Water Treatment Solutions

For Municipalities | Municipal Enterprises of Water Supply and Sewerage| Public Utility Enterprises | Military

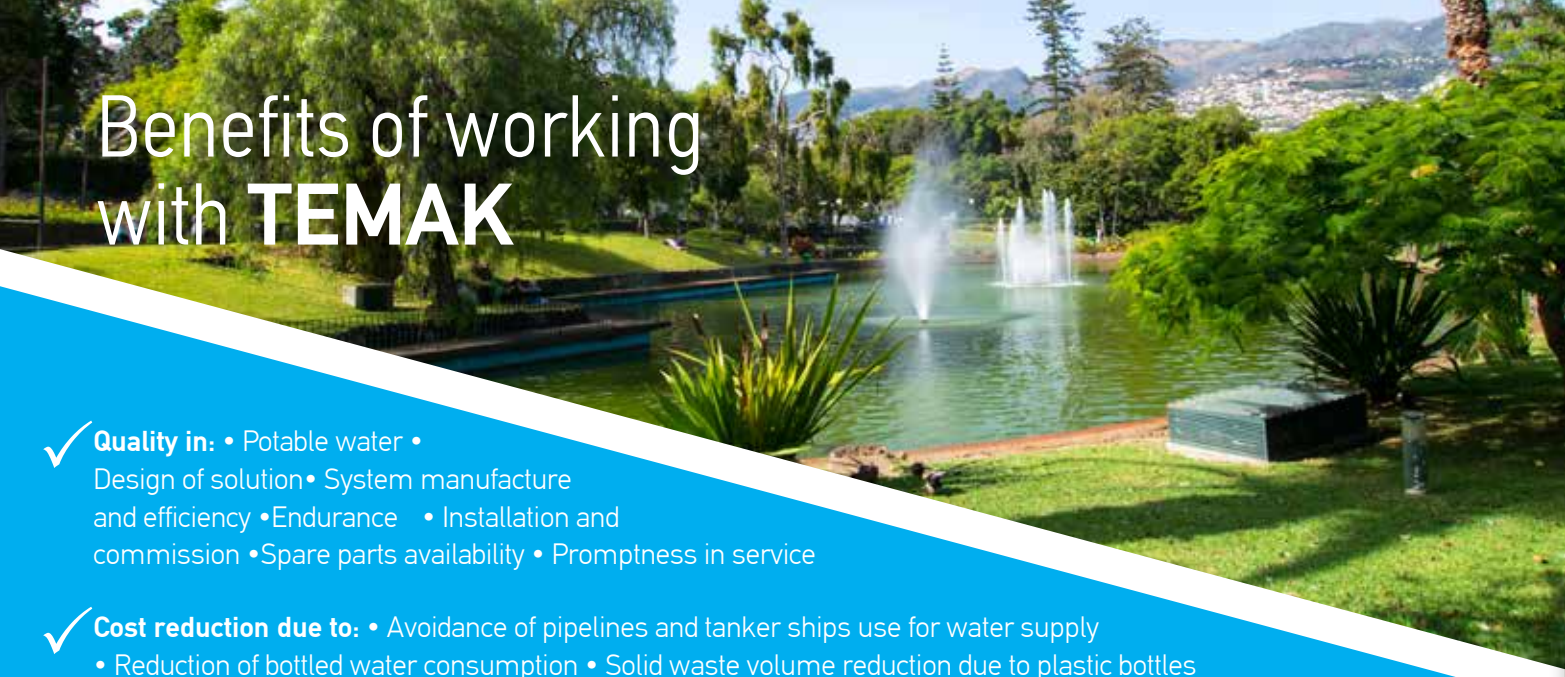
Best City AWARDS 2018
GOLD

ENVIRONMENTAL AWARDS 2018
SILVER

مبادرات محمد بن راشد آل مكتوم العالمية
Mohammed Bin Rashid Al Maktoum Global Initiatives
SECOND PRIZE

TEMAK®
TOTAL WATER SOLUTIONS

Benefits of working with **TEMAK**



- **Quality in:** • Potable water • Design of solution• System manufacture and efficiency •Endurance • Installation and commission •Spare parts availability • Promptness in service
- **Cost reduction due to:** • Avoidance of pipelines and tanker ships use for water supply • Reduction of bottled water consumption • Solid waste volume reduction due to plastic bottles • Water supply network protection from corrosion or salt scaling
- **Protection from failures and wear & tear:** • Hydraulic installations • Piping • Electrical devices • Sanitary ware • Water heaters electric resistance • Radiators • Hot water boilers • Dishwashers and washing machines • Other installations
- **Moreover:** • 24-7 quantity sufficiency all year round • Maintenance of trees, plants and grass, healthy and with vivid colour • Environmental protection, deploying available water and energy resources • Rational use (saving consumption) of available and reject water • Potential of operation and maintenance by our experienced staff

Municipality of Hydra

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Municipality of Kefalonia
The largest brackish water desalination plant in Greece producing 10.000 cubic meters potable water per day

Appropriate Water Treatment Solutions mean **Efficiency & Economy**

Water, as an economic and social good, is a central pillar of the growth of a local economy. Excellent water quality is inextricably linked to the development of the primary, secondary and tertiary sectors, contributing as well to the improvement of the residential development of a settlement.
TEMAK, as a company with many years of experience in design and manufacturing of water treatment systems, provides the best solutions to the individual needs of each Municipality and Municipal Enterprise. TEMAK continues to work with consistency and responsibility, delivering innovative water treatment proposals and meeting the essential needs of each municipality, through continuous efforts and contributions to improve the local conditions of each municipality.

Water desalination with reverse osmosis method

TEMAK provides complete water solutions for brackish and sea water desalination as a result of its enduring experience, its successful constructions, the large number of satisfied customers and its specialized and perfectly trained staff. TEMAK's systems produce water that is of high quality, clean, healthy, potable and generally suitable for any use. Each case is studied and designed separately based on the quality of available water and the desired daily output. Salts, micro-organisms, organic substances, odours, chlorine, particles, ammonia and other harmful elements are removed from water.

TEMAK Water Treatment Systems are complete, portable, reliable and easy to install, state-of-the-art, equipped and tested.

Brackish Water Reverse Osmosis System 30m³/day

BrackishWater Reverse Osmosis System 700m³/day

Sea Water Reverse Osmosis System 350m³/day

« Being faithful to its vision, TEMAK will continue to sign precious projects for life, supporting the efforts made by Municipalities and Municipal Enterprises to ensure Water of Adequate Quantity and Excellent Quality for their citizens. »

Filtration for Water Supply Systems

The filtration method removes suspended solids and other pollutants. TEMAK's automatic pressure and rapid sand filtration systems offer an instant solution to the issues of water turbidity and removal of iron, manganese, organic matter. Types for all hourly water supplies are available.

Bag Filters

Cartridge Filters

Rapid Sand Filtration

Chlorination - Disinfection

TEMAK's chlorination systems ensure complete water disinfection and oxidation of its undesirable components by inactivating bacteria and pathogens.

Metering Controlers & Dosing Pumps

Automatic Chlorination System

Ultra Violete Disinfection

Hydraulic Equipment

TEMAK is specialized in selecting and implementing of various components of a network, while at the same moment has developed partnerships with the most important international companies for import and distribution in the Greek market.

- Butterfly valves
- Ball valves
- Non-return valves
- Electric motors
- Air motors

Valves with Pneumatic & Electrical Motors

Water Kiosks

TEMAK's water kiosk is definitely the ideal solution for providing potable water in neighborhoods, villages and schools. It is a fully automated water treatment system designed to provide fresh, clean potable water ready for consumption.

Portable Desalination Unit

TEMAK's portable desalination units are state-of-the-art systems for brackish or sea water treatment. The systems are characterized by ergonomic placement and installation of the whole equipment (feed water pumps, high-pressure pumps, pressure filters, R/O membranes, control panel, measurement instruments, etc.) in containers. These units have many advantages in transport, installation, operation, etc. and they are an ideal solution for every municipality, meeting the needs of the citizens in sufficient quantity and excellent quality of potable water.

Chemical Additives

TEMAK, having the knowledge and experience, supplies the appropriate chemicals, which are necessary for the pre-treatment, post-treatment and chemical purification of reverse osmosis membranes. The right choice of chemicals influences factors that contribute to the economical operation of the desalination unit, such as protection and longevity of the equipment, efficiency maximization, water and energy consumption reduction.

- Top quality - reliability
- Competitive prices
- Short delivery times
- Material availability
- Support in funded programs
- Appropriate selection of materials
- Consultation on system improvement
- Consultation on project studies/new installations
- Compliance with international regulations
- Technical support
- Fast service

Since 1980, TEMAK has been at the side of local communities covering their needs with reliability and consistency, having a full range of certified water treatment products. Thanks to the systems manufacture in Greece and the high expertise of its specialized staff, TEMAK is able to offer total water treatment solutions, from study and design to manufacture and installation of required systems.

The 800.000 m^3/day of clean potable water or water for general uses, produced daily from TEMAK's installed systems in Greece and 30 abroad countries, constitute the proof of our experience and know-how in water treatment.

TEMAK®
TOTAL WATER SOLUTIONS

WATER VALUE AMBASSADOR
• ATHENS 1980 •

ISO 9001 ISO 14001 ISO 45001 ISO 50001 ISO 22000 ISO 22301

62, Tatoiou str., GR 136 77, Acharnes (Menidi), Athens, Greece
+30 210 2581 583 +30 210 2533 989 info@temak.gr www.temak.gr