

Event:

ENERGY in BUILDINGS – Northern Hellas 2025


Date:

Saturday February 22, 2025

Place:

Thessaloniki, Macedonia - Hellas



#	Nikolaos Kalampalikis Mechanical Engineer	
Title:	Owner of WWTP Techs IKE, Athens, Greece	
email:	nkalab@tee.gr	•
Presentation title:	Recovery and Re-Use of Water from Wastewater Treatment	
<p>The presentation focuses on the treatment of wastewater and/or municipal sewage aiming at the recovery of water that can be re-used. The presentation starts with a short description of the Greek legislation for water re-use, as well as sewage mining, which is a technology for recovering wastewater from sewage not for environmental purposes, but for re-use instead. The presentation completes by presenting technologies and systems for water recovery / re-use from wastewater.</p>		
Short CV GREEK:	<p>Μηχανολόγος Μηχανικός του ΕΜΠ, ασχολείται στο σχεδιασμό, την κατασκευή, την επίβλεψη και την λειτουργία εγκαταστάσεων επεξεργασίας υγρών βιομηχανικών αποβλήτων και λυμάτων από το 1993.</p> <p>Έχει εμπειρία σε όλες τις τεχνολογίες επεξεργασίας αποβλήτων καθώς και στην τριτοβάθμια επεξεργασία αστικών λυμάτων για απεριόριστη άρδευση και επαναχρησιμοποίηση.</p> <p>Έχει συμμετάσχει σε >300 έργα με πολλά από αυτά να ακολουθούν αυστηρότατες προδιαγραφές πολυεθνικών εταιρειών.</p>	
Short CV EN:	<p>Mechanical Engineer from NTUA, involved in the design, construction and operation of industrial and municipal wastewater treatment plants since 1993.</p> <p>Experienced in all methods of treatment of wastewater as well as in the tertiary treatment of municipal effluents for irrigation and re-use.</p> <p>Has participated in > 300 wastewater treatment projects, many of which following strict corporate specifications of multi-national corporations.</p>	

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CV:

Born in Athens on 1964 attended the National Technical University of Athens, Faculty of Mechanical Engineering.

1989- 1992 Participated in POLYDOMIKI company in the sector of ElectroMechanical installation of HVAC systems.

1992-2000 Project Manager in Water and Waste Water Systems Plants of Euromarket

2000-2009 Founding member and stock owner of EURO CONSTRUCTION COMPANY SA (Environmental Protection Systems).

2009- Today: Project Manager and consultant in waste water treatment plants (EuroConstruction Company SA)

2018- Today: Owner of WWTP TECHS IKE a company that performs engineering studies, construction and supervision of industrial and municipal wastewater treatment plants.

Has more than 30 years of experience in the field, participating in various stages of wastewater treatment projects, both for various industrial sectors, as well as in the municipal sector.

The range of technologies for wastewater treatment in Mr. Nikolaos' portfolio range from simple physico-chemical treatment plants for the metal industry (flocculation-coagulation- sedimentation), up to combined anaerobic-aerobic biological treatment plant. Has worked with all variations of the activated sludge method like CAS, MBBR, MBR, IFAS, aiming not only at the safe environmental disposal of the treated effluents, but also in their re-use as use water for various purposes (irrigation, toilet flush water, etc.).