

NIKOLAOS YFANTIS

Nationality and age: Greece, 43 years old

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PROFESSIONAL EXPERIENCE

2009 -present Technical Director, SYCHEM S.A, Athens, Greece

- Water & Waste Water Treatment Projects Coordination
- Design of Desalination Units and Plants up to 50.000 m³/day
- Commercial Offers in Greece and International.
- Supervision of Technical Support Dept, Production Dept.
- Supervision of Desalination Plants Operation & Maintenance Dpt.
- Supervision of Laboratory Analyses Dept

2008 –present Member of the Board at SYCHEM S.A, Athens, Greece

- Participation in decisions regarding Human Resources and Company Organisation in SYCHEM Group of Companies (leading manufacturer of water desalination projects in Greece).

2009 –present Member of the Board at YDROMINOIKI S.A, Heraklion, Greece

- Ydrominoiki S.A is an affiliate company of SYCHEM Group, providing potable water mainly for Municipality of Heraklion by brackish water reverse osmosis desalination. Its maximum production capacity is 5.000 m³/day. SYCHEM S.A is the main shareholder represented also

2006 -2009 Technical Manager SYCHEM S.A, Athens, Greece

- Design of Reverse Osmosis Systems and close cooperation with production engineers for their assembly and construction. Key Projects: Milos Seawater Reverse Osmosis plant 3.000 m³/day and Motor Oil Refineries Seawater Reverse Osmosis Plant 1.100 m³/day.
- Preparation of Commercial Offer for Reverse Osmosis and General Water Treatment Equipment.
- Responsible for Laboratory Water Analysis Department.

2001 - 2006 Technical Department SYCHEM – S.Syriopoulos & Associates Ltd, Athens, Greece (2001-2003 part time job)

- Commissioning & Technical Support for all Water Treatment Installations, including Cathodic Protection systems.
- Laboratory Water Analysis.
- Monitoring of Water & Energy Consumption of Large Luxury Hotels.

INTERNSHIPS

1999 - 2001 Yfantis Engineering, Athens, Greece

- Performed technical surveys for Energy and Water Resources in Large Luxury Hotels.
- Basic Water Laboratory Analysis.

EDUCATION

2004- 2011 National Technical University of Athens (NTUA), Greece

- Ph.D on Chemical Engineering, NTUA (Prof.Dr.S.Liodakis)
- Ph.D Thesis: ‘Design and Operation of Desalination Units with Reverse Osmosis – Case Studies’.

1998 - 2003 National Technical University of Athens (NTUA), Greece

- **Chemical Engineer:** Master of Engineering equivalent 5 –year course, completed in 5 years
- Specialization: Material Science and Engineering.
- Thesis on ‘Study of Legionellosis in heating water circuits in European Union’ (grade 10/10). Presented at 6th International Conference SMESME (Stimulating Manufacturing Excellence in Small & Medium Enterprises) in Athens.

1997 - 1998 Democritus Thrace University, Xanthi, Greece

- Student at the Department of Electrical & Computer Engineering

1990 - 1996 Preliminary and High School studies

- Graduation Degree 17.6

Languages:

Greek mother tongue, fluent in English (Cambridge Proficiency Diploma), German (basic).

IT Skills:

Microsoft Office, Reverse Osmosis System Analysis, IMS Design, Grundfos Wincaps, Windows, AutoCAD (basic knowledge), Fortran, Hardware & Network knowledge.

Selected Publications & Memberships:

- N.Yfantis, D.Yfantis, “Design of a UF-RO combined system for wastewater reuse in Crete – A case study”, 11th International Conference on Environmental Science and Technology -2009, Chania 3-5 September 2009
- N.Yfantis, S. Liodakis, D.Yfantis, Pilot operation of a UF-RO combined system for wastewater reuse in Crete – A case study, Proceedings of 3rd Small and Decentralized Water and Wastewater Treatment Plants International Conference SWAT 2010, Skiathos, 14-16 May 2010.
- N.Yfantis, D.Yfantis, “Design of a UF-RO combined system for wastewater reuse in Crete – A case study”, 11th International Conference on Environmental Science and Technology -2009, Chania 3-5 September 2009
- N.Yfantis, D.Yfantis, G. Roupakas, S. Liodakis, Optimization of Reverse Osmosis Desalination Plants

Design - Case Studies, Proceedings of Aqua 08 Water Science and Technology Conference, Athens, 16-19 October 2008

- N. D.Yfantis, D.K.Yfantis ,A.D.Yfantis, Reverse Osmosis Energy Optimization exploiting waste heat from shallow geothermal cooling, Presented on Conference Desalination and the Environment, Halkidiki, 22-25 April 2007
- N.D.Yfantis, D.K.Yfantis, A.D.Yfantis, Assesment of Water Corrosiveness in metallic networks - Electrolytic Aluminium Dissolution as prevention method, ‘AQUA 2006 – Water Science and Technology – Integrated management of water resources, HELEXPO EXHIBITION CENTER, Athens, Greece 23 – 26 November 2006 (full text in CD)
- N. D.Yfantis , D.K.Yfantis ,A.D.Yfantis “ THE PROBLEM OF LEGIONELLOSIS RELATED TO THE HOT WATER AND CHILLER CIRCUITS – RECENT DEVELOPMENTS ” AQUA 2005:“International Conference on New Water Culture of South East European Countries) HELEXPO EXHIBITION CENTER, Athens, Greece, 21-23 October 2005”(full text in CD)
- Member of the Technical Chamber of Greece (TEE).

Selected Conferences / Seminars:

Awards:

- 2005, Thomaidio Award, NTUA.

Interests & Activities:

Dancing, Travelling, Reading about Environmental Engineering and Scientific Issues, Social Networks.