



ТЕМАК®

THE COMPANY

TEMAK is a Greek company operating in the **Water Treatment Systems** and **Fluid Control Equipment** markets.

Since 1972, **TEMAK** has built an excellent reputation, by fulfilling its **MISSION** to supply the highest quality and solutions in:

- ⇒ **Water Treatment Systems** both in Greece and Internationally
- ⇒ **Fluid Control Equipment** in the Greek market

TEMAK contributes to Greece's economic growth by improving the quality of life in an environmentally friendly way.

We strive every day towards our **VISION AND GOAL** to:

- ⇒ Be the ideal partner for our customers, providing them with the best solutions.
- ⇒ Offer **TEMAK's employees** the opportunity to develop and achieve personal satisfaction by providing training and a harmonious working environment.
- ⇒ Attain recognition in the **community** for the company's code of ethics and its employees' professionalism, through the relationships we develop with people, whose lives and needs are affected by **TEMAK's** activities



MODERN FACILITIES

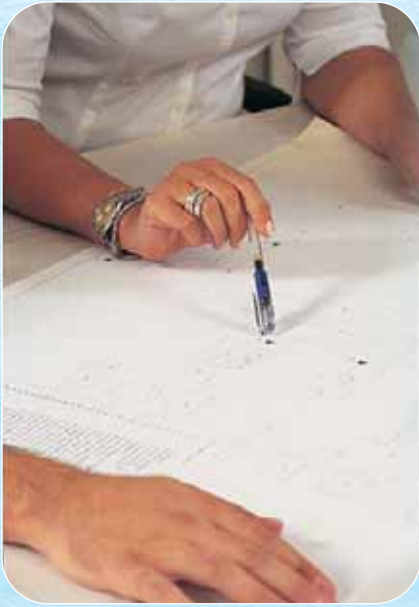


Premises 5.000m²
ACHARNAI (MENIDI) ATHENS



Premises 2.600m²
THESSALONIKI - NORTH GREECE

OUR HISTORY



TEMAK was founded in 1972 in *North Greece* and soon obtained a *Leading Position* in the water treatment market. From the beginning of the '80s **TEMAK** expanded its activities also to *Southern Greece*, occupying her first premises in *Athens*.

The company mission statement was and still remains "*supply quality products and services to fulfill the clients' needs*" thus led to an expansion in the scope of services to cover the fluid control equipment, first for *steam networks* and then for *every fluid*.

In the beginning of '90s, **TEMAK** is in full growth and renovates its infrastructure with the construction of new and modern facilities in both Athens and Thessaloniki. Meanwhile, its own technological advances, know-how and experience in water treatment helped the company to be at the international forefront.

In 1995, the company added the *Chemical Additives* to the range of water treatment products & services, so as to become an one-stop shop for clients.

At the dawn of the 21st century **TEMAK** was certified according the *ISO 9001/2008* international standard, endorsing its already accepted principle: "*Total Quality and Reliability*".

In the year 2005, the company started to export its own desalination plants to Middle East countries, such as United Arab Emirates, Syria, Saudi Arabia, Oman, Europe (Romania, Bulgaria, Cyprus), and Africa (Djibouti, Nigeria).

In 2007, **TEMAK** took methodical and well prepared actions and invests in privately owned building facilities that occupy a total area of 7.600m² in Athens and Thessaloniki. They include offices, storage areas, design rooms, manufacturing & assembly facility, as well as space for the exhibition and display of the new products and technologies.

In 2008, **TEMAK** received the *CE MEDICAL* international certification for hemodialysis water treatment systems.

In 2011, by applying an environmental code pertaining to all its activities, the company fulfilled the requirements specified by the *ISO 14001/2004* standard for an environmental management system, and it is certified accordingly.

TEMAK has for years developed and maintained stable, permanent and strong links with its clients: Industry, Hotels, Municipalities, Public Organizations, Hospitals, Greenhouses, Shipping companies, Technical and Consulting Companies, Electrical Power Stations, private individuals and so on.

TEMAK, being today a well established company and a full services provider in the field of water treatment systems, has all the necessary means at its disposal to continually develop its clients' network and always offer them ideal & responsible solutions!

OUR PRINCIPLES

Focus on Customer needs - Respect the environment...

TEMAK's successful course is due to the "*total quality concept*" pertaining to our relations with *customers, personnel, partners* and the *environment*.

For the Customers

TEMAK's competitive advantage is secured by the *way* we approach *customer's requirements*.

- ⇒ The optimal solution is designed from the very beginning based exclusively on the customer's specifications and capabilities.
- ⇒ Each project is executed on a highly professional basis, at all stages : Design, manufacture, install, follow up and after sales support.

With skilled service and efficient technology, **TEMAK** offers industrial and commercial customers one source for end-to-end water treatment solutions, tailored to each customer's needs. Going beyond just water treatment **TEMAK** offers custom-engineered, modular solutions to improve your business and profitability.

For our Personnel

TEMAK philosophy is to achieve the best possible Market records relying on a team of engineers and technicians who are :

- ⇒ Continuously educated and trained on the latest technology developments.
- ⇒ Working under professional circumstances encouraging the development of their skills and progress.

We are proud to claim that we are not just trained and well-performing individuals, but rather a team of specialists continuously striving to produce the most advanced products and solutions for the world's water problems.





For the Environment

TEMAK's presence and activities are greatly contributing to:

- ❖ Innovative solutions to utilize natural resources in a way that minimize any unnecessary waste and are sustainable and environmentally friendly.
- ❖ Application of international regulations and strict control of their implementation.
- ❖ Further improvement of specifications, thus setting new quality standards.

In order to implement this philosophy and principles of operation, *TEMAK* invests significant resources annually on new technologies and infrastructure facilities. Furthermore, *TEMAK* cooperates with some of the most advanced international companies and centers of innovations, thus rapidly incorporating and upgrading any new improvement to our technology and know-how.

TEMAK is Certified by ISO 9001:2008 and ISO 14001:2004.

ORGANIZATION

TEMAK's organization and operation comply with the most modern management techniques and practices, in order to be responsive, flexible and serve efficiently the market.

INTEGRATED

AND RESPONSIBLE SOLUTIONS

In today's era of constant change, where the needs are becoming more and more complex and success is based on productivity, efficiency and quality, **TEMAK** meets these challenges and adds value to the customers' investments.

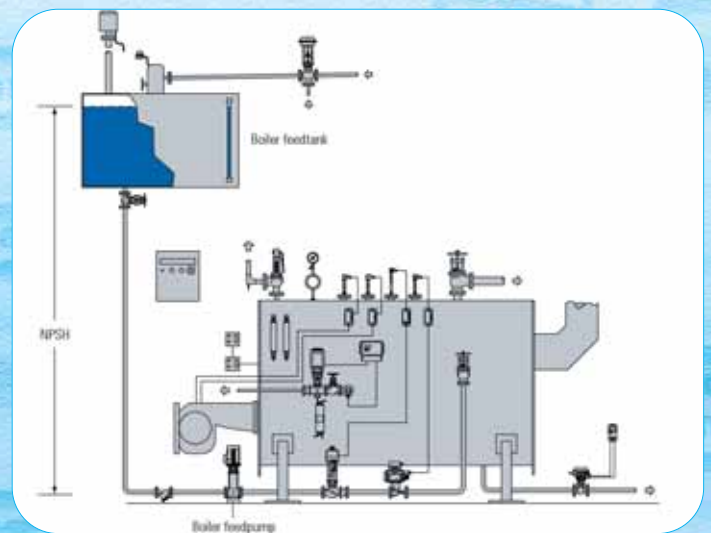
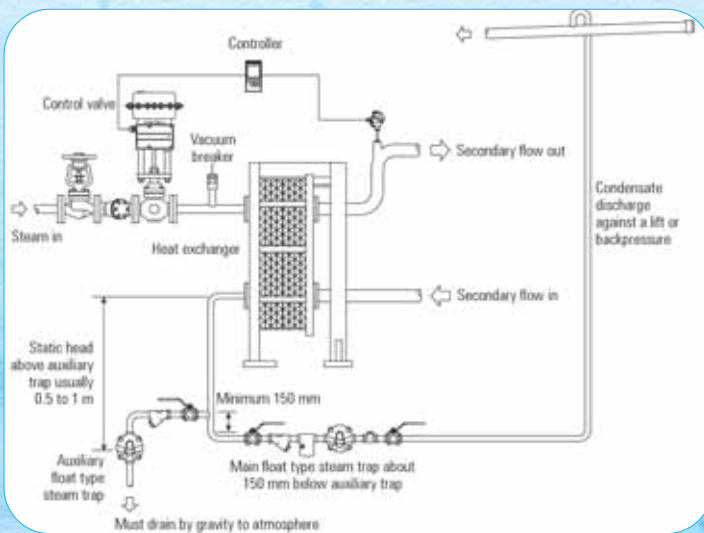
The goal is accomplished by resolving existing problems reducing the operational cost through highly profitable investment proposals, offering trustworthy and efficient solutions and securing the client's trust.

TEMAK studies, designs, manufactures, installs and supports water treatment systems from every water source (mains supply water, surface water, sea water and recycled water).

TEMAK also undertakes to the protection of steam and cooling systems from scaling, corrosion, biological fouling etc by producing chemical water treatment additives of high quality and strict specifications.

TEMAK supplies the market with all the necessary equipment devices and components for steam – water – fluid distribution networks.

In summary, **TEMAK** offers integrated and responsible solutions that contribute greatly to our customer's development and profitability.



FLUID CONTROL EQUIPMENT

MOVING

FORWARD TO THE WORLD

TEMAK holds the leading position in the Greek market for the supply of water treatment systems and a considerable position in fluid control equipment.

TEMAK achieves an appreciable annual turnover with a logic profit which enhances our development and keeps our growth curve continuously ascending.

TEMAK has also established international sales activities worldwide in Europe (Cyprus, Romania, Bulgaria, Albania, Croatia), Africa (Djibouti) and the Middle East (UAE, Saudi Arabia) where significant needs in water treatment exist. Additionally, **TEMAK** continues to emerge to countries in North Africa (Tunisia, Morocco, Algeria) and the Persian Gulf (Oman, Qatar, Kuwait) with products to last.



WATER TREATMENT SYSTEMS

WATER TREATMENT SYSTEMS

REVERSE OSMOSIS

☞ Desalination

- Brackish water
- Sea water

☞ Water for:

- Potable and general use
- Special applications
- Boiler's feed
- Irrigation
- Final stage of biological water treatment
- Protecting pipes and equipment from scaling
- Ultra pure water production
- Ice production



Reverse osmosis

FILTRATION

Removal of turbidity, suspended solids, iron, manganese and of other impurities

ION EXCHANGE

Softening, Deionization, Dealkalization, Demineralization

DISINFECTION

Chlorination, Ozone and Ultra Violet (UV)

CHEMICAL ADDITIVES for:

- Steam boilers of low and high pressure
- Water boilers
- Closed recirculation systems of cold or hot water
- Open recirculation systems of cold or hot water
- Installations of reverse osmosis' membranes or nanofiltration



Automatic deionizers



Automatic softeners



Disinfection systems



Filters

APPLICATIONS

INDUSTRY

POWER PLANT

HOTEL

BUILDINGS AND RESIDENCE

PHOTOVOLTAIC SYSTEM

MUNICIPALITY & PUBLIC ORGANIZATION

GREENHOUSE

MICROELECTRONIC

HOSPITAL & CLINIC

HAEMODIALYSIS

MARINE SECTOR

SPECIAL APPLICATIONS

FLOW CONTROL

EQUIPMENT



INDUSTRIAL SERIES VALVES

- Butterfly valves resilient seated
- Butterfly valves Hi-performance (high pressure/temperature)
- Ball valves
- Knife gate valves
- Check valves
- Special valves for chemicals (butterfly, ball, globe etc)



- Actuators (pneumatic, electric or hydraulic)
- Accessories (limit switches, solenoid valves, positioners, converters etc)
- Pneumatic or electric control valves
- Pneumatic or digital controllers - recorders (for pressure - temperature - level etc)
- Pilot operated hydraulic valves



SAFETY VALVES

- Safety valves for steam, gases or liquids
- Special valves for corrosive chemicals (fully inox or teflon lined)
- Safety valves acc ASME or API526
- Safety valves pneumatically controlled
- Accessories for safety valves (bursting discs etc)



STEAM OR THERMAL OIL NETWORK'S EQUIPMENT

- Steam traps of all types
- Pressure reducing valves
- Control or on-off valves (two-way or three-way)
- Condensate separators
- Manual globe valves
- Boiler's equipment



HEAT EXCHANGERS

- Plate type heat exchangers
- Tube and shell heat exchangers



PROJECTS & APPLICATIONS

INDICATIVE DESALINATION UNITS

MUNICIPALITIES & PUBLIC ORGANIZATIONS IN GREECE		m ³ /day
Water Supply and Sewerage Co Ermoupolis	SW	2.000
Municipality of Thira	BW	1.200
Municipality of Poros	BW	1.000
Water Supply and Sewerage Co of Chios	SW	1.000
Association of Posidonia's Municipalities (2 x 500)	SW	1.000
Municipality of Nisiros (300+2x350)	SW	1.000
Municipality of Erissos (500+200)	SW	700
Municipality of Ano Siros	SW	250 and 500
Community of Elafonisos	BW	500
Water Supply and Sewerage Co of Stira	BW	430
Municipality of Falaisia	BW	300
Community of Kiriaki	BW	224

HOTELS IN GREECE		m ³ /day
Blue Lagoon, Kos	BW	1.350
Porto Hydra, Crete	BW	750
Blue Palace, Crete	BW	520
Hellas Holiday S.A., Crete	SW	400
Sunwing Hotel, Crete	BW	400
Club Mediterrane, Evia	BW	400
Ostria Beach, Crete	BW	350
Ixian Hotel, Rhodes	BW	346
Miramare, Crete	BW	350
Candia Castle, Nafplio	BW	250
Alexander Beach, Crete	BW	250
Alkion Hotel, Korinthos	BW	230
Kinetta Beach, Kinetta	BW	230
Iria Mare, Nafplio	BW	200
Domes Of Elounda, Crete	BW	200
Minos Mare, Crete	BW	150
Konstantinos Palace, Karpathos	SW	100

POWER PLANTS IN GREECE		m ³ /day
Public Power Co (North Greece) 18.2MΩ	BW	1.200
Terna S.A. (Heron II Ind.) (2x243) 18.2MΩ	BW	486
Public Power Corporation, Rhodes	SW	960

INDUSTRIES		m ³ /day
Amylum Hellas, Greece	BW	960 and 1.080
Starfoods (Pepsico International), Romania	BW	720
Emirates Water Technology, UAE	SW	
Containerized Systems of 100, 200, 300 and		600
Kouros Charilaos, Greece	BW	528
Fresh Company, Albania	BW	525
Chatzioannou, Greece	BW	380
Soya Mills, Greece	SW	330
Kyknos S.A., Greece	BW	25
Elais Unilever S.A., Greece	BW	276
Neorion Syros Shipyards, Greece	SW	150 and 250
Elsap S.A., Greece	BW	250
Alimentary Provision, Greece	BW	250
Taisei, Djibouti	SW	200
Chronos, Syria	BW	
Systems of		100 and 200
Soya Hellas S.A., Greece	BW	190
Liberta S.A., Greece	BW	180
Porceramico Plus LTD, Cyprus	BW	
Systems of 50, 100 and		120

INDUSTRIES IN GREECE		m ³ /day
Ktistor S.T.A.		
Photovoltaic Systems ultra pure water 18.2MΩ	BW	92
Famar S.A. purified water	BW	118
Gerolimatos, Genepharm, 3E(Coca-Cola), Neochimiki Group	BW	

INDICATIVE FILTRATION UNITS		m ³ /day
Hellenic Aerospace, Greece		2.400
Community of Kiriaki, Greece		100
Flour Mills of Nigeria		1.920
Water Sup. & Sewerage Co, Thiva, Greece		720
Municipality of Leonidio, Greece		720
Municipality of Vion, Greece		960
Municipality of Thisvi, Greece		720
Municipality of Dafni Erithres, Greece		600
Minerva S.A., Greece		480
Hospital of Rio, Greece		480
Municipality of Patmos, Greece		1.920
Municipality of Therapna, Greece	480 and	1.440
Municipality of Karlovasi, Greece		816
Municipality of Monemvasia, Greece		600

OTHER WATER TREATMENT SYSTEMS AND FLUID CONTROL EQUIPMENT IN GREECE			m ³ /hour
3E (Coca Cola)	Softener		135
Biofresh S.A.	Twin Softener		46
G.Kalimanis	Twin Softener		46
G.H at Zakynthos	Twin Softener		36
Chalkor	Twin Softener		15
Vianex	Deionizer		16
Metaxa	Deionizer		10
Kopais	Softener		20
D.Nomikos	Softener		20
TITAN Cement, FAGE S.A.,	Softener		

STEAM NETWORK EQUIPMENT IN GREECE

Gen.Hospital at Chania
 Gen.Hospital of Evaggelismos
 Gen.Hospital of Kalamata
 Gen.Hospital of Chaidari
 St.Andreas G.Hospital of Patras

FLUID CONTROL EQUIPMENT IN GREECE

Hellenic Petroleum PPC Company	Valves, Heat Exchangers Valves
METKA, TERNA, AKTOR	Valves, Safety Valves, Exchangers
Shipping Companies – Euronav Ship Mng, Capital Ship Mng, Thomasos, Eletson Corp, Enterprises Shipping & Trading, Tsakos, Top Tankers, Cardiff-TMS, Minerva Marine, Thenamaris, C.M.M., Aegean Oil	Valves (pneumatic, electric), Heat Exchangers

INDICATIVE PROJECTS & APPLICATIONS



AMYLOUM/GREECE

Reverse Osmosis 1.080 m³/day and 960 m³/day



FLOUR MILLS/NIGERIA

Filtration (iron and manganese removal) 1.920 m³/day



MUNICIPALITY OF POROS/GREECE

Reverse Osmosis 1.000 m³/day



WATER SUPPLY AND SEWERAGE CO OF ERMOUPOLIS/GREECE

Reverse Osmosis 2.000 m³/day



PUBLIC ELECTRICAL ENTERPRISE OF RHODES/GREECE

Reverse Osmosis 960m³/day



PEPSICO/ROMANIA

Reverse Osmosis 720 m³/day



HOTEL PORTO HYDRA/GREECE

Reverse Osmosis 750 m³/day



YAS ISLAND/UAE

Reverse Osmosis 600 m³/day



MUNICIPALITY OF LEONIDIO/GREECE

Filtration (iron and manganese removal) 720 m³/day



FRESH COMPANY/ALBANIA

Reverse Osmosis 525 m³/day

PRODUCTS - SERVICES

Providing highest quality products

During four decades of presence and development in the market, **TEMAK** has created a complete and integrated package of products and services which covers totally the needs of our customers in water treatment and fluid control equipment.

In Water Treatment, **TEMAK** manages projects of filtration, softening, dealkalization, deionization, reverse osmosis, ultrafiltration, disinfection (chlorination, ozone, UV), dosing and control and water treatment chemicals.

TEMAK also supplies equipment for fluid control, including: industrial valves, automation systems, steam work components, heat exchangers.

TEMAK is not only a supplier, but her customer's ideal partner as it provides consultancy, support and know-how, training of the customers' on-site personnel detailed instructions on installation, operation and maintenance of the equipment.



KEEPING OUR CUSTOMERS

SATISFIED



TEMAK offers products and services to cover an extensive range of business sectors of the market. We have the expertise to correctly identify the necessary water treatment system according to the application.

➔ ***Industry and Tourist Industry***

Water Treatment Systems, desalination, softening, water filtration, disinfection, swimming pools, fluid control equipment.

➔ ***Marine Industry***

Sea water Desalination Units, other water treatment systems, components for steam and other fluid networks.

➔ ***Municipalities, Local Organizations and Public Organizations***

Water filtration, desalination, iron, manganese and arsenic removal, softening, disinfection, valves for main water supplies and waste disposal networks.

➔ ***Large Construction Companies – OEMs***

Water Treatment Systems, Fluid Control Equipment

Every market sector has enjoyed the quality of **TEMAK**'s products and services. Most important, **TEMAK** maintains with all its customers long-term and stable relationships, regardless of their size and sales volume.

Among the market sectors served included are:

- ➔ Public Corporations (Electrical Power Production, Telephone Company, etc)
- ➔ Hospitals and Clinics (Public and Private)
- ➔ Industrial Plants (Power Plants, Refineries, Food and Beverage, Metalworks, Paper Mills, etc)
- ➔ Hotels
- ➔ Buildings and Residences
- ➔ Municipalities
- ➔ Shipping Companies

INVESTMENTS

The core of **TEMAK's** philosophy is to have and maintain a completely satisfied customer. To this end, **TEMAK** focuses on investing in continuous improvement of technology, facilities and human resources.

PREMISES – INFRASTRUCTURE

TEMAK is situated on self-owned premises 5.000m² in Athens and 2.600 m² in North Greece, comprising of Head Offices, Sales and Technical Department, Construction, Service and Warehouse Facilities, Training and Seminar rooms and ample parking.

In the show room in Athens, customers can view products and be guided by experienced personnel.

Infrastructure facilities also include:

- ❖ Real time Logistic Warehouse Systems for the Sales department and the Warehouse
- ❖ State-of-the-art computer systems (ERP, CRM)
- ❖ Chemical and testing laboratories for quality control of the products
- ❖ Manufacturing equipment for the Construction department
- ❖ Mobile units fully equipped for customers' service on site.

TEMAK considers top priority the prompt execution of orders and the rapid response to service calls. For this reason it maintains a fleet of mobile service trucks to cover onsite repairs.

HUMAN RESOURCE

"Our staff is our most valuable asset" and with this in mind, **TEMAK** is always striving to improve working conditions for its employees and secure their continuous training and education on every new technology.

TEMAK's workforce is more than 70 employees, engineers (40%) technicians (40%) and administrative personnel (20%). More than 60% of them hold a University degree and the rest are Middle and Upper Education graduates with many years and a lot of experience in their field.

In addition, **TEMAK** maintains a constant cooperation with specialists, technical, legal and business consultants in Greece and the international marketplace.





THE FUTURE

Facing challenges and opportunities

After almost four decades of continuous growth and development, **TEMAK** faces the challenges of the future with an optimistic outlook. Its history, philosophy, personnel, and experience all point to the best prospects for the years to come.

TEMAK has every prerequisite not only to keep and improve its leading position in the Greek Market, but to lead the way as in Greece and also abroad.

TEMAK is moving forward, driven by the ambition to dominate in the International Market Place.

To conclude, by broadening continuously our products & services, improving our manufacturing techniques in connection to Universities and Research Centers, we are willing to contribute to better quality of life while respecting the environment and participating in country's development.

Our products and services as well as all processes take place under exacting quality and environmental control assured by ISO 9001:2008 and ISO 14001:2004.

ATHENS

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