

## DEMONSTRATION SITES

The LowUP systems were demonstrated at 5 sites in Seville, Madrid, Badajoz, Setubal and Gipuzkoa. The individual components have been designed and customized for each one of the sites.

### DEMO #3: WASTE WATER TREATMENT PLANT IN MADRID

#### CONCEPT

##### HP-LowUP

This solution provides heat for industrial process (55-80°C) with a heat recovery system and an electrically driven heat pump with an advanced control system.

#### TECHNOLOGY

POZZI provides a self-cleaning heat recovery system for sludge out-coming from a bio-digestion tank of the waste water treatment plant, specifically selected for its heat recovery potential.



#### DEMONSTRATION CONCEPT

The POZZI system was installed after the bio-digestion tank for wastewater treatment, with the goal to recover heat from the biologic anaerobic processes before dismissal.



#### EXPECTED RESULTS

The system is expected to efficiently recover an important quantity of energy from an effluent with residual energy that is not actually used.

The recovered heat is then re-introduced in the cycle to reduce the overall consumption of the plant.