

# GROUP aquacenter

water, energy & environment

# GROUP COMPANIES AND THEIR ACTIVITIES

CATALANA DE PERFORACIONS
ELÈCTRICA PINTÓ
CLOREP
COMELSA
DOMINI AMBIENTAL
GESTIÓ SOLAR SOSTENIBLE
WEBDOM LABS



elèctricapintó clorep

**comelsa** 







## Who we are?

#### **GROUP AQUACENTER**

The Aquacenter Holding Group was founded in 1996 due to the union of two companies: Catalana de Perforacions SA & Elèctrica Pintó SL, with subsequent accession by Domini Ambiental SL, Webdom Labs SL, Gestió Solar Sostenible SL and Comelsa SL. The group companies have a global orientation and provide technical solutions to their services to costumers problems, each one in its different speciality.

With its head office base in Santpedor (Barcelona, Spain) and more than a hundred employees, the Aquacenter companies own a high technological facilities and a highly qualified human team.

The group have an orientation to provide products and services to the hydraulic and energy sector to public administrations, private companies and individuals.

Group Aquacenter Headquarters

"Success is not only obtained with special qualities. It is about working consistency, method and organization."

J.P. Sergent

### Introduction

#### **MISSION**

To leverage the synergies yielded by collaborative union of our companies in order to develop and provide new solutions focused on energy efficiency and sustainable exploitation of natural resources.

**6**Group
Companies

#### **VISION**

To become a global leader in development and application of environmental engineering solutions leading to world community progress and sustainable economy.

10% International Projects













#### **VALUES**



**COMMITMENT.** All of our resources and efforts are exclusively used to accomplish the goals and obligations signed with our clients. Our main target is to fulfil and surpass our customers' initial expectations.



**CLOSENESS.** We like to deal with our clients face-to-face, listen and understand their needs as well as take their advice and feedback into account.



**SUSTAINABILITY.** We strongly stand for the economy for the common good movement and work to make this world a better place to live in from an environmental friendly approach.



INTERNATIONAL. There are no borders for us at all, only the people who live on Earth and the projects leading to improving their standard of living.



**ENTREPRENEURSHIP.** We like to take a step forward, to be proactive and take the initiative. We do not fear new challenges and face every new project with determination.



# **Catalanade PERFORACIONS**

www.catalanadeperforacions.com

- Horizontal Directional Drilling (HDD)
- √ Vertical Drilling (VD)
- Mineral Exploration
- **EPC Projects**

- APPROACH
- GROUND RESEARCH
- NEODREN®
- Professional Services



#### Catalana de Perforacions SA

The company was founded in 1968, and specialized in subsoil investigation, vertical perforations for the capture of groundwater, directed sub-horizontal surveys and directed horizontal perforations.

Since its beginnings, the company has studied and developed the most stateof-the-art techniques in its sector, specializing in projects with an elevated grade of technical difficulty and evolving into a global benchmark in the sustainable exploitation of natural and hydrological resources.

Currently, it provides services to the petroleum, mining, agricultural, chemical and construction sectors. It offers its clients a wide range of integral environmental engineering solutions.



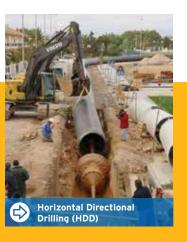


## Horizontal Directional Drilling (HDD)

- Small-diameter piping installation for urban services (electricity, water, gas, optical fiber, etc.).
- Large diameters for more sizable interconnections (pipelines for gas and oil, wastewater, industrial supplies, etc.).

## Vertical Drilling and sounding for mineral exploration

- Groundwater collection.
- Reduction of phreatic levels in civil works projects.
- Perforations for geothermal energy exploitation.
- Wells for aguifer decontamination.
- Water injection wells.
- Piezometers for environmental monitoring purposes.
- Geological reconnaissance surveys and geotechnical investigations.
- Perforations for cathodic protection.
- Drilling with core recovery: wireline or conventional.
- Direct or reverse circulation drilling.







## Sea-coast approaches and land-sea connections (Approach)

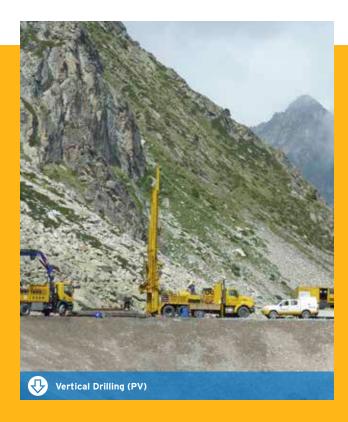
- Seawater outfall / intake.
- Drainage for the capture of seawater through its own technologies: Neodren® and Neodren Plus®.
- Aguifer saltwater capture: Neopou®.

## Subsoil investigation service (Ground Research)

- Ground-penetrating radar for service localization.
- Electric tomography.
- Topographic and bathymetric surveys.
- Thermal resistance of land.
- Hydrogeological surveys.

#### Project management

- Management of drilling projects, construction and campaigns.
- Workplace health and safety coordination.





#### **aquacenter** water, energy & environment









#### Training and teaching courses

- In-company training sessions for professionals in the sector.
- Academic seminars in collaboration with public institutions, universities and trade schools.
- Internal employee qualifications.

#### Specialized consulting

- Fulfillment of EPC / Turnkey projects.
- Elaboration of viability studies.
- Geological, hydrogeological and geotechnical modelling.
- Elaboration of geological / geotechnical studies.
- Resource and reserve evaluation.
- Design and planning of drilling campaigns.
- Technical Assistance during project execution.
- Permit processing (exploration, water collection).

#### **Outstanding Projects**

- Directed perforations for HVDC electric transmission between Spain and France.
- Service installations below the runways of the International Airports of Madrid, Barcelona and Mallorca.
- Electric transmission between the Iberian Peninsula and the Balearic Islands.
- Underwater outfalls and links in: Bermeo (Bizkaia), Cala Talamanca (Ibiza), Armintza (Bizkaia), Santa Ponça (Mallorca), Baiona (Pontevedra), Andratx (Mallorca), Escombreras (Murcia), Cala Gogó (El Prat de Llobregat ), Santander, Águilas (Murcia) and Alicante.
- 5 20 underground drains (Neodren®) for the collection of seawater in the San Pedro del Pinatar desalination facility (Murcia).
- on 11 underground drains (Neodren®) for the Alicante desalination plant.
- Topographic and geophysical study in the Ras Al Khaimah port (United Arab Emirates, UAE).
- Hydrological study in Agadir (Morroco).
- Exploration drilling campaigns in the Cabanasses and Vilafruns mines.
- Installation of geothermal heat pumps for heating in the Sant Pau Hospital (Barcelona).





#### Elèctrica Pintó SL

Elèctrica Pintó, SL was founded in 1974, and belongs to Group Aquacenter®, specialized on electro hydraulic facilities.

The company develops projects related to the world of water and energy opting for innovation and efficiency providing services with a high level of involvement before, during and after the work. The experience and success behind us all these years makes that every day more and more companies rely on our services.

Elèctrica Pintó offers its customers a wide range of services in any department. It offers a consulting service able to analyze needs, define solutions and advice; an engineering service that develops and implements projects, budgets, integrated systems, etc.; and a maintenance service that offers preventive maintenance, troubleshooting, online remote assistance, etc.





## Design and construction of electro-hydraulic installations

- Intake and water supply.
- Pumping systems and auxiliary well equipments installation.
- Water well gauging.
- Water disinfection and treatment systems.
- Waste and drinking water infrastructures.
- Switchboards and automation.
- All kind of hydraulic pumps repair service.
- Experts in boilermaker works, design and construction.
- Design, elaboration an execution of electrification EPC projects.

#### Remote control solutions

- Monitoring and control systems (SCADA) for waste and drinking water infrastructures, sewage plants, water purification; via radio, GSM, GPRS and Ethernet.
- Real-time/web monitoring of installations.
- Remote control systems for energy display and optimisation in facilities.

## Installations for renewable energies exploitation

- Photovoltaic: fixed or with solar trackers.
- Wind power.
- Self-consumption installations, connected to the grid or isolated.
- Renewable energies with geothermal, aerothermal, solar thermal, biomass and mini-wind.

#### Technical support

- Troubleshooting and on-line assistance.
- After-sale services, including: regular maintenance and repair services.
- Development of preventive / predictive maintenance plans.
- Specialized technical support.
- Grundfos Authorised Service Partner.

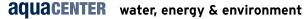
## Energy efficiency and monitoring systems

- Consumption monitoring of houses, facilities and street lights.
- Energy audits and other energy efficiency solutions.











#### **Outstanding Projects**

- Remote control installation of water supply systems in Valls de Sió and Cercavins (Lleida).
- Well equipment for the anti-sea intrusion barrier in coastal strip, in Prat de Llobregat and Barcelona.
- Enlargement of drinking water treatment plant in Osona South in Manlleu (Barcelona).
- Photovoltaic solar facility connected to 955kW network, with solar trackers in Santa Maria de Miralles (Barcelona).
- Deep well equipment for drinking water and hyper-saline water supply in Dubai and Hatta (United Arab Emirates).

- Intake station and seawater pumping to the Recovery of Sea Animals Centre (CRAM) in Prat del Llobregat (Barcelona).
- Installation of water analysis and treatment systems to the new supply tanks in new Terminal "T1" at Prat del Llobregat Airport (Barcelona).
- Ocld and heat air conditioning in a 1200 m<sup>2</sup> multi-family housing unit, with geothermal system by means of open wells at Puigcerdà (Gerona).















#### **clorEP**®

clorEP®, is a specialized division in chemical dosing and water disinfection systems founded in 2014 in the corporative structure by Elèctrica Pintó S.L.

We have a wide range of products covering a wide range of facilities for the treatment of water: chlorine gas, ammonia and chlorine dioxide dosing, electrochlorination, dosage of liquid reagents.

The ability to develop technical solutions adapted to customer needs is one of the clorEP values. Our facilities have technical and administrative offices, electrical workshop, laboratory and warehouse stock. clorEP owns a large fleet of vehicles used for the execution of works.





#### **Products**

- We have a wide range of products covering a wide range of facilities for the treatment of water: chlorine gas, ammonia, chlorine dioxide, electrochlorination, dosage of liquid reagents for both industrial field facilities and municipal facilities.
- Gas Dosing (chlorine gas and ammonia).
- Chlorine Dioxide Generators.
- Electrochlorination Systems.
- Dosing Pumps.

#### Comprehensive technical service

- We design and carry out turnkey projects, including the electrohydraulic installation, automation and boiler.
- We provide excellent service for assistance in assembling and commissioning.
- Highly qualified to manage national and international you project.
- Our customers count on our experience and knowledge at your service. This means you can expect a well-planned and completed in time for the benefit of your company project.
- As distributors of trust, we understand the importance of reliability.
- Our goal is to offer post-sales service and a close and professional support.

#### After sales service

- We offer our customers a service after-sale professional, serious and committed.
- Repairs.
- Spare parts supply.
- Installation maintenance's services through contracts tailored to the needs of each installation.

#### **Technical Assistance Service**

- Troubleshooting diagnostics and repairs.
- Technical assistance service.

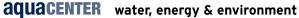
#### Official Grundfos Distributor

 We are distributors of products of the Grundfos brand and are certified as technical service for the maintenance of Grundfos products and facilities.





Chlorine Dioxide Generators





#### **Outstanding Projects**

- Chlorine gas facility's reform at ETAP VIGO.
- Supply and installation of a chlorine dioxide generator 60 g/h for the pre and post disinfection tank treatment in Lluçà.
- Plant maintenance contract of ATLL at Abrera, Cardedeu and Prat del Llobregat.
- Chlorine and chlorine dioxide dosing facility maintenance contract for the Mancomunidad de los Canales de Taibilla.
- Replacing of PAC dosing pumps in the DWTP on Prat del Llobregat.
- Installation of chlorine dioxide generator on the DWTP on Olesa de Montserrat.
- Equipment supply and facilities commissioning on chlorine gas dosing plant in Midelt (Morocco).
- Electrochlorination facilities renewal in Granollers.
- Chlorine and ammonia dosing installation on ETAP Peralveche.
- Reform on chlorine and ammonia gas dosing installation on ETAP Mancomunidad Río Tajuña.















www.dominiambiental.com



#### Domini Ambiental SL

Founded in 2002 in Santpedor (Barcelona) with a clear environmental orientation. Exclusive distribution of the best international brands and a high level technical training are the basis of our contribution.

In Domini Ambiental, we are distributors of equipment and solutions for a more sustainable world. We have an exceptional position within the water and renewable energies industry, key factors for the future energy management.

#### Gestió Solar Sostenible SL

Founded in 2005 in Santpedor (Barcelona) and committed to designing, building, exploiting and maintaining solar farms.

Besides, provides an extensive array of auxiliary services to make those facilities supply electricity continuously and efficiently.





Thermal Solar Energy

➢ Wind Power Energy

Geothermal & Aerothermal

Biomass Energy

(1) Electrical Switchgear

LED Lighting





Solar farm with two axis solar tracker.

### EQUIPMENT, MATERIAL AND SPARE PARTS SUPPLY

#### Water sector world

- Accessories: PVC, brass, PE, PPR, multilayer and smelting valving.
- Water pumps: drainage, sewage and effluent, circulators, multistage, normalized, submersible, in-line and industrial / domestic pressure booster systems.
- Piping: pressure PVC, sanitation PVC, pressure PE, sanitation PE, PPR, electrical canalization piping, drainage piping and multilayer.
- Water meters: drinking and irrigation water meters.
- Industrial hose and accessories.
- Water treatment: osmosis and water softeners.

## Solar photovoltaic connected to grid, self-consumtion and off-grid

- Photovoltaic modules.
- Off-grid inverters.
- Inverters and chargers.
- Battery chargers.
- Control and monitoring.
- Tubular batteries.
- Dry cell.
- Solar pumping.

#### Solar thermal

- Vaccum tubes.
- Flat panels.
- Pool applications.

#### **Geothermal**

- Industrial and domestic heating pumps.
- Buffer and DHW tanks.
- Accessories.
- Hibryd systems.

#### **Aeorthermal**

- Hydraulic exchange.
- Gas exchange.
- DHW heating pumps.

#### **Biomass**

- Boilers.
- Stoves.
- Insertables.
- Tanks, storage silos and accessories.

#### Wind power

- Wind power generators.
- Wind power mini-generators.

#### Lighting and electrical

- LED Lighting: indoor, outdoor and power / control systems.
- Electrical switchgear.
- Industrial automation: soft starters and variable speed drives.

#### Consulting and training

- Energy studies and technical consulting.
- Training and seminars.

#### **GESTIÓ SOLAR SOSTENIBLE**

- Construction, exploitation and solar farms maintenance.
- Auxiliary control services and energy monitoring.





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#### **Leading Brand's Distributor:**

#### **WATER SECTOR**

- AGRUQUERO
- AVK
- COHISA
- CONTHIDRA
- FLYGT PUMPS
- GRUNDFOS PUMPS
- LOWARA PUMPS
- PLASSON
- SACI PUMPS
- TIPSA-RIBÓ



#### **RENEWABLE ENERGIES**

- ECOFOREST
- EXIDE
- FRÄNKISCHE
- PANASONIC
- PARADIGMA
- SHARP

- SMA
- SONNENSCHEIN
- SUNPOWER
- THERMOR
- VICTRON ENERGY



#### **LIGHTING & ELECTRICAL**

- LED LIGHTING TECHNOLOGY
- POWER ELECTRONICS
- LG / LSIS









#### Comelsa SLU

COMELSA SLU is a specialized mechanoelectrical constructions company and develops its activity since 1985.

We are focused on offering repair water pumps and engines, electrical windings for motors, alternators and transformers, industrial refrigeration and air conditioning systems. We offer maintenance and after-sales services, and also we own a large workshop for repairing all kind of mechano-electrical equipments.

Capacity, professionalism and quality on motor winding procedures

We check and repair motor electrical windings, alternators, both AC and DC transformers, single and three-phase.

Our quality is guaranteed by 30 years' experience manufacturing all type of windings with different dimensions, made by the highest quality materials, machinery and skilled workers, in order to offer a high quality and professional service.

We can manufacture both the simplest motors and also the most complex alternators.

The productive method used to manufacture different type of windings guarantees the highest quality, as we have the required equipments such as impregnating facilities, drying oven and test bed.

Industrial Refrigeration and air conditioning

To keep sensitive products, temperature is very important. We offer optimal solutions for industrial refrigeration adapted to the needs of each client and the specific type of industrial cooling for each type of application.

We are also air conditioning systems installers to achieve optimum air conditioning in both industry and domestic environment.





**③** Winding workshop and motor repair.

#### **Electrical windings**

- We have our own facilities available specialized in production methods and process technologies for all types of induction in all kinds of electromechanical equipment, assuring a high standard of quality at competitive prices.
- We understand that time is of utmost important in the case of a breakdown, and that's why we offer a speedy and professional service. Our objective is to getting back to full activity in the shortest time possible.
- We meticulously review and analyze
  the state of the electric motors, quickly
  evaluating the incident with the final goal of
  applying the most adequate solution in a fast
  and effective way.

#### Check and repair

- We have the tools and knowledge available to carry out the review and repair of electromechanical equipment.
- Motors, pumps, alternators, transformers and generations of all types and complexities thanks to our experience in this field of application.

#### Industrial refrigeration

- We work to offer quality industrial cooling facilities, like blast freezers, freeze chambers, deep freezers, refrigerated rooms, etc.
- Our experience speaks for itself in this field and has proven itself in many facilities within the meat and industrial sectors.

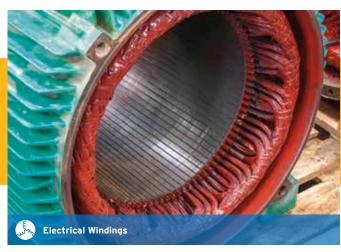
#### Air conditioning

- Making the most of our experience and knowledge in the industrial freezing field, we also offer services in air conditioning installation sector.
- We are trained to design and install different types of systems, keeping in mind the most important objective of all: the comfort of the people for whom our facilities are designed.
- Our systems stand out because of their high coefficients and energy efficiency, which are simultaneously respectful of the environment.

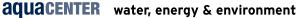
#### **Maintenance**

• We offer services of preventive and corrective maintenance adapted to the necessities of each machine and to each of our clients. In that spirit, in the case that it's needed, we can travel to look after their installation, there for easing and speeding up the process.













#### **Outstanding Projects**

- Rewinding of 300 kVA alternator at 5300V for Monistrol de Montserrat.
- Modification of four 150 kVA transformers, input 500V III, output 400V III for Súria.
- Rewinding of 30 motors at 325kW, 1500 rpm. 1000V III for Súria.
- Rewinding of ABB motor at 533 kW, 1500 rpm, 400/690V III for Sant Fruitós de Bages.
- 5 Repair of two multicellular KSB pumps at 55 kW, 400V III for Port del Comte.
- 6 Repair of three submergible Flygt pumps at 55 kW, 3000 rpm and multicellular Grundfos pumps of 11 and 15 kW for Súria.
- Installation of 3 fans at 1200 by 1200mm, 15 kW in the pressing machine wing at Torruella de
- Repair of a 80 kW compressor for the cooling of an office block for Pirelli Manresa.













#### MONITORING AND CONTROL

## Manufacturers of products for monitoring and control of photovoltaic plant

- Datalogging, panel box with electric protection.
- String monitoring, Combiner Boxes.
- PPC (Power Plant Controller), Power analyzers and Current/Voltage transformers for LV and MV.
- Substation monitoring and metering interfaces.
- Input/Output digital/analog modules.
- Computer and GPS Time Servers.
- UPS for Control Rooms and Power Stations.
- Micro grids and isolated PV plants.

#### **SENSING**

## Wide range of analogic and digital sensors for multiple applications

- Pyranometers, Radiation.
- Ambient/Panel temperature.
- Wind speed/direction.
- Rainfall, humidity, pressure.
- Tailor made mounting structures.

#### SOFTWARE SCADA

## Monitoring and control software included in our range of products

- SCADA.
- Weather Forecast.
- Display customizations.

#### COMMUNICATING

## Communications equipment and accessories needed for the network of your PV system

- Optical fiber, Patch Panels, Patch Cords, Connecting and Fusion.
- Switches, Routers, Modems DSL/4G.
- · Wireless links.
- Tailor made mounting structures.

#### **SERVICING**

#### Installation, commissioning, maintenance and hosting of our range of products

- PV monitoring & control engineering.
- Installation and remote commissioning.
- Historical data hosting.
- Monitoring & sensoring maintenance.
- Communication network management and maintenance.

#### **PV SECURITY**

- Video surveillance.
- Perimeter and panels security systems.
- Combiner box / inverters / transformers intrusion alarms.



#### **Outstanding Projects**

#### Installation of 49 MW PV in Hampshire, England

- Complete Monitoring: Power Stations, Substation and Control Room.
- SCADA: Dataloggers and software.
- Complete Weather Stations.
- Monitoring of inverters, trackers, string boxes, meteorology and parameters of the substation.
- Hosting and BBDD maintenance.



#### Installation of 20 MW PV in Clarendon, Jamaica

- Complete Monitoring: Power Stations, Substation and Control Room.
- SCADA: Dataloggers and software.
- Full server, UPS and rack for equipment installation.
- Monitoring of inverters, trackers, string boxes, meteorology and parameters of the substation.
- Hosting and BBDD maintenance.
- On-site Installation.



#### Installation of 20 MW PV in Barcaldine, Australia

- Complete Monitoring: Power Stations, Substation and Control Room.
- SCADA: Dataloggers and software.
- Full server, UPS and rack for equipment installation.
- Fiber optic equipment for park communications network.
- Monitoring of inverters, trackers, string boxes, meteorology and parameters of the substation.
- Hosting and BBDD maintenance.
- On-site Installation.









#### **LOCATION MAP**





### **Location & contact**

#### **General Contact**

Group Aquacenter has offices in Spain located in Santpedor and Manresa (Barcelona).

You can let us know your comments to our customer service department, suggestions, questions or opinions regarding any matter to Group Aquacenter.

**Customer Service:** 

**(**+34) 938 366 011





#### **Group Divisions**

Should you require further information regarding any product or service provided by any of the companies in particular contact directly with:

## **C1** catalanade

#### CATALANA DE PERFORACIONS SA

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#### **La** elèctricapintó **Clorep**

#### FLÈCTRICA PINTÓ SL - CLOREP®

Pol. Ind. "Santa Anna I", BV-4511 Km. 4,2 08251 SANTPEDOR (Barcelona) - Spain Phone (+34) 938 366 036 Fax (+34) 938 366 031 pinto@electricapinto.com comercial@clorep.es www.electricapinto.com www.clorep.es



#### COMFLSA SLU

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