



Experience, Quality and Professionalism

Tedagua, created in the early eighties, has become an international leader in the design, engineering, operation and maintenance of drinking water treatment plants, using feed water from rivers, the sea or from salt-water sources (DWTP - Drinking Water Treatment Plants, SWRO - Sea Water Treatment Plants and BWRO - Brackish Water Treatment Plants).

The company possesses extensive experience in the development, construction, operation and maintenance of urban and industrial wastewater treatment plants (WWTP and IWWTP), no matter which phase might be under consideration (pre-treatment, biological, tertiary, digestion, dehydration and drying of sludge, deodorising, etc.). Offers possible solutions to gain an evolution of water treatment and guarantees the highest quality and service levels in all the processes, from the investigation of new solutions to the making of new projects or the after-sell services.

Tedagua has grown considerably in recent years and is considered a world leader in the water treatment sector.

PROJECT DEVELOPMENT

- ldentification, selection and analysis of business opportunities.
- Permitting (international regulatory how).
- Layout, Design, Basic Engineering and Plant optimization.

EPC

- > FEED, Basic & Detailed Engineering
- Performance Plant Model
- Negotiation with suppliers and subcontractors
- > Project Management
- Commissioning and Start up
- > EPC Full wrap quarantees

O&M

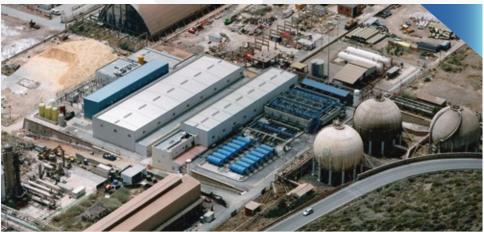
- Health, Safety & Environmental management
- Operating optimization process
- ➤ O&M performance and availability guarantees

Seawater and Brackish Water Desalination Plants (SWRO-BWRO)

Tedagua has more than three decades of experience in developing purification systems for both seawater and brackish water for obtaining final water qualities adapted for subsequent use: drinking water, industrial, and other uses.

It has extensive knowledge of the investment, design, engineering, procurement, construction and operation of Plants using reverse osmosis treatments, combined with filtration systems, ultrafiltration, nanofiltration, remineralization...







Drinking Water Treatment Plants (DWTP)

Tedagua has developed innovative solutions for the wide range of problems that arise in the treatment of drinking water.

In Drinking Water Treatment Plants (DWTP) the raw water is treated by a

In Drinking Water Treatment Plants (DWTP) the raw water is treated by a series of physicochemical processes in order to eliminate the harmful substances, in addition to granting features making the water safe for consumption.

TEDAGUA keeps these control processes under permanent review and improvement through the development, operation and maintenance of Drinking Water Treatment Plants to supply cities and towns.

The processes entailed in this service are regulation, pretreatment, flocculation, filtration and disinfection.

Furthermore, Tedagua uses the latest technologies in the production of high-quality drinking water such as chlorination using chlorine dioxide production, selective nanofiltration membranes, microfiltration, active carbon treatments, etc.).







Waste Water Treatment Plants (WWTP)

Tedagua develops primary, secondary and tertiary treatments processes according the characteristics of the discharge to obtain quality water required in each circumstance, suitable for dumped into a fluvial channel or subsequent reuse.

Tedagua has the expertise and equipment to treat any type of urban and industrial wastewater. It has successfully implemented number of plants (or systems) for this purpose.

The research and development department of Tedagua is dedicated to optimizing processes for water reuse and optimizing energy consumption.

In addition, this department studies and identifies the most suitable advanced technology solutions.







Waste Water Reuse Plants

Tedagua has developing waste water reuse plants both urban and industrial (congenital waters produced in oil field exploitation) for regeneration and subsequent reuse for irrigation and other industrial processes.







Industrial Process Water Treatment Plants

In recent years, Tedagua has significantly strengthened its industrial water division by designing and building water treatment plants for the different industrial sectors such as petrochemical industry, food industry, livestock industry and energy production industry (water treatment plants for combined cycle and biomass power generation plants).





Water Networks & Auxiliary Works

Tedagua develops all types of hydraulic infrastructures such as intake works, pumping stations, sanitation of sewages, drinking water supply networks, submarine pipelines and modernization of irrigation systems.











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