



PILOT TESTS WASTEWATER TREATMENT



FOOD INDUSTRY



Manufacturer of frozen pastries



Czech Republic

The customer is a major multinational producer of frozen pastries specializing in croissants, brioche, sweet and savoury rolls.



CUSTOMER'S REQUIREMENTS

The customer has historically had its own wastewater treatment plant, which receives wastewater from the production of frozen baked goods. The wastewater is **extremely polluted** with fats and sugars and the plant is **overloaded** and does not meet the **required effluent limits**. The customer requested that a suitable technology be designed to **pre-treat the water** so that the water flows to the plant in a **quality suitable for treatment**.

SOLUTION



WASTEWATER TREATMENT

After an initial series of **laboratory tests**, our technologists selected the **MiFlo low-energy flotation** unit for semi-operational testing.

The **two-month testing** at the bakery site included simulating various operating conditions and finding the appropriate type and amount of chemicals to be dosed.

The **test results** confirmed that the **technology was selected correctly** and specific parameters could be presented to the client for the final design documentation. At the same time, we provided the client with **valuable information on future operating costs**.

ADVANTAGES OF MiFlo TECHNOLOGY

- 1 **Low power consumption**
Approximately 0.05 kWh/m³ of wastewater.
- 2 **Low space requirements**
The device is compact, so it fits into existing spaces, if necessary, it can be placed e.g. in a container.
- 3 **Turnkey delivery**
Technological design, laboratory and semi-operational testing, project documentation, implementation, and commissioning.

