



Zweckverband Grevesmühlen and aqua & waste International GmbH are partners in the EU co-financed international cooperation project IWAMA – Interactive Water management. Currently Grevesmühlen WWTP has a total capacity of 65,000 PE, including a large proportion of industrial discharges (dairy, coffee production). Besides biological treatment of the wastewater by activated sludge process, the plant comprises a centralized sludge treatment system (thickening, thermal hydrolysis, digester, co-fermentation, dewatering) covering the area of wastewater management authority Grevesmühlen. The sludge liquor gets treated by a two-step De-ammonification unit. Based on a working partnership between *Zweckverband Grevesmühlen* and *aqua & waste International* the pilot “Advanced Control in Grevesmühlen WWTP” seeks to improve the overall process control, automation system and mass flow management for a energy-optimized wastewater and sludge treatment. The major goal is to make a contribution to the improvement of the environmental state of the Baltic Sea by an extensive and effective nutrient removal. The main investments includes the technical equipment of a new monitoring site, realization of extended measurements, data collection and evaluation/statistical analysis.

## About the project

Advanced Control in Grevesmühlen WWTP

**IWAMA – Interactive Water Management**

**Duration:** MAR 2016 – FEB 2019

**Total budget:** EUR 4.6 million

**European Regional Development Fund:**  
EUR 3.7 million