



# STRASS I. Z.

## Municipal WWTP

**TRIPLE A**

250,000 P.E. /  $Q_{inlet}$  30,000 m<sup>3</sup>/d

Number of Triple-A Reactors:	2
Total Volume:	4,316 m <sup>3</sup>
Water Depth (i/o):	3.3 m/ 2.7 m
SOTR Standard Oxygen Transfer Rate:	max. 330 kgO <sub>2</sub> /h
Total Airflow:	max. 5,800 Nm <sup>3</sup> /h
Total AEROSTRIP® Diffusers:	270

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.

### 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, with two aeration levels and an evenly distributed arrangement, exceptionally well.

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.

\* )AAA = Alternating Activated Adsorption

# AEROSTRIP®

fine bubble diffusers by AQUACONSULT

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