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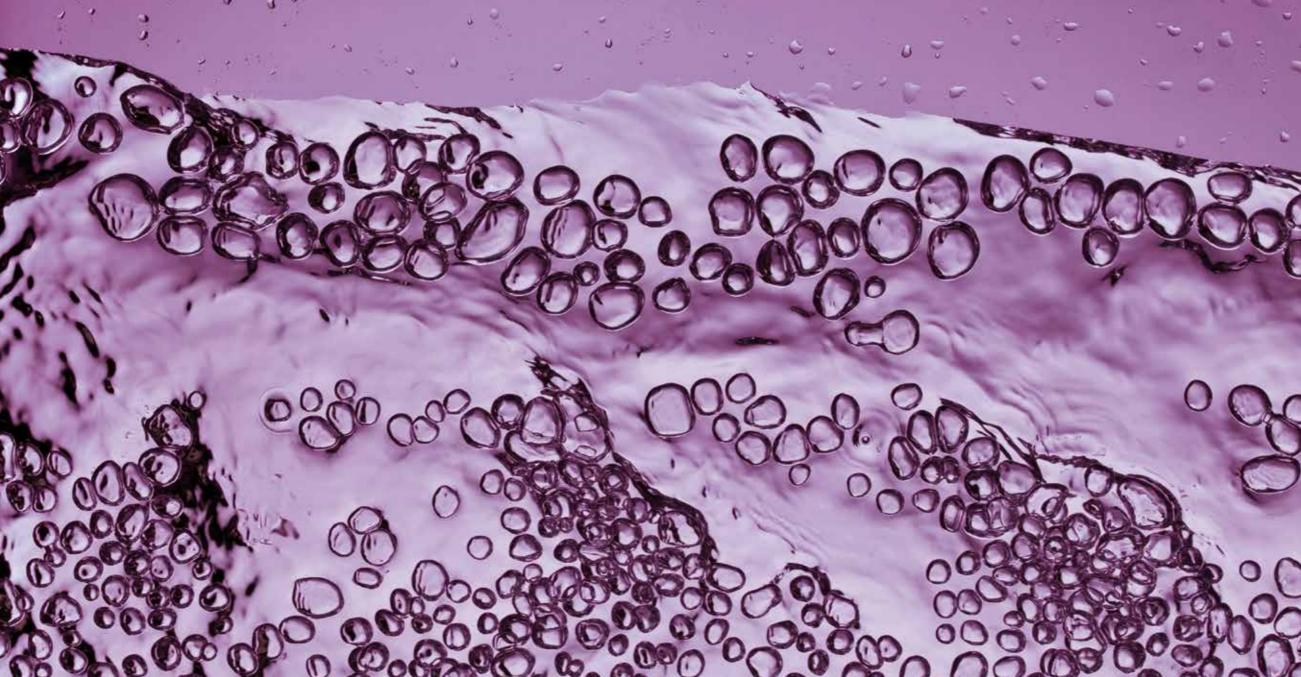
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# hidroambiente elecnor group

water treatment plants |

HOTELS & RESORTS





Hidroambiente, an Elecnor Group subsidiary, was established in 1993 to deliver Water Treatment Solutions for the most demanding clients in the industrial and public markets.

We strive to meet our customers' satisfaction by addressing every stage in a Water Treatment Project, from Design, Construction, Assembly, Commissioning, Operation & Maintenance to Technical Assistance.

This value proposition is possible thanks to our highly professional, innovation-commitment and experienced staff.



Hidroambiente is strongly committed to the Environment, Quality, Safety, R&D and Innovation and is certified in all these areas through a comprehensive Integrated Management System.

Our extensive experience, countless references and prestige in the market encouraged us to set up our branch Hidroambiente SAU México in November 2014 with the aim of serving our clients in North & Central America and the Caribbean with a permanent local structure.

#### **SERVICES**

- Manufacturing of "Turn Key" Water Treatment Plants.
- Equipment Manufacturing.
- Supply of Materials.
- "In house" Construction and Assembly.
- Start-up Service.
- Technological Adjustment and Upgrading:
  - Transfers and Revamping.
  - Basic Engineering Solutions.
  - · Detail Engineering.
  - · Technical Assessment on the Design of New Plants.
- Water Networks Audits and Solutions.
- Operation & Maintenance (O&M) of Water Treatment & Desalination Plants.

## 1. Waste water treatment plants



- Grease and Oil Removal.
- Activated Sludge Treatment.
- Tertiary Treatments.
- Membrane Treatments (SBR, MBR, EDR). With no changes in existing civil works for expansions. With tertiary water quality.
- Reuse.







## 2 Sludge treatment

Of Biological and Potable Sludges:

- Digestion.
- Thickeners.
- Centrifugal.
- Press Filters.
- Belt Filters.









# 3. Desalination plants

Brackish and Seawater Plants:

- Up to 24,000 m³/day capacity.
- In pre-assembled skids.
- Energy Recovery.







# 4. Drinking water plants

- Compact Plants from Rivers and Reservoirs.
- Easily transported in containers.
- Automated.
- Modular and Scalable.
- Weather proof.
- From 1 l/s to 20 l/s.
- Decanting.
- Filtration.
- Disinfection.



# 5. Swimming pools water treatment

- Sand Filtration.
- Activated Carbon Filtration.







## 6■ Chemical dosing & cooling systems

- Reagents for Laundries.
- Reagents for Swimming pools.
- Reagents for Cooling Towers and General systems.
- Chlorine Generators with Seawater.
- Cooling Towers & Heat Exchangers.













### 7 Reuse of water from Laundries

Wastewater Reuse.

Through Package Systems:

- Physical & Chemical Treatment.
- Ultrafiltration.
- Reverse Osmosis.







# 8. Operation & Maintenance (O&M)

- Technical Assistance
- After Sales Service.
- Integral O&M Services
- Provision of Spares and Consumables.





#### **ON-SITE SERVICES:**

- Water Analysis.
- Performance Evaluation.
- Process Optimization.
- Evaluation of Modifications and Upgrades.
- Performance Improvements.
- Cost Reductions.

All services managed in conformity with:

- ISO 9001 Quality Management System.
- ISO 14001 Environmental Management System
- OSHAS 18001 Health & Satefy Management.

## **9** References

#### Hotels

Excellence Hotels: Excellence Oyster Bay Blue Diamond Resorts: Royalton Negril Resort & Spa Royalton White Sands Royalton Santa Lucia

#### **Energy**

Acciona Avanzia **Budimex** Çalik Enerji Cobra Duro Felguera

Elecnor

Electroingeniería Iberdrola Ing. y Cons.

Inelectra Initec Energía Isolux Corsan OHL

Sener TSK

Elcogas

Almaraz Trillo American Energy Society

Enel **ESB** Iberese MPX Unión Fenosa Gas Natural

### Iron. Steel & Metals

#### **Aluminium**

ALCOA Iberfoil Thyssen GUSS

#### Copper

Outokumpu Copper Tubes

### **Ferroallons**

Ferroatlántica

#### Steel

AQS

ArcelorMittal: Bergara, Olaberria, Madrid, Sestao, Zaragoza

CAF

Condesa Fabril

Fundición Nodular

Sidenor (Gerdau):

Azkoitia, Basauri, Legazpi Reinosa, Vitoria/Gasteiz

Celsa Barcelona, Celsa Steel UK, Global Steel Wire, Nervacero

Alfonso Gallardo: Corrugados Azpeitia, Corrugados Getafe

Riva:

Siderúrgica Sevillana

SIMEC:

Siderúrgica de Mexicali

SKS

Thyssen Mieres **Tubos Reunidos** Winoa Iberica

Primetals SMS-Sidernaval

Zinc

Asturiana de Laminados Befesa Hindustan Zinc

#### Oil Industry

Cepsa Disa Esergui Galp

Meroil **PDVSA** Repsol Fluor

GS

Intecsa Industrial

Itochu Saipem

Técnicas Reunidas

#### **Chemical Industry**

Acideka Arkema Brilen Cabot Celanese

Derivados del Flúor Lascaray

Lurgi Michelin Nivea

OPCO Poliseda Portland

Praxair SABIC Union Carbide

### Food

Agrovic Antonio Muñoz Azucarera ACOR Carrefour

Cervezas Damm Coca Cola Conservas Dardo Conservas Ortiz

Copag

Delicass internacional Ebro Agrícolas

Fruit Tech Natural **Iparlat** 

Mahou Malvasia Navarra Trout Pepsico Rich's

### Pulp & Paper

Echezarreta Ence

Smurfit Kappa

### **Others**

CABB Cadagua Cespa DFB

Ferrovial Gobierno Navarra

Grupo Antolín Mercedes Renault Satuerca

SAV-DAM





