

INNOVATIVE TREATMENT OF URBAN WASTE WATER



LIFE

DeNTreat

WHAT IS THE PROBLEM?

Digital textile printing (DTP) has recently become a widely used printing technology in many European textile districts. Although it brings certain environmental advantages, DTP requires dipping the entire fabric in urea, which is then completely washed out after printing and ends up as **nitrogen residue in wastewaters**.

Certain European textile districts experience nitrogen-rich wastewater in concentrations not efficiently supported by the local wastewater treatment plants.

HOW CAN DENTREAT ADDRESS THE PROBLEM?

Life DeNTreat technology aims at reducing the amount of nitrogen content in urban wastewater in a **sustainable and cost-efficient** way using an on-site wastewater treatment module based on the **anammox** microbial process.

WHAT ARE THE BENEFITS OF DENTREAT TECHNOLOGY?

Saving of up to 40% in investment and operational **costs**

Reducing nitrogen content below 100 mg/L in the processed wastewater

Maintaining **residual nitrogen concentration** in wastewater treatment plants **below 10 mg/L**

Abatement of the sludge produced to less than 25%

For more information visit www.life-dentreat.eu



citeve



The project has received funding from European Union's LIFE Programme under Grant Agreement LIFE16 ENV/IT/000345