



STRASS IM ZILLERTAL

Municipal WWTP

250,000 P.E. / Q_{inlet} 30,000 m³/d

TRIPLE A

The Strass wastewater treatment plant in the Zillertal valley treats wastewater from the tourist-oriented valleys of Achental, Inntal and Zillertal (AIZ) and has been energy self-sufficient since 2005. During the process changeover from 2019 to 2021 to the auspicious Triple A process, AEROSTRIP® was an important component on the road to success.

NUMBER OF TANKS	2
TOTAL VOLUME	4,316 m ³
WATER DEPTH (MIN/MAX)	2.7/ 3.3 m
SOTR (Standard Oxygen Transfer Rate)	max. 330 kg O ₂ /h
TOTAL AIRFLOW	max. 5,800 Nm ³ /h
TOTAL AEROSTRIP® DIFFUSERS	270

TRIPLE A: +50 % CAPACITY WITH AEROSTRIP®

The AAA* process is particularly suitable for increasing a treatment plant's capacity. Instead of a structural expansion, the existing plant infrastructure is used more efficiently.

At the Strass WWTP, this was achieved by converting the intermediate clarification into a triple A high load stage. The sloping tank floor and the system-specific piping placed the highest demands on the adaptability of the aeration system. AEROSTRIP® was able to meet these excellently with two aeration levels and an evenly distributed arrangement.

With this process change, the plant experienced a capacity increase from 167,000 p.e. to 250,000 p.e. This corresponds to a plus of 50 % - at investment costs of only 42 % compared to a structural expansion. A convincing reason for the decision in favor of Triple A!

Thanks to various diffuser lengths and flexible installation options, AEROSTRIP® is the optimal aeration system for this innovative process.



By the way, thanks to AEROSTRIP® the entire mixing performance is provided exclusively by compressed air.

*)AAA = Alternating Activated Adsorption

AEROSTRIP®

fine bubble diffusers by AQUACONSULT