

CASE STUDY



PILOT PLANT FOR THE UNIVERSITY OF THE AEGEAN

DEVISE ENGINEERING S.A. is a specialized company focusing on the design and manufacture of Innovative Packaged Plants & Equipment for Water and Wastewater Treatment Applications.

The company's extensive knowledge and experience in this field, enables DEVISE to design and build **pilot plants and prototypes** for its clients for testing purposes.

In this framework, DEVISE designed and supplied in 2019 a Pilot Plant to the Agro-Waste Lab of the University of the Aegean.

The scope of work included the Design, Engineering and Construction of a pilot plant for the research and investigation on the treatment of various agro-wastewaters, in order to develop the best possible treatment techniques for such wastewater effluents.

The containerized pilot plant included:

- Collection tank of raw agro wastewater products
- Heated anaerobic digester
- Feed tank for sludge system
- Flocculant feed tank
- MBR system feed tank
- Membrane bioreactor [MBR]
- Control panel with PLC

DEVISE Pilot Plants combine important advantages such as:

- ✓ Reliable technology verifications
- ✓ Portable plants for on-site operation
- ✓ Small and convenient to operate
- ✓ Remote monitoring
- ✓ Tailor-made solutions