

LINZ - ASTEN

Municipal WWTP

1,200,000 P.E. / Q_{inlet} 235,000 m³/d

Linz is the capital of Austrian federal state "Upper Austria" and third-largest city of Austria. In the village Asten she operates the second largest municipal WWTP of the country.

In 2001, the Linz-Asten WWTP was equipped with AEROSTRIP® diffusers. 20 years later the plant was extended: of course again with AEROSTRIP®.

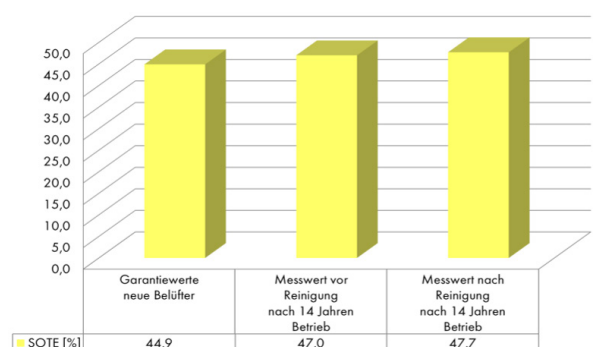
NUMBER OF TANKS	8
TOTAL VOLUME	101,000 m ³
WATER DEPTH	7.4 m
SOTR (Standard Oxygen Transfer Rate)	max. 8,000 kg O ₂ /h
TOTAL AIRFLOW	max. 66,000 Nm ³ /h
TOTAL AEROSTRIP® DIFFUSERS	2,688

TWO DECADES OF CONSTANT HIGH PERFORMANCE

20 years, that's how long the approximately 2,700 AEROSTRIP® diffusers have been in continuous operation. A decline in efficiency was not noticeable during this time.

This exceptional long-term efficiency was subjected to an in-depth test after 14 years of operation. For this purpose, one of the 13,000 m³ tanks was emptied and a total of 8 diffuser elements were removed at various points and tested for oxygen transfer performance in clean water. The results were astounding: The used AEROSTRIP® elements achieved the same oxygen transfer efficiency as in the original condition 14 years earlier. The same applied to the pressure drop after cleaning.

In 2021/22 the plant was extended. Due to the very positive operating experience over 20 years, the operator once again decided to use AEROSTRIP®.



AEROSTRIP®

fine bubble diffusers by AQUACONSULT