

**Industrial
Wastewater**

**Resource
Recovery**

**Circular
Economy**

**IS YOUR COMPANY OR ORGANISATION
INTERESTED IN TESTING ITS BRINES?
CONTACT FOR MORE
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ZeroBrine

www.zerobrine.eu

@zero_brine_



The ZERO BRINE project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 730390.

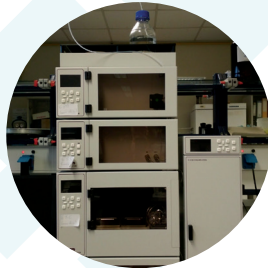
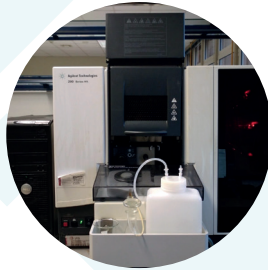


**GREECE BRINE
EXCELLENCE CENTRE**



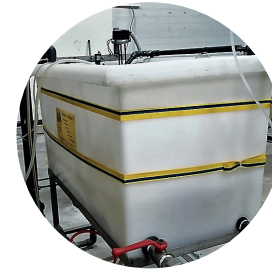
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The core research activities at the GR BEC focus on developing a process for the recovery of salts and other useful minerals from brines of high salinity. The BEC is equipped with technologies that operate as part of a train process or independently. More specifically, the MED-evaporator has been modified to use waste heat, while the crystallizer can effectively concentrate brine from different types of industries. In addition, the BEC is also equipped with an aerobic and anaerobic MBR that treats sludge from industries of high organic load.



INDUSTRIAL PILOT SCALE TECHNOLOGIES

- ◆ MED Evaporator
- ◆ Crystalliser
- ◆ Nanofiltration (NF)
- ◆ Reverse Osmosis (RO)
- ◆ Aerobic MBR
- ◆ Anaerobic MBR



ANALYTICAL AND MEASURING INSTRUMENTS

- ◆ TOC analyzer
- ◆ High-performance liquid chromatography (HPLC)
- ◆ Atomic absorption spectroscopy (AAS)
- ◆ Inductively coupled plasma-mass spectrometry (ICP-MS)
- ◆ Gas chromatography