EXECUTIVE PROJECTS

PERMITTING

LEGALIZATION



Electrification of multiple Northgate office locations.

A total of 73 charging points with a total power of 1601 kW have been dimensioned.



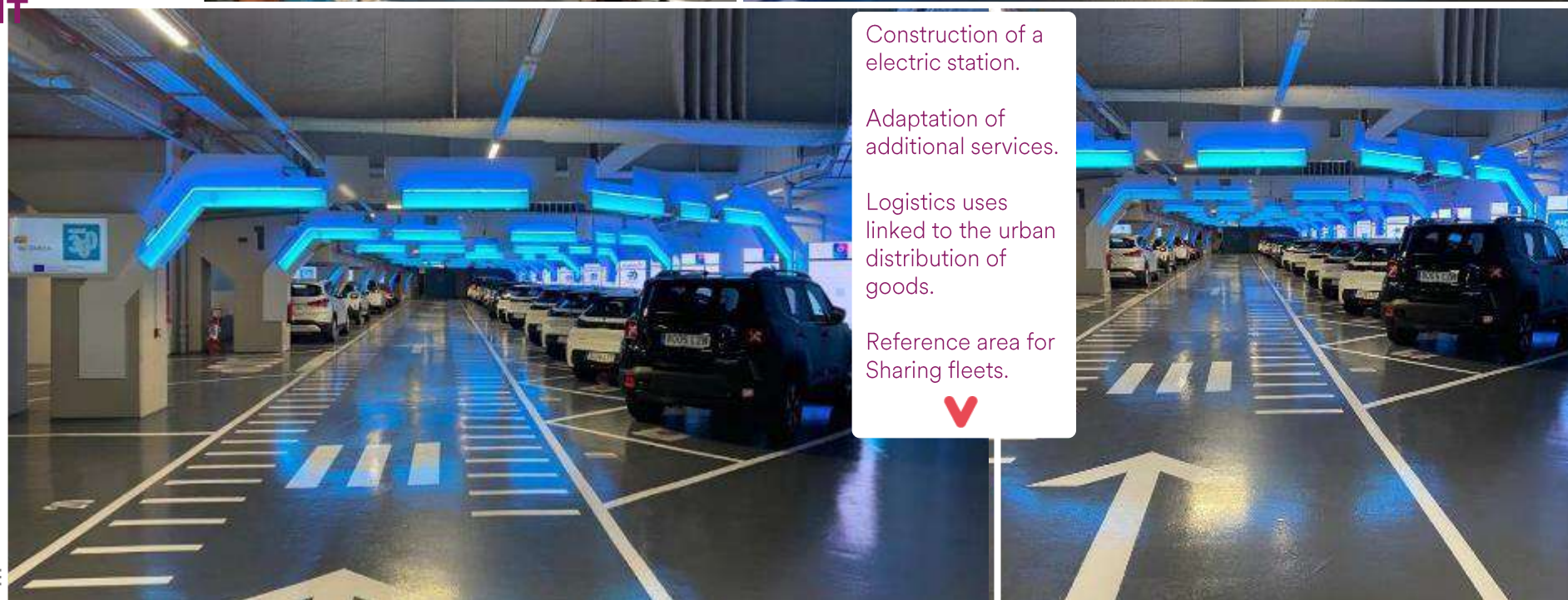
ENGINEERING

PARKING OF CC CANALEJAS

TRANSPORT INFRASTRUCTURE AND SUSTAINABLE MOBILITY

FACULTATIVE MANAGEMENT

COORDINATION OF HEALTH AND SAFETY



Construction of a electric station.

Adaptation of additional services.

Logistics uses linked to the urban distribution of goods.

Reference area for Sharing fleets.



ENGINEERING

IMPLEMENTATION OF ELECTRIC BUS CHARGERS



Development of feasibility studies for the electrification of lines, studies of alternatives for the implementation of the elements associated with the charging infrastructure and economic assessment required for the provision of aid.



ENGINEERING

INFRASTRUCTURE OF ON
STREET ELECTRIC
RECHARGE STATION ON
PUBLIC ROADS

CONSTRUCTIVE PROJECT



Transports Metropolitans
de Barcelona



Electric recharging
station (EREA) with
a power of 250 kW
at the terminus of
line V15 of
Transports
Metropolitans de
Barcelona.



ENGINEERING

INSTALLATION OF MULTIPLE RECHARGE POINTS ON PUBLIC ROADS

SITE MANAGEMENT

COORDINATION OF HEALTH AND SAFETY



Installation of 16 50 kW charging units in the city of Barcelona.

The project required the installation of the connection panels, the chargers and the wiring for their connection.



B:SM Barcelona de Serveis Municipals



Ajuntament de Barcelona

evecra

EXPERIENCE

ENGINEERING

285 CHARGING POINTS

LOGISTICS CENTRES

Barcelona, España
Cádiz, España
Pontevedra, España
Valladolid, España



Development of the engineering work necessary for the electrical installation of multiple charging infrastructures for +280 charging points for electric vehicles in multiple car parks in Spain.



amazon

ENGINEERING

ULTRA-FAST CHARGING STATIONS AT SERVICE STATIONS

PROJECT MANAGEMENT

PLANNING

MONITORING



Development of Project Management for the deployment of the charging stations (1.2 MW) from start to finish for the network of 400 ultra-fast charging stations on the main routes in Europe.



ENGINEERING

INSTALLATION OF MULTIPLE
ELECTRIC VEHICLE
RECHARGING EQUIPMENT

The actions have required the adaptation of the existing electrical cabinet and the implementation of a power supply line, the installation of the connection panels, the chargers and the laying of the wiring for their connection.



ENGINEERING

INSTALLATION OF ELECTRIC VEHICLE CHARGING POINTS

FRAMEWORK AGREEMENT



Development of engineering services associated with the installation and commissioning of electric vehicle charging points for the network of low voltage charging stations in Spain, ranging from 50kW to 100kW.



ENGINEERING

DRAFTING OF THE BASIC PROJECT

TRANSFORMER

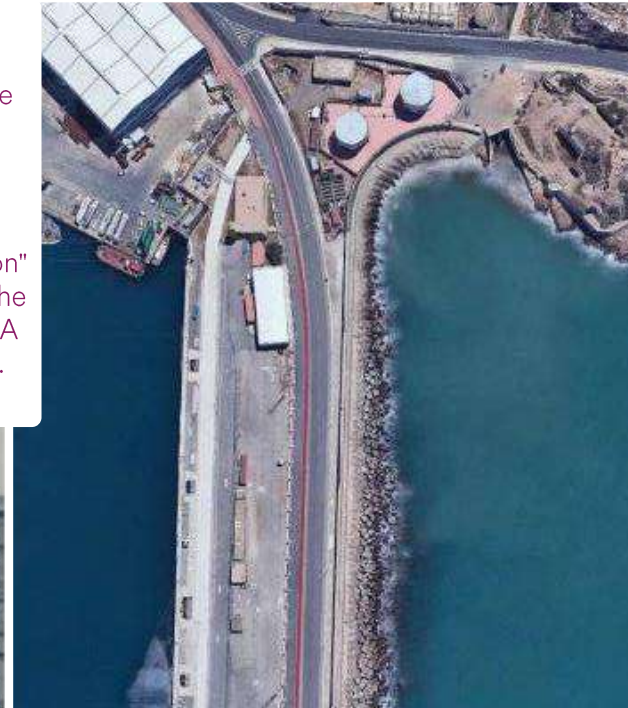
LOW VOLTAGE UNDERGROUND LINE



Ayuntamiento
Cartagena



Evecra has designed the modification of the existing electrical installation that supplies the ships that dock at the "Muelle del Carbón" in order to meet the needs of the 800 A cargo ship Ysabel.



ENGINEERING

DRAFTING OF
CONSTRUCTIVE PROJECT

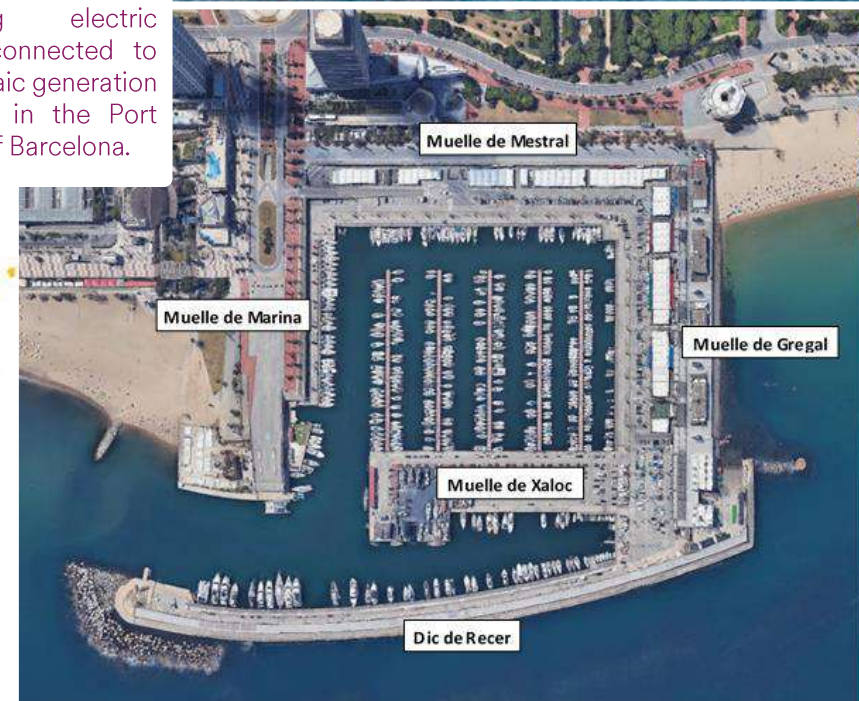
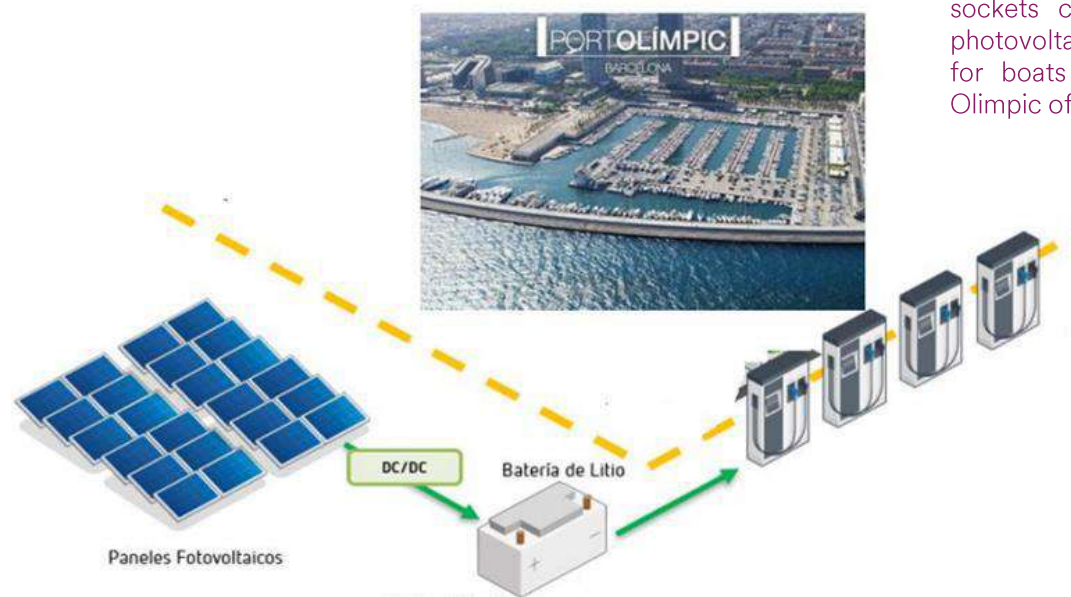
SITE MANAGEMENT

COORDINATION OF
HEALTH AND SAFETY

INSTALLATION FOR
SUPPORT SHIPS



Installation of ultra-fast recharging electric sockets connected to photovoltaic generation for boats in the Port Olímpic of Barcelona.



CONSULTANCY

CHARGE INFRASTRUCTURE
DEVELOPMENT

TECHNICAL ASSISTANCE

SUPERVISION

DEVELOPMENT OF
PROJECT

LEGALIZATION



Work completed for +70
recharging points.



CONSULTANCY

ANALYSIS AND CONCEPTUALIZATION OF
THE CURRENT STATE

FUTURE INFRASTRUCTURE PLANNING.

DEVELOPMENT OF A PRELIMINARY
STRATEGIC DOCUMENT

INFRASTRUCTURE POWERED BY
RENEWABLE ENERGY SOURCES.



Support services to public authorities in the development of the enabling framework for charging stations for electric mobility in the Dominican Republic, in the framework of the EUROCLIMA+ programme.



ENGINEERING

SLOW CHARGING STATIONS AT PROLOGIS FACILITIES

PROJECT MANAGMENT

PLANNING

MONITORING



Development of Project Management for the deployment of work place charging stations of different configurations, complying with the regulations, For each location of Prologis facilities around Spain.



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THANK YOU!

WWW.EVETRA.COM / INFO@EVETRA.COM