

LIFE B2E4SustWWTP (LIFE16 ENV/GR/000298)

New concept for energy self-sustainable wastewater treatment process and biosolids management



2022 - 2023



Coordinator





Project partners









Project Funded by the European Commission under the LIFE Framework Programme.





Project co-Funded by the "GREEN FUND" of Greece

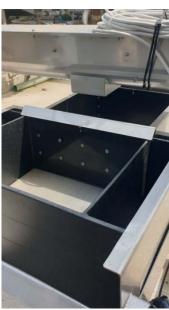
PILOT PLANT

- ✓ All mechanical and electrical parts of the pilot plant have been installed at DEYAR.
- ✓ The feeding system of the dryer has been designed, manufactured and installed at DEYAR by DEVISE. This system supplies the dryer with mixture of microsieved and secondary biosolids.



Pilot plant







Feeding system of the dryer (screw conveyors and silos, weighing/dosing container, elevator)



Gasification - energy production system

PROJECT MANAGEMENT

- ✓ Taking into account the progress of project's actions, it has been estimated that a 14-month extension would be necessary to complete the project.
- ✓ A relevant prolongation request has been submitted to CINEA, including a re-scheduling of the timeline of the project.
- ✓ CINEA approved the request, so the new end date of the project is 29/02/2024.

DISSEMINATION ACTIVITIES

Presentation of LIFEB2E4sustainable-WWTP project at the Celebrating Event of Green Fund

- ✓ On Thursday 26th of May 2022, Petros Gikas, Professor at the School of Chemical and Environmental Engineering and coordinator of the LIFEB2E4sustainable-WWTP project, presented the project at the Green Fund Event to Celebrate 30 Years of the European Financial Programme LIFE.
- ✓ You can watch the speech on our YouTube channel: https://www.youtube.com/watch?v=hzAzRyy1584&t=570s

Successful completion of SUSTENG 2022 Conference

- √ The "1st International Conference on Sustainable Chemical and Environmental Engineering", which was held both physically and virtually, between 31st August to 4th September 2022 in the town of Rethymno, on the island of Crete, Greece, was successfully completed.
- ✓ The conference was co-funded by the LIFE Programme and the Green Fund.
- ✓ You may read the letter of appreciation from the conference chair, Prof. Petros Gikas, here: https://www.susteng.eu/announcements/letter-of-appreciation
- ✓ For photo gallery, please visit the following link: https://www.susteng.eu/p/photos



Interview of Prof. Petros Gikas at the journal Ecotec

- ✓ Prof. Petros Gikas provided an interview at the journal "Ecotec" of "TECHNOEKDOTIKI / T-PRESS", regarding the energy production from wastewater as well as the SUSTENG 2022 conference and the LIFEB2E4sustainable-WWTP project.
- ✓ You can read the interview here: https://www.ecotec.gr/ta-periodika-mas/#No-186-22

Lecture at the ICPPCT 2022 conference for the LIFE B2E4sustainable-WWTP project

- ✓ Prof. Petros Gikas participated as invited speaker at the "2nd International Conference on Pollution Prevention and Clean Technologies, ICPPCT 2022".
- ✓ During his lecture, he presented, among others, the LIFE B2E4sustainable-WWTP project.
- ✓ You can watch the lecture at our YouTube channel: https://www.youtube.com/watch?v=4vExMg fjoo