



**HIDROTEK**  
WATER TREATMENTS



**COMPANY  
PRESENTATION**





**HIDROTEK**  
WATER TREATMENTS

**HIDROTEK** is a specialized company in hygiene and water treatment services. In an area of such importance such as water hygiene, Hidrotek, has given with its experience a strong contribution to the development of technologically advanced projects in order to address the need of water hygiene and water treatment in the countries where it operates.

Is currently present in **PORTUGAL AND ANGOLA** with a team of engineers and specialized technicians with over 20 years of experience in water treatments.

It provides personalized customer care and technical assistance, using qualified methodologies and procedures. Hidrotek has modern water treatment programs, and use high quality accredited and certified products.

It's goal is to fulfil each client's needs, in a search for the optimization of the equipment's operating conditions and installations, thereby guarantying high levels of profitability and safety.

Is specialist in assessment, **TURNKEY PROJECTS**, installation and maintenance/exploitation of treatment systems (WW TS and WTS) for up to 200 thousand habitants, reuse and storage of water and wastewater.



**VISION**

Becoming an international benchmark of “knowledge” and “Know How”, turning us into a strategic partner for a long-term relationship with our clients.

**MISSION**

Always searching in a consistent and nonconformist manner, the best and most innovative engineering solutions, guaranteeing our clients the creation of added value to their businesses.

**VALUES**

**SERVICE** FOCUS ON THE CLIENT. A FRIEND IN NEED IS A FRIEND INDEED.

**COMMITMENT** WALK THE TALK. THE ROAD TO HELL IS PAVED WITH GOOD INTENTIONS.

**PROFESSIONALISM** KNOW MORE. ACT BETTER. CURIOSITY DID NOT KILL THE CAT.

**ACCURACY** TELL THE TRUTH NO MATTER WHAT. EVEN WHEN IT'S NOT GOOD FOR US.

**AVAILABILITY** ALWAYS GO THE EXTRA-MILE. WHERE THERE'S A WILL, THERE'S A WAY.

**TEAM SPIRIT** ONE FOR ALL, AND ALL FOR ONE, OF COURSE.

**RESPECT** ALWAYS WALK ON THE BRIGHT SIDE OF LIFE. IT'S GREAT.



WE ARE PRESENT: PORTUGAL • ANGOLA • ALGÉRIE • EQUATORIAL GUINEA • MOZAMBIQUE • SAUDI ARABIA • SPAIN • UNITED ARAB EMIRATES • VENEZUELA

WE DID WORK: BRAZIL • CAPE VERDE • FRANCE • MORROCO • SAO TOME AND PRINCIPE • SOUTH AFRICA • TJMOR

## BUSINESS AREAS

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- ✓ CONSUMER WATER
- ✓ INDUSTRIAL WATERS
- ✓ RESIDUAL WATERS
- ✓ SWIMMING POOLS AND LEISURE EQUIPMENTS
- ✓ PROJECT AND CONSTRUCTION
- ✓ INTEGRATED MANAGEMENT TREATMENT
- ✓ *LEGIONELLA*



**HIDROTEK**  
WATER TREATMENTS

**CONSUMER WATER**

The water quality destined for human consumption is defined by a group of characteristics (parameters and their parametric values) established in the national and European legislation based upon the World Health Organization's guidelines.

Hidrotek, assesses, installs and controls rigorously the necessary treatment systems in order to obtain quality water for safe consumption. According to the type of water in need of purification, we develop technical solutions that may include up to 3 stages:

**Pre treatment:**

- Filtration and sediment removal
- Decantation

**Specific treatment:**

- Odor removal with activated charcoal
- Ultrafiltration
- Reverse Osmoses
- Ion Exchange resins
- Removal of specific elements or pollutants

**Desinfection:**

- Chlorination
- Ozonation
- Ultraviolets





**HIDROTEK**  
WATER TREATMENTS

**INDUSTRIAL WATERS**

With the advances in the water treatment technology it is possible to package and adequate any water to its application. Hidrotek shares its knowledge with its clients in search for balanced solutions, allowing optimal consumption, protecting our client's products and equipment. Using the market's latest technological solutions, we provide a wide range of equipment and products in order to obtain the best results.

We develop our industrial water treatment programs in four major areas:

- Boilers and steam circuits
- Refrigeration towers and evaporative condensers
- Closed heating and refrigeration circuits
- Specific industrial water processes





**HIDROTEK**  
WATER TREATMENTS

**RESIDUAL WATERS**

With a specialized team, Hidrotek guarantees the entire conception process and Waste Water Treatment Plant construction (WWTP).

Through preliminary studies and based upon the client's requirements, we develop projects according to their needs, paying special attention to the type of application, its final purpose and the fulfilment of every applied requirements, We have found the best solution, with profitability and good quality/price ratio.





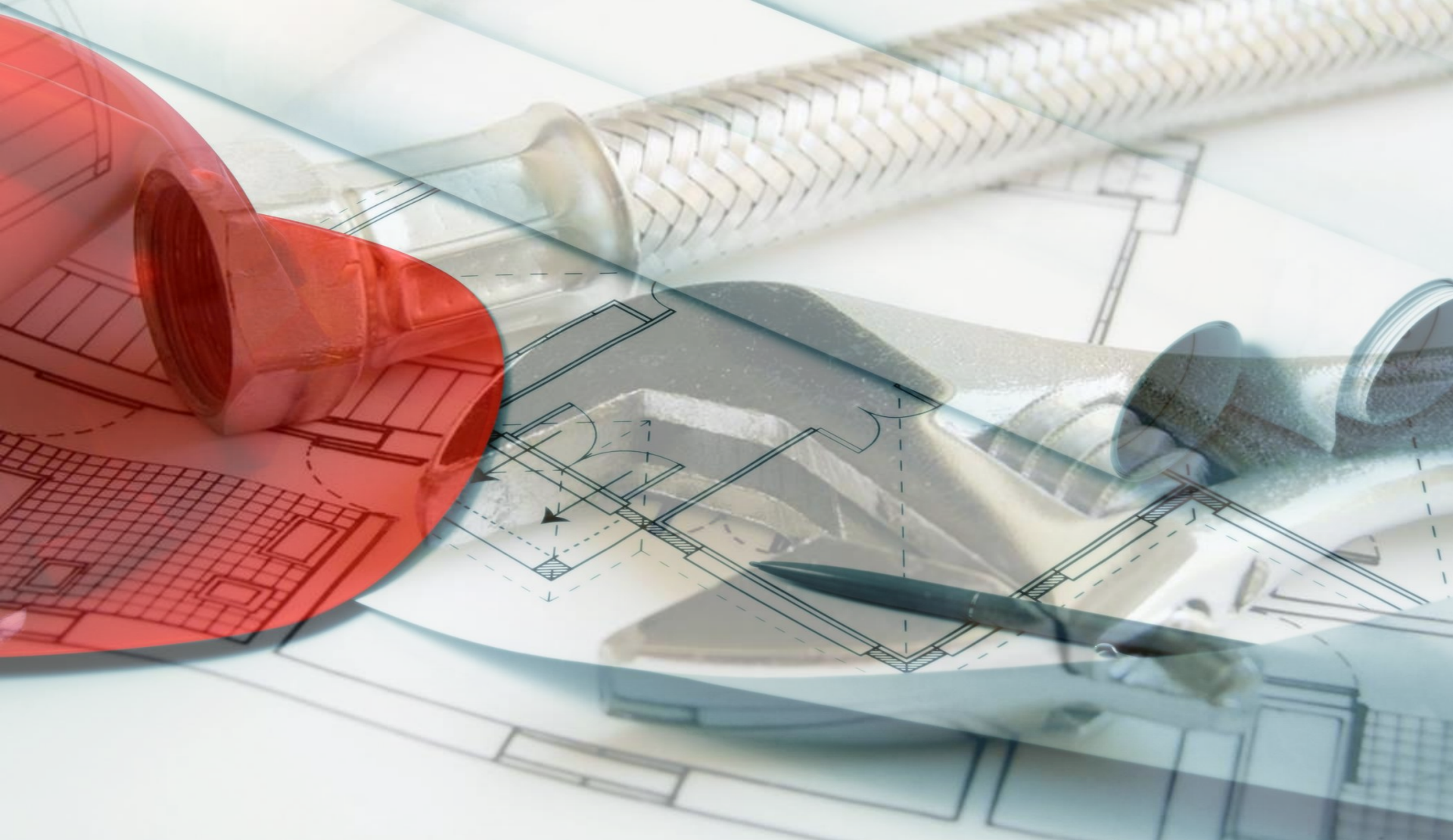
**SWIMMING POOLS  
AND LEISURE EQUIPMENTS**

To complement our core business, another area of Hidrotek's activity is the construction of swimming pools and other water related leisure facilities.

We develop our projects from its planning, up to a scheduled follow-up to the facilities, with the application of a chemical treatment program and cleaning of the equipment, guaranteeing a healthy quality water.

We assess and offer turnkey projects, applying recirculation equipment, filtration, treatments and all type of coatings, accessories and quality approved furniture, meeting our client's needs.





**HIDROTEK**  
WATER TREATMENTS

**PROJECT AND CONSTRUCTION**

Our water treatment projects are created and developed, using the best available techniques in order to reach defined goals, and aiming towards the reduction, optimization and simplification of processes.

**Hidrotek** has a technical team specialized in assessment and supply of **turnkey** Water and Waste Water Treatment Stations (WTS's and WWTP's).

We provide training and the necessary technical support of the operators, however, if requested and through contract, Hidrotek can be directly responsible for the exploration of the unities.

Aiming towards the globalization of our services in the water area, we have available a set of products in the **hydraulics area**. With a large experience in the preliminary studies, budgets and execution of drinking water supply projects, domestic and rain water drainage network, as well as fire fighting systems (FFS).







**HIDROTEK**  
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**INTEGRATED  
MANAGEMENT TREATMENT**

We supply a complete service of water treatment management, including:

- Supply of a wide range of high performance chemical products, targeting the specific needs of each system and water type
- Analytical follow-up in loco of the treatments evolution, providing corrections and adjustments in real time
- Development of screening processes and collecting of water samples for the control of its chemical and bacteriological water quality.



Being a subject of the utmost importance in the water hygiene area, and also one of the most sensitive, in terms of public safety, Hidrotek develops for its clients in the most diverse areas of activity, complete specific programs in order to control and monitor the water systems contamination with the Legionella Pneumophila bacteria.

Our water hygiene services include:

- Installation's risk assessment
- Implementation of Legionella's control and monitoring programs
- Cleaning and sanitation of the risk systems: Water reservoirs, refrigeration equipments and sanitary water circuits
- Specific Legionella analysis in an independent certified lab.





## **MAIN NATIONAL REFERENCES**



### CORINTHIA 5 STARS HOTEL

Water Treatments in:

- Sanitary Waters,
  - Cooling Towers
  - Pools
  - Heaters
- 
- Chemical Analysis
  - Legionella*
  - Deposits Desinfection

**FLORIDA 4 STARS HOTEL**

Water Treatments in:

- Sanitary Waters,
- Heaters
  
- Chemical Analysis
- Legionella*
- Deposits Desinfection



**AND MORE.....**



And Others...



**MAIN INTERNATIONAL REFERENCES**



Dehydration of Fungi Potable Machine Water (Barcelona, Spain)



Budget: 7,25M€  
Capacity: 5.000 m3/day  
Client: ATLL



## WWTP (Coruña, Spain)

Budget: 8,70 M€  
Capacity: 14.000 m<sup>3</sup>/day  
Client: Aguas de Galicia



ANGOLA

SWIMMING POOL AND WWTP  
BAÍA HOTEL - LUANDA



Swimming Pool and WWTP in Baía Hotel, with water recovery for irrigation  
Client: Teixeira Duarte Angola



Water Desalination System in Mossulo



## WWTP Anaerobic Digestion and Cogeneration (Girona, Spain)

Budget: 3,86M€  
Capacity: 14.000 m<sup>3</sup>/day  
Cogeneration: 130Kw  
Client: Agencia Catalana del Agua

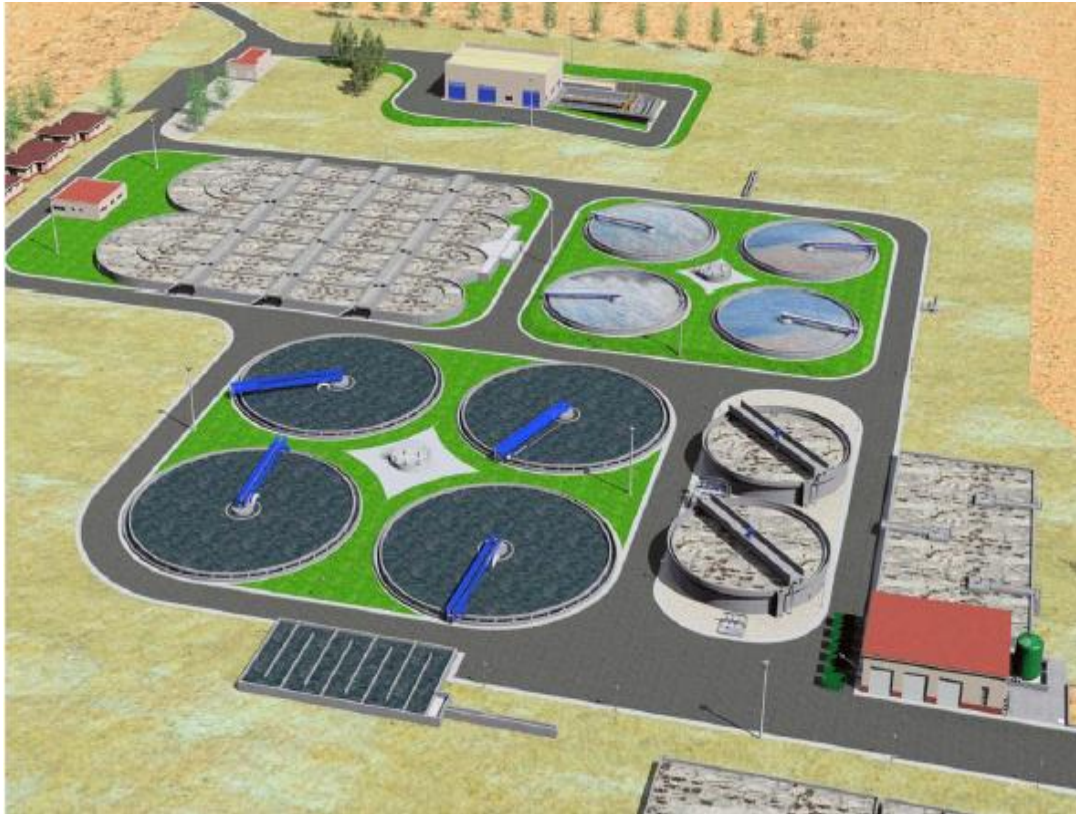


EQUATORIAL GUINEA

Hydrocarbons Institute



Hydraulics and  
Water Treatments  
Network



WWTP (Biskra, ALGÉRIE)

Budget: 28,9 M€

Capacity: 55.000 m<sup>3</sup>/day

Client: Office National de l'Assainissement  
(ONA)

Location: Tindouf (Argelia)

General Characteristics: Inverse Osmosis Equipment for 1.500 m<sup>3</sup>/día into a ISO 40' container.





## WWTP of Hellín (Albacete, Spain)

Budget: 8,70 M€

Capacity: 12.500 m<sup>3</sup>/day

Client: Ministério de Medio Ambiente





Sector: Thermosolares Plants  
Location: Campos de San Juan, Ciudad Real  
(España)

Characteristics: Water Treatment Plant (210m<sup>3</sup>/h)  
for solar central 50 MW CCP Technology



VENEZUELA

Softners for cooling towers

Grupo Souto

San Mateo



Grupo Souto

Tinaquillo



ANGOLA



WWTP

Client: CARNES VALINHO - ANGOLA





### Hotel Alvalade (Angola)

Swimming Pool of Alvalade Hotel with  
water recovery for irrigation  
Client: Teixeira Duarte Angola

## ANGOLA

**Client: AUTOSUECO**

- Disinfection treatment and water filtration;
- Brackish water treatment system through reverse osmoses.

**Client: TOTAL**

Recovery and Treatment of the TOTAL swimming pool.

**Client: TEIXEIRA DUARTE**

- Assembling of recirculation and drainage system of Retention Basin of Viana Operational Pole;
- Installation of wastewater treatment plan with tertiary treatment at the Shipyard of Viana;
- Maxi Talatona's water treatment recovery system through reverse osmoses for brackish water;
- WTP, Swimming Pool and WWTP with water recovery for irrigation.

**Client: SOMAGUE**

Assembly and start-up of treatment system in University Campus Water Mirror.

**Client: SOARES DA COSTA / SONANGOL**

Wastewater treatment plant with water recovery for irrigation.

ANGOLA

**Client: VALINHO MEAT**

Wastewater treatment plant with water recovery for irrigation.

**Client: ALVES RIBEIRO CONSTRUÇÕES**

Filtration, pumping, waterproofing and coating in two swimming pools for Baía Building.

**Client: EDIFER**

- 5 Swimming pools for V'Gardens Condominium;
- Swimming pool for Kojima Condomonium.

(Filtration, pumping, waterproofing and coating)

**Client: MONTEADRIANO**

Water treatment system through reverse osmoses.

**Client: CHEVRON**

Water treatment system and pumping in 2 swimming pools of 55x14m.

**Client: PROVINCIAL ADMINISTRATION OF UIGE (WATER FOR ALL)**

Water disinfection and filtration treatment system.

**Client: HUAMBO MILITARY HOSPITAL (FAA's)**

Water treatment system through reverse osmoses.

**Portugal**

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