

# LINZ - ASTEN

## Municipal WWTP

950,000 P.E. /  $Q_{inlet}$  235,000 m<sup>3</sup>/d

Number of Tanks:	8
Total Volume:	92,000 m <sup>3</sup>
Water Depth:	7.4 m
SOTR Standard Oxygen Transfer Rate:	9,740 kgO <sub>2</sub> /h
Total Airflow:	73,600 Nm <sup>3</sup> /h
Total AEROSTRIP® Diffusers:	3,328

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®.

### *20 years operation - constant high performance*

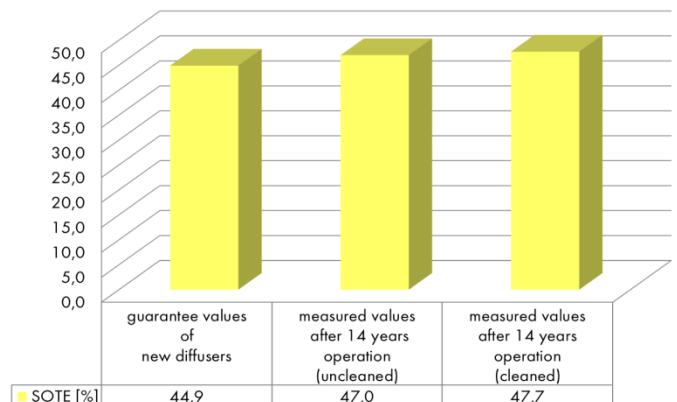
20 years, that's how long the approximately 3,300 AEROSTRIP® diffusers have been in continuous operation. A decline in efficiency was not noticeable during this time.

This exceptional long-term efficiency was subjected to an in-depth test after 14 years of operation. For this purpose, one of the 12,000 m<sup>3</sup> basins 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 decision was made to use AEROSTRIP® diffusers also in the future.

#### SOTE [%] – Standard Oxygen Transfer Efficiency



# AEROSTRIP®

fine bubble diffusers by AQUACONSULT

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