

Water treatments for industrial processes

A multidisciplinary team with over 20 years of experience

Pastech is an independent company specialized in design, engineering and manufacturing of compact systems for Water Treatment for all types of industrial processes, This activity is developed in the petrochemical industry, energy - renewable

Formed by a multidisciplinary team with over 20 years of experience can offer comprehensive solutions to clients' projects. We believe that the client needs a "partner" specialized in specific activities such as the one unfolding Pastech.

Environmental Engineering

Study, design, engineering and development of facilities to treat, minimize, enhance and reuse natural resources, energy or water and waste rejection.

Water Treatment Plant:

Study, design, engineering and construction of systems or "Water Treatment Plant" for its implementation in modular form work, avoiding greater assembly time on site and defined their connections in the engineering phase.

Treatment units for drinking water production and / or demineralized water to service any type of plant.

Compact chemical dosing systems:

Study, design, engineering and construction "Compact Chemical Dosing Systems, integrated self-supporting structures or enclosures compact" Shelters ", including switching and control of dosage and storage tanks chemical.

Systems designed for very precise chemical dosage required in power plants in their channels of water-steam cycle and cooling towers.

Sampling and analysis systems

Study, design, engineering and construction of "Sampling and Analysis Systems", integrated racks, self-supporting structures or shelters where they are equipped Conditioning Systems Samples from various parts of the process conditions of high temperature and pressure, as well as continuous analyzers to measure the parameters necessary for the proper functioning of the process and proper preservation of the main equipment.

Project References executed

- Abener, PS20 (Sevilla), 2007
- Técnicas Reunidas, CTCC-PEAKER 4 (Escatrón), 2007
- Cobra-Sener: CT-ANDASOL-1 (Granada), 2007-08
- Cobra-Sener: CT-ANDASOL-2 (Granada), 2008-09
- Cobra-Sener: CT-EXTRESOL-1 (Badajoz), 2009
- Cobra-Sener: CT-EXTRESOL-2 (Badajoz), 2002-10
- Bemco / IDOM-Iberdrola, Fujairah Plant. (UAE). 2007.

Water treatments

Treatment units for drinking water production and/or demineralized water to service any type of plant





- Iberdrola: CTCC-MESAIEED. (Qatar) 2008-09.
- Abener, PS-SOLNOVA-1 (Sevilla). 2008
- Abener, PS-SOLNOVA-3 (Sevilla). 2008
- Abener, PS-SOLNOVA-4 (Sevilla). 2009
- Abener, PS-EUREKA-5 (Sevilla). 2008-09
- Cobra-SUEZ, CTCC-LARES (Portugal). 2009.
- Cobra-SUEZ, CTCC-MEJILLONES (Chile). 2009.
- Seridom. CT-LA RISCA (Badajoz). 2009.
- Seridom: CT-MAJADAS (Badajoz). 2009.
- Acciona: CT-PALMA DEL RIO-2. 2009.
- Acciona: CT-PALMA DEL RIO-1. 2010.
- Iberese: CT-LEBRIJA (Sevilla). 2009.
- COBRA-INITEC: CT-MANCHASOL-1. 2010.
- COBRA-INITEC: CT-MANCHASOL-2. 2010.
- COBRA-SENER: CT-VALLE-1. 2010.
- COBRA-SENER: CT-VALLE-2. 2010.

Pastech designed and manufactured by Acciona Solar Power Plant Dosing System Chemical boiler water-steam cycle in the form of "turnkey." System capable of remaining in continuous operation for 365 days a year, including stops and starts, automatically.

The system design has taken into account that may occur frequent overnight stops, starts with the corresponding post. The equipment is designed to operate manual, automated, local and remote control through the PLC system operation.

Legacy systems were as follows:

- Dosing ammonia and carbhidracida in the discharge of condensate pumps to maintain the pH and oxygen content in the condensate within the design values established for water supply to the deaerator.

- Dosing ammonia and carbhidracida in the feed water to maintain the pH and oxygen content in feed water and steam within the range set by the manufacturers of boilers and turbines.

- Dosing ammonia supply demineralized water to the condenser to keep the pH within the range set.

- Dosing trisodium phosphate to boiler water to precipitate and remove the potential sales that may come to the ring by capacitor failures and other equipment, maintaining the boiler water quality according to criteria established by the manufacturer directly.

- Dosing corrosion inhibitor to reduce the corrosive demineralized water cooling circuit and passive components of boiler metal surfaces of the circuit.

Solar thermal power plants made for Acciona:

- Acciona: CT-LA RISCA (Badajoz). 2009.
- Acciona: CT-MAJADAS (Badajoz). 2009.
- Acciona: CT-PALMA DEL RIO-2. 2009.
- Acciona: CT-PALMA DEL RIO-1. 2010. ■



ISO 9001

Pastech guarantees the ISO 9001 certification in all of his products



www.pastech.es