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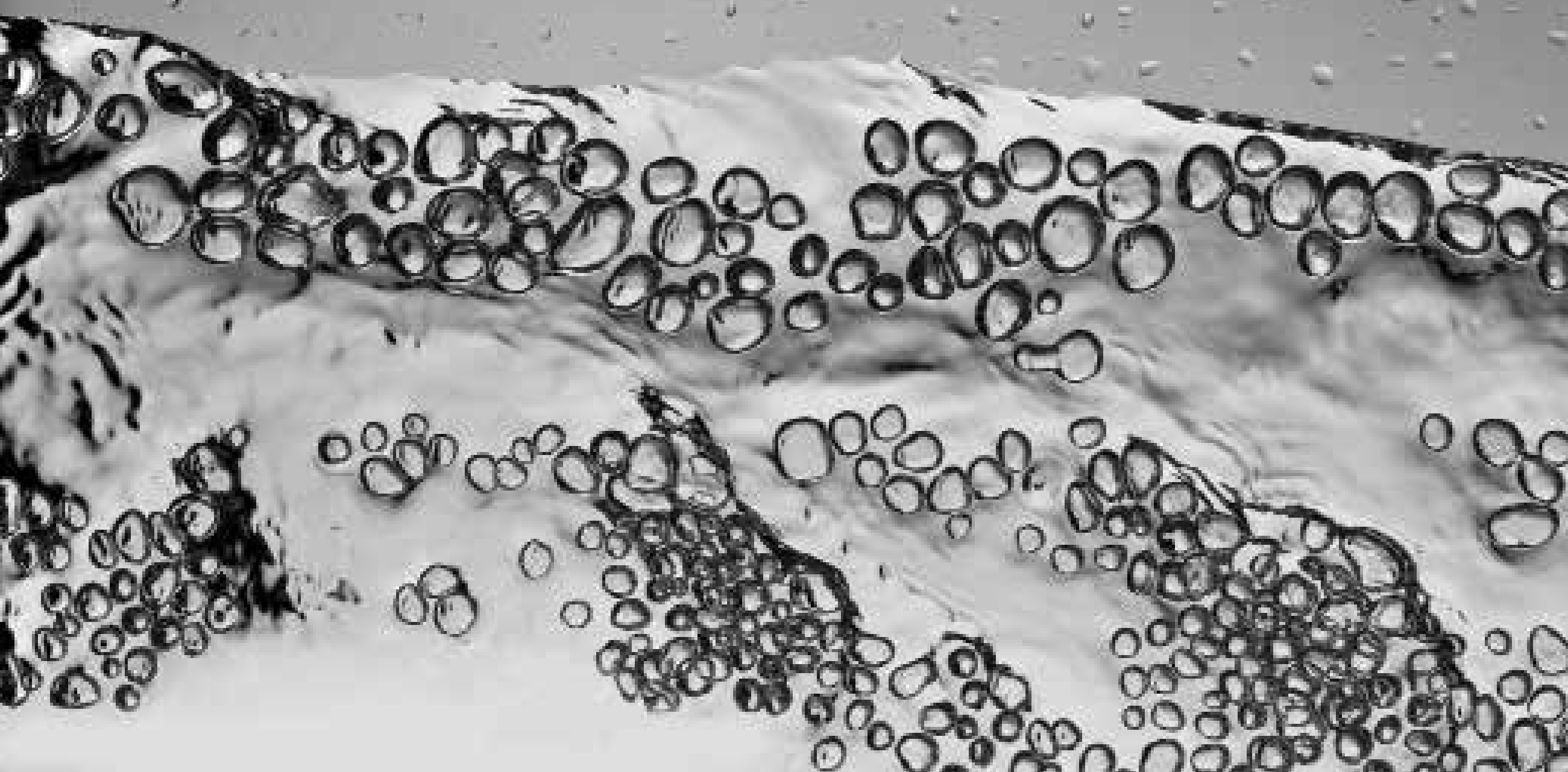
www.hidroambiente.es



hidroambiente
elecnor group

| water treatment plants |

IRON, STEEL & METALS





Hidroambiente, within the Elecnor Group, was founded in 1993 to deliver Water Treatment solutions to highly demanding customers from the industrial and public sector.

We strive to meet our customers' satisfaction by addressing every stage in a water treatment project, i.e. Design, Construction, Assembly, Commissioning, Operation & Maintenance and Technical Assistance.

This commitment is possible thanks to a very experienced innovation-committed highly-skilled staff.

Our long-standing experience, our countless references and our prestige in the market together with the importance of our customers encourage us to go on with this strategy.



1. 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

Before undertaking any Investment:

- Basic Engineering Solutions
- Detail Engineering
- Technical Assessment on the Design of New Plants
- Water Networks Audits and Solutions



2. Water Treatment Plants

Technologies:

- Freshwater from Rivers and Lakes. Settler Tanks, Flotation Systems and Sand Filters
- Freshwater from Wells and Reservoirs. Reagents and further Sand Filtration
- Brackish Water. Microfiltration, NanoFiltration or Reverse Osmosis
- Water reuse from WWTPs. Tertiary Treatments by Physical-Chemical Settling-Filtration or Ultrafiltration Membranes
- Seawater Desalination



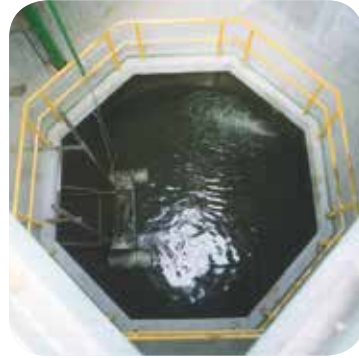
3. Cooling Systems

- Cooling Towers
- Heat Exchangers
- Pumping Systems
- Semiclosed Loops
- Closed Loops
- Seawater Loops
- Air Coolers
- Chemical Dosing: Antiscalants, Biocides, etc.
- Lateral Filtration



4. Cooling Direct Circuits Big Solids Removal

- Screening
- Scale Pits
- Hydrocyclons
- Skimmers
- Dynamic Oil Skimmers
- Sand Traps
- Scale Pumping Systems



4. Cooling Direct Circuits Clarification

- Longitudinal Clarifiers
- Circular Clarifiers
- Lamellar Settler Tanks
- Clarifiers for Coal
- CPI Flotation
- Dissolved Air Flotation (DAF)
- Thickeners



4. Cooling Direct Circuits Filtration

- Scale Filters
- Vertical Filters
- Horizontal Filters
- Pre-Coat Filters
- Ring Filters
- Candle Filters
- Cartridge Filters



4. Cooling Direct Circuits Sludge Treatment

- Thickeners
- Press Filters
- Belt Filters
- Centrifuges
- Thermal Drying





5. Waste Water Treatment Plants

- Biological Treatments
- Oil Removal
- Pickling Baths
- Heavy Metals Removal
- Stormwater Runoffs Treatment
- Scrap and Coal Yards
- Slag Cooling



6. References

Iron, Steel & Metals

Aluminium

ALCOA
Thyssen GUSS

Copper

ALSA
Outokumpu Copper Tubes

Ferroalloys

Ferroatlántica

Steel

AQS
ArcelorMittal:
Bergara, Olaberria, Madrid,
Sestao, Zaragoza
CAF

Condesa Fabril
Fundición Nodular

Gerdau:
Azkoitia, Basauri, Legazpi,
Reinosa, Vitoria/Gasteiz

Celsa:
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
Primetals
SMS-Sidernaval

Zinc

Asturiana de Laminados
Befesa
Hindustan Zinc

Energy

Acciona
Avanzia
Budimex
Çalik Enerji
Cobra
Duro Felguera

Elecnor
Electroingeniería
Iberdrola Ing. y Cons.
Inelectra
Initec Energía
Isolux Corsan

OHL
Sener
Técnicas Reunidas
TSK
Almaraz Trillo
American Energy Society
Elcogas
Enel
ESB
Iberese
MPX
Unión Fenosa
Gas Natural

Chemical Industry

Acideka
Arkema
Brilen
Cabot
Celanese
Derivados del Flúor
Lascaray
Lurgi
Michelin
Nivea
Poliseda
Portland
Praxair
SABIC
Union Carbide

Oil Industry

Fluor
GS
Intecsa Industrial
Itochu
Saipem
Técnicas Reunidas

Cepsa
Disa
Esergui
Galp
Meroil
PDVSA
Repsol

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

Others

CABB
Cadagua
Cespa
DFB
Ferrovial
Gobierno Navarra
Grupo Antolín
Hoteles Royalton
Mercedes
Renault
Satuerca
SAV-DAM

