



# SÖLDEN

## Municipal WWTP

90,000 P.E. /  $Q_{inlet}$  3,150 m<sup>3</sup>/d

|                                     |                           |
|-------------------------------------|---------------------------|
| Number of tanks:                    | 4                         |
| Total Volume:                       | 8,448 m <sup>3</sup>      |
| Water Depth:                        | 8.0 m                     |
| SOTR Standard Oxygen Transfer Rate: | 2,800 kgO <sub>2</sub> /h |
| Total Airflow:                      | 20,640 Nm <sup>3</sup> /h |
| No. of AEROSTRIP® Diffusers:        | 880                       |

Sölden, one of the famous ski resorts in the world, is situated in the Austrian Alps. A tourist hotspot during the wintertime, but a small mountain village in the off season.

Since 2004 AEROSTRIP® diffusers have been providing the right amount of oxygen all the year round.

### *Uncommon wide operation range – surpassed guarantee values*

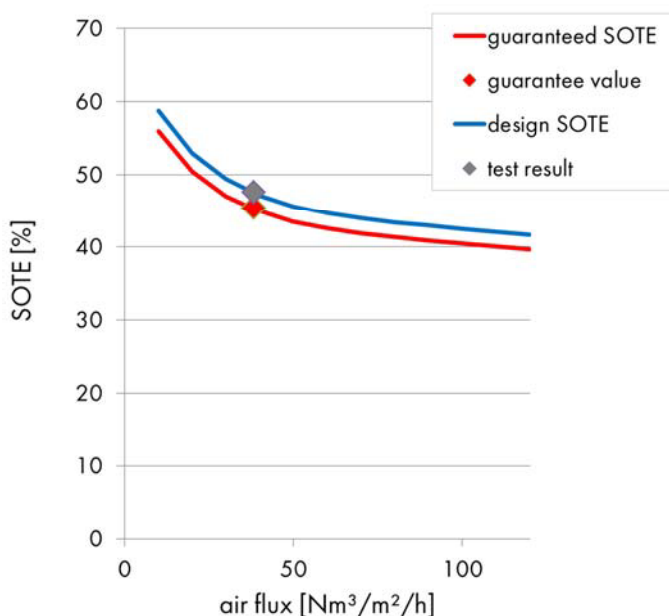
Operation range of AEROSTRIP® diffusers is 0 up to 120 Nm<sup>3</sup>/h per m<sup>2</sup><sub>diffuser</sub>. This extremely high turndown ratio allows for high fluctuations in oxygen demand, as required at this particular installation, to be met.

After the launch of AEROSTRIP® diffusers in 2005, their performance was tested by an independent third party.

Guaranteed figure for Standard Oxygen Transfer Efficiency (SOTE) was 45% at a flux of 40 Nm<sup>3</sup>/h per m<sup>2</sup><sub>diffuser</sub>.

Tested SOTE proved, that performance of AEROSTRIP® diffusers even exceeded system requirements:

**SOTE [%] – Standard Oxygen Transfer Efficiency**  
(tank AB3; SWD= 8.0m)



# AEROSTRIP®

fine bubble diffusers by AQUACONSULT

www.aerostrip.at