



better together

CASE HISTORY

Zenit ZMD mixers for purification in industrial processes

Situation

TIRSAN Solutions is a major manufacturer of semi-trailers for trucks. The Adapazari plant in Turkey has an annual production capacity of 20,000 units and comprises eight separate factories.

We were asked to provide mixing solutions for the process water treatment plant for the plant.

Solution

With our local distributor Ideal Motor, we identified the best solution in the ZMD Series, the new Zenit mixers derived from UNIQA technology. Zenit ZMD Series direct drive mixers offer high reliability and IE3 efficiency class motors, derived from Zenit UNIQA submersible pumps, which contain operating costs with reduced consumption and limited maintenance.

ZMD mixers have AISI 316 cast stainless steel propellers, designed with a special blade profile to obtain high hydraulic efficiency and avoid clogging by filaments and solids.

The motor, with integrated thermal protection in the stator, is equipped with two mechanical seals in the oil chamber in which there is also a probe able to signal, connected to a prearranged electrical panel, the presence of water or humidity.

This allows a timely replacement of the external mechanical seal before any water can enter the motor due to wear.

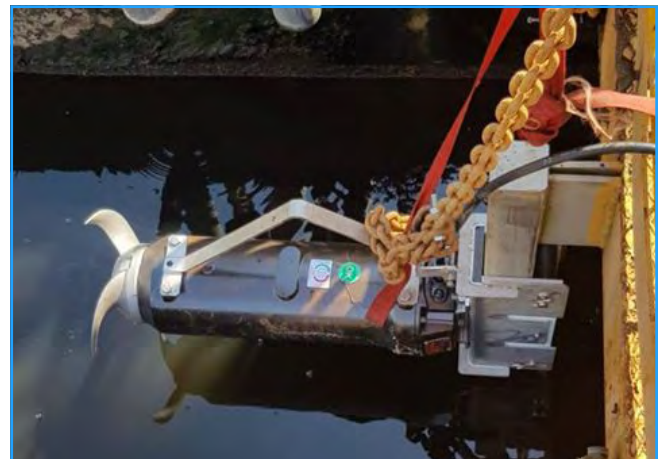
Benefits

Zenit ZMD mixers are confirming their characteristics of efficiency and reliability guaranteed by rigorous design and the use of high-quality components.

The efficiency of IE3 Premium Class motors guarantees high efficiency and minimum energy consumption, resulting in cost savings and overall customer satisfaction.



One of the tanks in the wastewater treatment plant



ZMD Mixer installation



ZMD 030D A 3/6

Customer	Ideal Motor				
Company Profile	Zenit distributor for Turkey				
Location	Adapazan	Country	Turkey	Area	Europe
Application	Depuration				
Installed Products	ZMD 030D A 3/6				
Date	October 2019				