



TEMAK[®]

01 #

december 2014

news edition

oloi mazi*

* "oli mazi" means all together in greek language

www.temak.gr

projects

COMPLETED
WITHIN 2014

.....●
subject

RO – T4: NEW REVERSE
OSMOSIS
CONTROL PANEL

Contents



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03

COMPANY PRESENTATION

2014: INDICATIVE DESALINATION PROJECTS.

04

PROJECTS

10

TOPIC

RO – T4: NEW REVERSE OSMOSIS CONTROL PANEL.

11

TOPIC

TEMAK IN 18 PREFECTURES OF GREECE WITH 30 VENDING POINTS.

12

TOPIC

TEMAK WATER KIOSK FOR CLEAN WATER... EVERYWHERE.

13

EXHIBITIONS

PROJECTING DYNAMICALLY OUR VISION INTO THE INTERNATIONAL AND GREEK MARKET.

**SINCE 1972 WE CONTRIBUTE TO OUR COUNTRY'S
DEVELOPMENT AND LIFE IMPROVEMENT**

2014: Indicative TEMAK desalination plants

In order to offer integrated and reliable systems for the production of clean and drinking water, we develop innovative & inventive solutions by implying new technologies.

TEMAK SA is 100% Greek company with the scope to study, design, manufacture and operate water treatment systems. The company is certified by **ISO 9001:2008 and ISO 14001:2004**. Since 1972, we have excelled in the Greek market, realizing our mission which is to offer successfully:

- Solutions with high quality water treatment systems, all over Greece but also abroad, winning a respectable position in the international market.
- Solutions with high quality equipment for the fluid networks, winning one of the top positions in the Greek market. Thus, we contribute in our country's development and in the quality of life improvement, in a manner friendly for the environment. Our successful efforts bring us every day closer to our VISION and GOALS of:
 - ◆ Become the ideal partner for our clients, giving them the optimum solutions.
 - ◆ Our personnel to progress and feel satisfied from the possibilities offered for personal development and professional recognition.
 - ◆ The society to recognize our worth and the value of our staff, through the relations created and supported with the people, whose lives and needs are affected by our company's activities.

Indicatively some of our projects completed in 2014 are listed below. ≡



Indicative desalination plants in 2014

South Aegean region, Koufonissi: 600m³/day drinking water from sea

In November 2013 the equipment was transported and installed in the island. In November 2014 the system was set in full operation, after the completion of civil works by the Municipality.

Country	Greece
Client	Koufonissi
Daily capacity	600m ³
Feed water	Sea
Quality of product water	Drinking



Municipality of Naxos and Minor Cyclades, Schoinousa: 400m³/day drinking water from sea

In July 2013 the system was delivered temporarily and in August 2014 was set in full operation, after the completion of necessary infrastructure, being Municipality's obligation.

Country	Greece
Client	Schoinousa
Daily capacity	400m ³
Feed water	Sea
Quality of product water	Drinking



Municipality of Hydra: 1.600m³/day (2 x 800m³/day) Drinking water from sea

In September 2013 the contract to supply drinking water to the island of Hydra for 12 years, was signed up between TEMAK and the authorities of the Municipality of Hydra, as the final stage of a public tender.

The system was set in operation on 8/8/2014 and the inauguration ceremony took place on the 25/8/2014, by the Minister of Environment, Mr Maniatis.

Country	Greece
Client	Municipality of Hydra
Daily capacity	1.600m³
Feed water	Sea
Quality of product water	Drinking



Municipality of Antiparos: 600m³/day (2 x 300m³/day drinking water from sea)

In August 2014, two containerized sea water treatment systems, capacity 300m³/day each, were delivered to the contractor of the project "Antiparos Desalination" Hydrodynami ATEBE.

Country	Greece
Client	Municipality of Antiparos
Daily capacity	600m³
Feed water	Sea
Quality of product water	Drinking



Hotels in Kos and Porto Heli

In May 2014 desalination plants were installed and set in operation in two large hotels on the island of Kos, to cover the hotels' demand in water. Two months later a desalination plant also started its operation, in a well-known hotel in Porto-Heli.

Country	Greece	Greece	Greece
Client	Norida Beach, Kos	Atlantica Porto Bello, Kos	Nikki Beach, Porto Heli
Daily capacity	700m ³ (2x350m ³)	500m ³	80m ³
Feed water	Sea	Sea	Brackish, 9400ppm TDS
Product water quality	Drinking	Drinking	Drinking

- Desalination plant, total daily capacity 700m³ of drinking water, installed in the Mitsis Hotels , Norida Beach 4* in Kos, 2.500 beds.



- Desalination plant, daily capacity 500m³ of drinking water, installed in the two hotels of Atlantica group, Porto Bello Beach 5* and Porto Bello Royal 5* in Kos, 2.000 beds in total.



- Desalination plant, daily capacity 80m³ of drinking water, installed in hotel Nikki Beach 5*, in Porto Heli.



Waterboard of Thira, Akrotiri: 250m³/day drinking water from sea

The contract was signed in December 2013 and the system started operation in March 2014.

Country	Greece
Client	Waterboard of Thira
Daily capacity	250m³
Feed water	Sea
Quality of product water	Drinking



Private property in Peloponnese: 350m³/day drinking water from sea

In March 2014 a desalination plant was delivered in full operation to a private property in Peloponnese.

The plant produces water for the irrigation of the land.

The desalination plant had to be dismantled and re-assembled on the spot.

Country	Greece
Client	Private
Daily capacity	350m³
Feed water	Sea
Quality of product water	Irrigation



South Aegean Region, Chalki: 600m³/day drinking water from sea

The equipment was transported to the island of Chalki at the end of October 2013 and set in full operation at the beginning of February 2014.

Country	Greece
Client	Chalki
Daily capacity	600m³
Feed water	Sea
Quality of product water	Drinking



Al Jazira Water Treatment Chemicals, Saudi Arabia: 200m³/day drinking water from sea

A containerized sea water system was delivered in March 2014 to our partner Al Jazira Water Treatment Chemicals, based in Saudi Arabia. The desalination plant was installed in the Naval base of Jeddah, to cover the needs of the base.

Country	Saudi Arabia
Client	Naval base of Jeddah Chemicals
Daily capacity	200m³
Feed water	Sea
Quality of product water	Drinking



Advanced Oilfield Technology Co. LLC, Oman: 1,6m³/h water for kidney dialysis

Through our partner Advanced Oilfield Technology in Oman, in March 2014 we delivered a double pass reverse osmosis system, for the production of water suitable for kidney dialysis, according to AAMI and European Standards, for the Kidney Dialysis Unit of the region of Shinas in Oman. The uniqueness of the project was the stainless steel AISI316L tank and the roughness specified for all stainless steel piping and the disinfection tank. All the connections were tri-clamp, without screwed parts, in order to avoid trouble spots where microorganisms would develop. Additionally, the system is disinfected by hot water.

Country	Oman
Client	Clinic in Shinas
Daily capacity	37,6m³
Feed water	500 ppm TDS
Product water quality	According to AAMI & EU Standards



Advanced Oilfield Technology Co. LLC, Oman: 500m³/day water for drinking – MOD camp

In April 2014, via our local partner Advanced Oilfield Technology, we delivered to the Ministry of Defense (MOD) in Oman, a containerized low brackish reverse Osmosis system producing 500m³/day of water suitable for drinking purposes according to Omani Standards. The system is used to provide drinking water to their personnel at the isolated camp located inland.

Country	Oman
Client	Advanced Oilfield Technology
Daily capacity	500 m³
Raw Water	2500 ppm
Quality of Product water	Potable water according to Omani Standards



RO – T4:

New reverse osmosis control panel

Combines ease of use with the accessibility to monitor every day the system, through messages sent to the user's mobile phone.

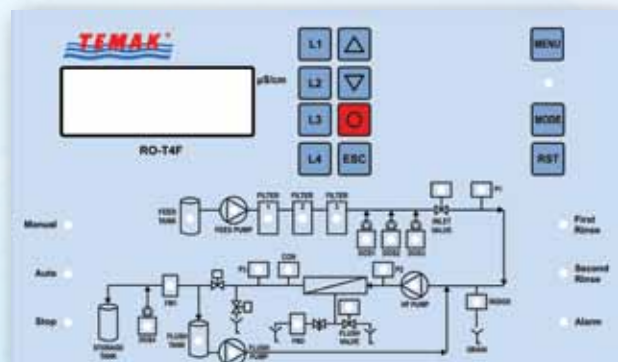


TEMAK designed and manufactured the new control panel **RO-T4** for desalination plants with reverse osmosis, to replace the previous model RO-T3.

By the new panel the daily operation and monitoring of the system becomes easier, as it is designed to automatically control and at the same time inform the user for the operation of the system, even if it is remote. The control panel can be distinguished by the high quality and advanced technology of manufacture, meant to combine the ease of use with the remote control and the instant messaging to the mobile of the user.

For optimal control by the user, there is a large and illuminated screen, a menu available in different languages and LED alarms.

The panel RO - T4 controls the backwash of the pre-treatment filters in a reverse osmosis system, the dosing systems and the post-treatment of the unit. The panel can control up to 3 groups of automatic filters with external piping. In each group, one, two or three filters can be connected in parallel. ☰



PARTNERS' NETWORK IS EXPANDED

TEMAK is present in 18 prefectures of Greece with 30 vending points

Our company, characterized by a developing and extroverting culture, has broadened her presence, through partnerships in most areas of Greece.

Specifically, we cooperate with the best professionals in 18 prefectures: Aitolokarnania, Argolida, Achaia, Dodecanese, Zakynthos, Heraclion, Thesprotia, Ioannina, Corfu, Kefhalonia, Korinth, Cyclades, Lakonia, Lasithi, Preveza, Hania and Chios.

Thirty (30) prominent shops all over Greece, display a well organized and fully equipped "TEMAK Water Corner". In this way, our clients can learn about water treatment products, buy them directly and be supported technically by our partners.

Our goal is the expansion of our network to cover all the areas of Greece. 🌊



TEMAK WATER KIOSK

Clean water ... everywhere!

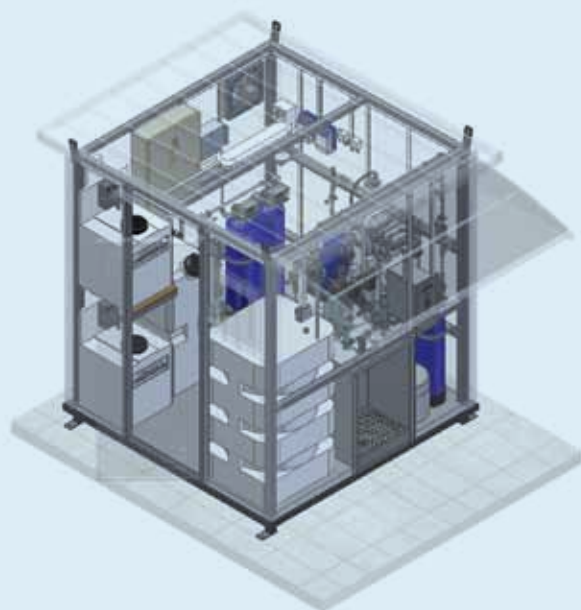
TEMAK WATER KIOSKS have been designed and developed by our company, so as to adapt to the local needs, always taking into consideration the existing infrastructure and the real parameters of the water, in each area. The operation of the kiosks is based on the technology of reverse osmosis, filtration, disinfection or a combination of all.

TEMAK WATER KIOSKS include all the equipment that make them automatic and safe for the consumers, the personnel and the environment. The systems are manufactured and ready for operation, ergonomically installed in a steel kiosk.

The benefits of the operation of the kiosks are:

- Promptly available drinking water.
- Very low cost of the water (0,10 €/l approx.).
- Saving on plastic bottles from bottled water, that burden the environment.
- Saving time to purchase and carry bottled water.

As an indication we mention the installation of 23 kiosks in various islands of the South Aegean Region (Syros, Naxos, Thira, Paros, Andros, Myconos, Milos, Leros and Karpathos) and 21 kiosks in the island of Kalymnos. 🌊



We project dynamically our vision into the Greek and International market

This year, our company took part in water exhibitions to present the technologies and solutions of our water treatment systems, as well as the applications where they have been used to this day, in Greece and abroad. 🌊



4 - 7 February 2014: Participation in the 18th International Exhibition of Russia «Aqua-Therm Moscow 2014», well-known for the water treatment, heating, cooling, bathroom appliances and swimming pool equipment.

3-6 June 2014: We were present at the International Exhibition «ECWATECH 2014», that became the meeting point of prominent water treatment companies.



6 - 9 March 2014: As a Greek company, TEMAK could not be absent from the 7th Greek Exhibition «Watertec Envirotec», specialized in Water & Environment Technologies. In this exhibition our products were displayed, giving the opportunity to visitors to see the high quality of materials and the excellent craftsmanship of our systems.

14-16 April 2014: We took part in the exhibition «WE-TEX» in Dubai, to present new products and applied solutions in water treatment. TEMAK's successful participation in 2014 in one of the biggest water treatment exhibitions in the Middle East, was the result of the trust bestowed on us by our international clients in the past few years.





**Wishes you a
Happy & Creative New Year,
With health and happiness!!!**

Blastcommunications

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