

AEROSTRIP® FINE BUBBLE DIFFUSER



HOME OF AEROSTRIP®





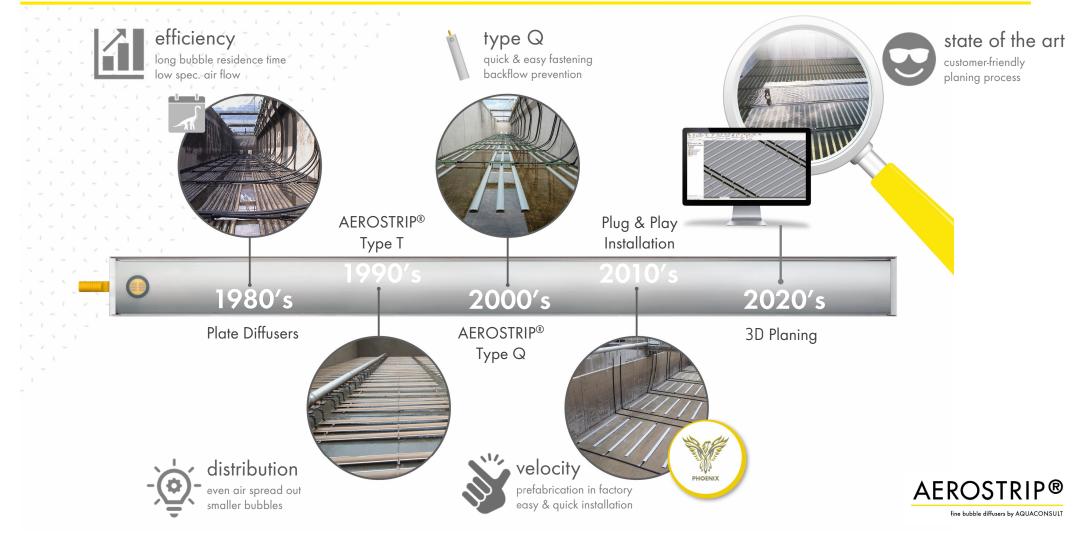
Aquaconsult Anlagenbau GmbH Badener Straße 46, 2514 Traiskirchen, AUSTRIA Established: 1986





AEROSTRIP® HISTORY





AEROSTRIP® FAMILY (CORE FAMILY)





AEROSTRIP Type T

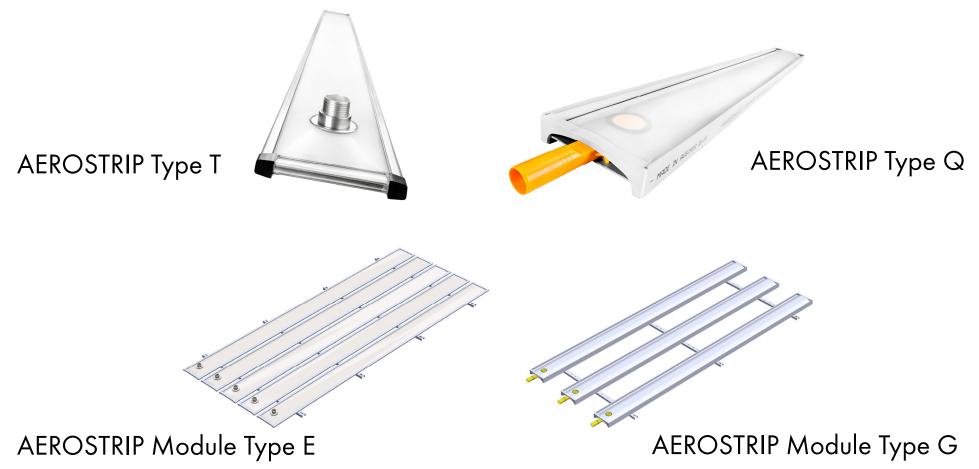


AEROSTRIP Type Q



AEROSTRIP® FAMILY (EXTENDED FAMILY)





AEROSTRIP Module Type G

AEROSTRIP®

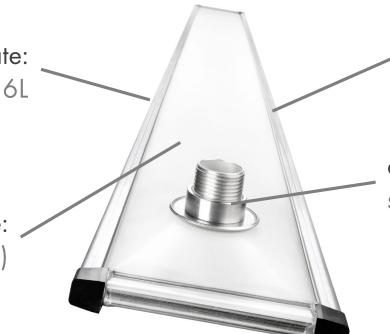


MATERIALS: AEROSTRIP® TYPE T





membrane: 100% polyurethane (PUR)



peripheral strips: stainless steel 316Ti/316L

air inlet (G1" male): stainless steel 316Ti/316L



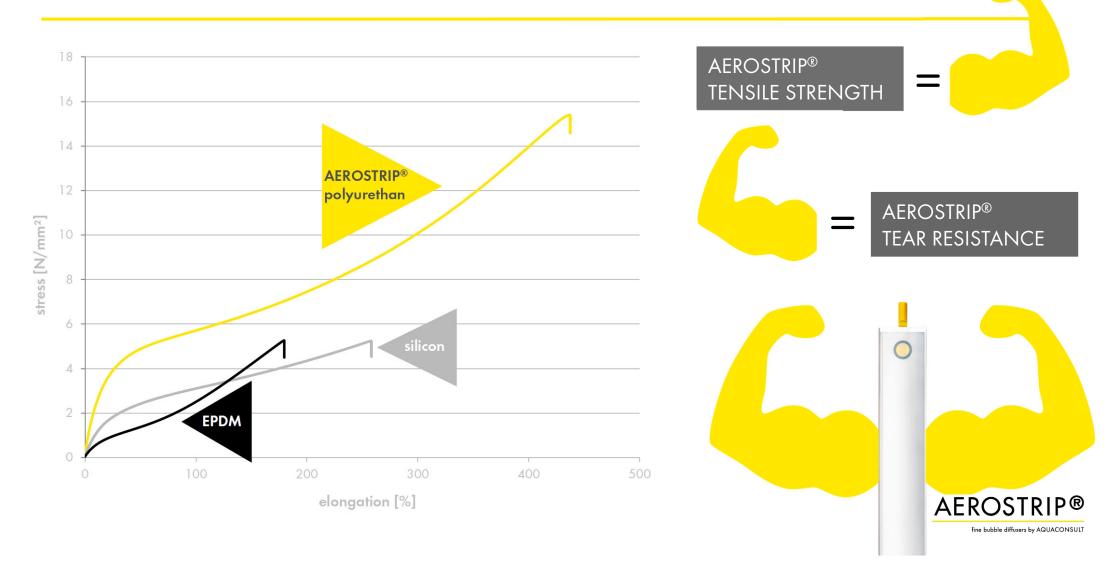
MATERIALS: AEROSTRIP® TYPE Q







STRESSED OUT? NO WAY WITH AEROSTRIP®



IS YOUR PERFORMANCE CONSISTENT FOR UP TO 20 YEARS? - ASKING FOR A FRIEND...

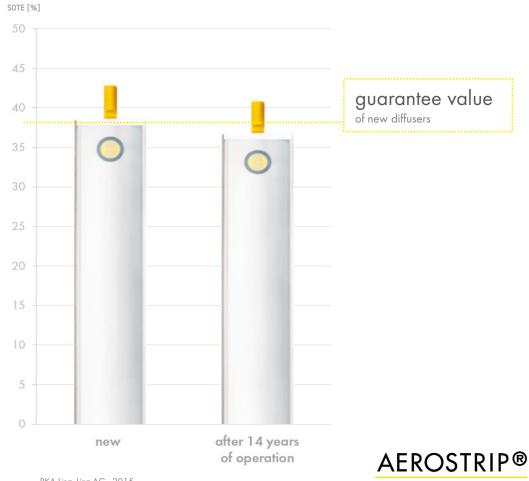




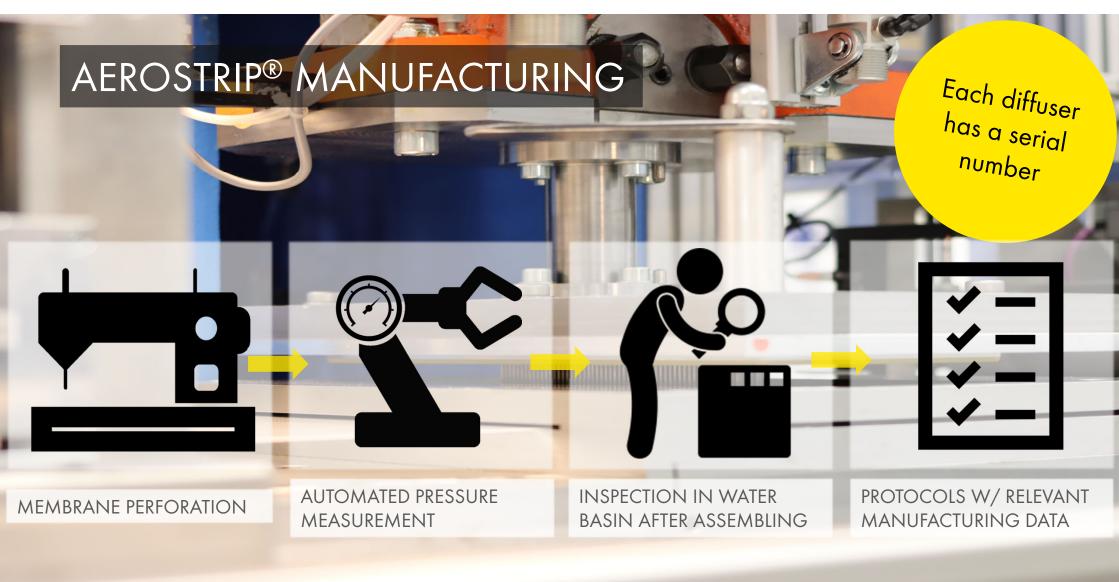


For conventional short sludge retention time treatment plants (SRT one to six days) this (twelve years AEROSTRIP®) system performed better than all previously tested fine pore diffuser systems installed; and even

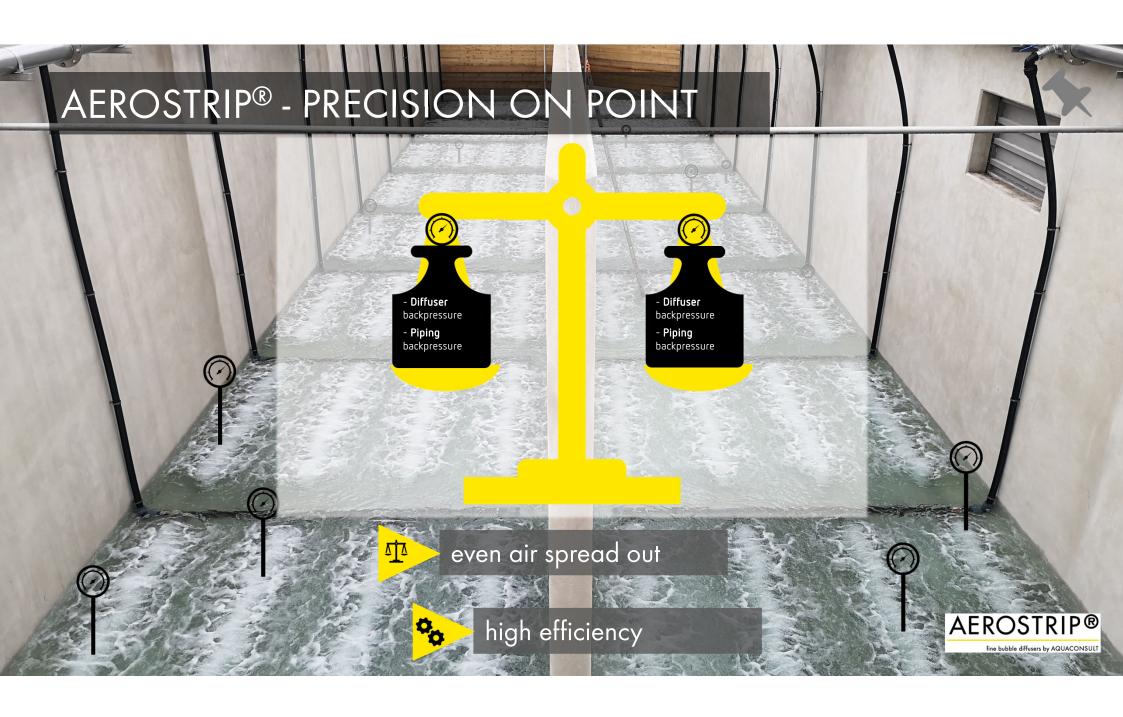
Dr. M. K. Stenstrom, UCLA, Bremerton Wastewater Treatment, December 2012



RKA Linz, Linz AG, 2015

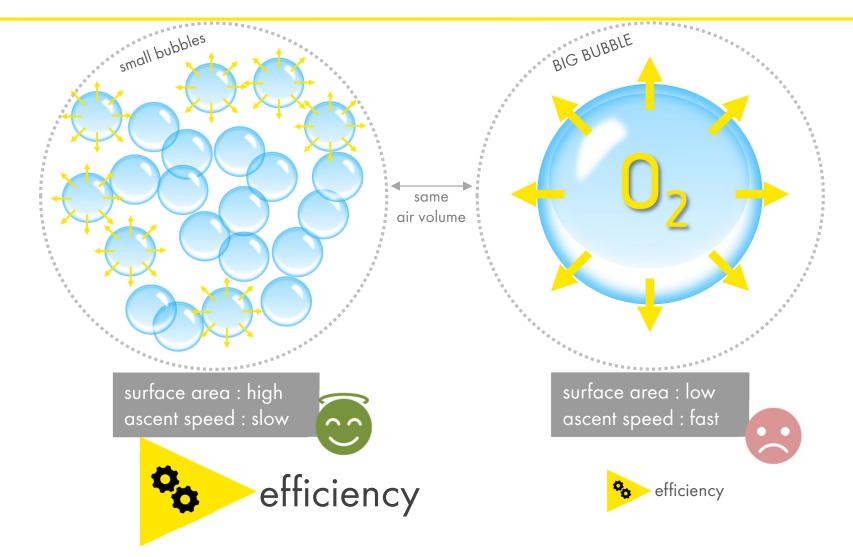






SMALL BUBBLES → HIGH EFFICIENCIES

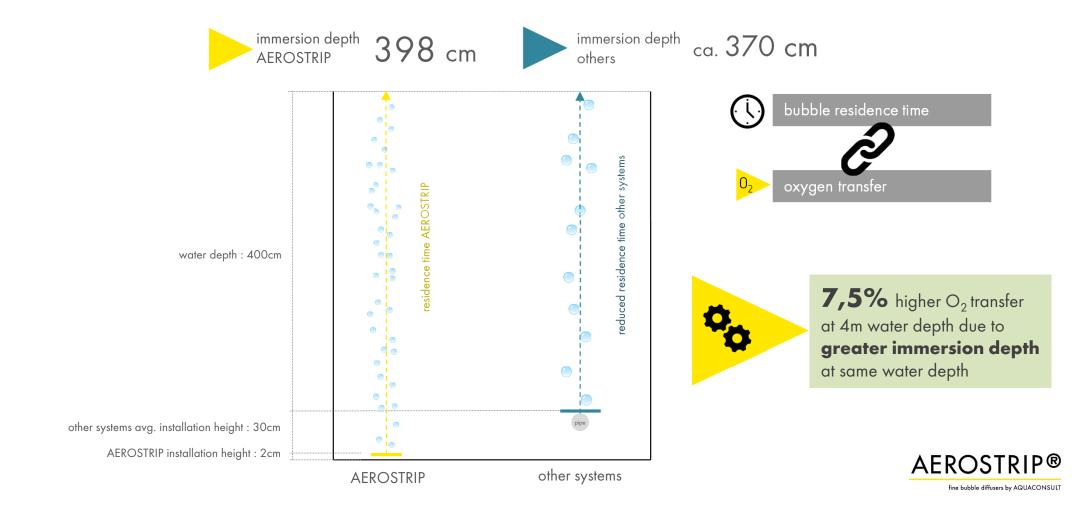






HIGH IMMERSION DEPTH -> HIGH EFFICIENCIES





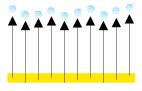
LESS COALESCENCE -> HIGH EFFICIENCIES

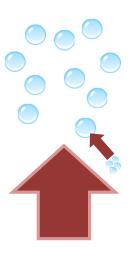


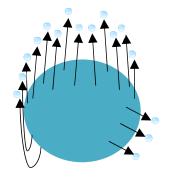


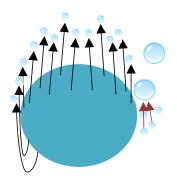


"Stay solo, little bubbles: The journey from diffuser to water surface is all yours!"







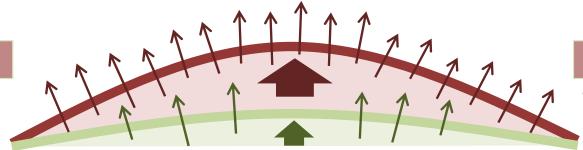




FLEXIBLE ACTIVE PORES → HIGH EFFICIENCIES







more active pores

→ activation of "reserve"

low airflow

less active pores

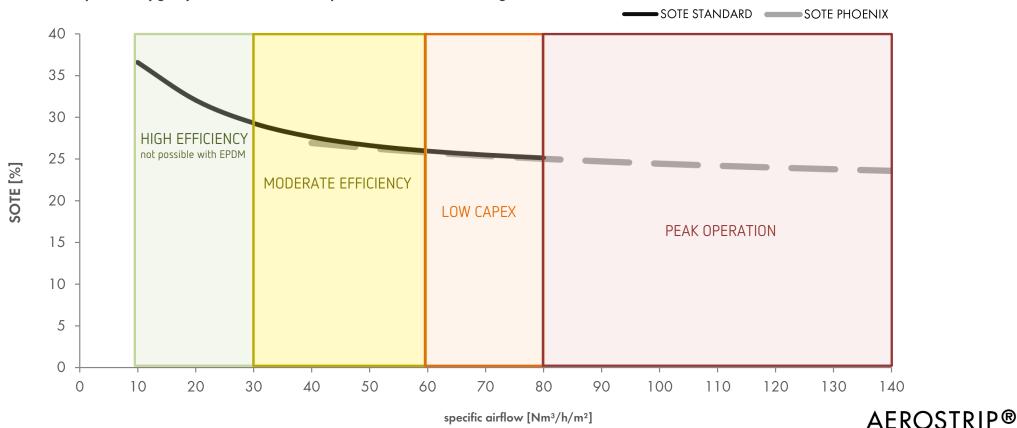
higher number of active pores for efficient operation mode



OPTIMAL OPERATION MODE -> HIGH EFFICIENCIES

Standard Oxygen Transfer Efficiency (SOTE) & diffuser back pressure (dP)

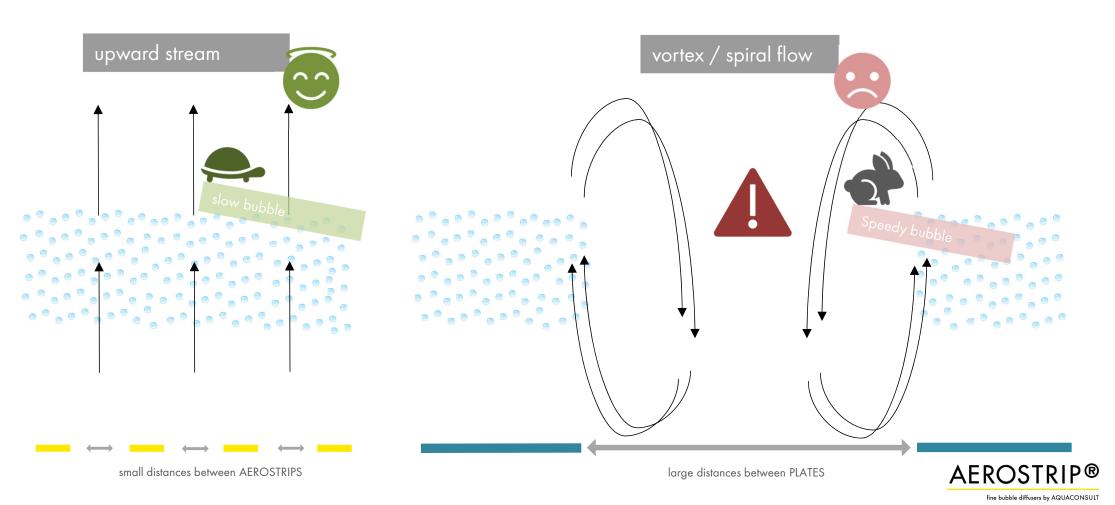
specific oxygen yield at side water depth 4.0 m; bottom coverage 10%

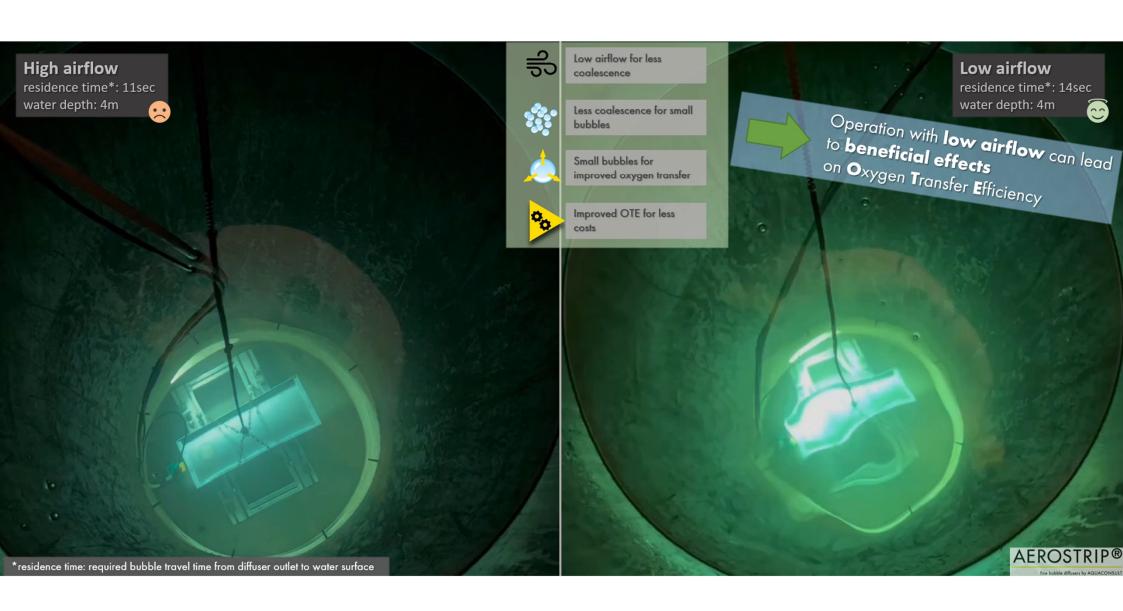


fine bubble diffusers by AQUACONSULT

SMALL DISTANCES → HIGH EFFICIENCIES





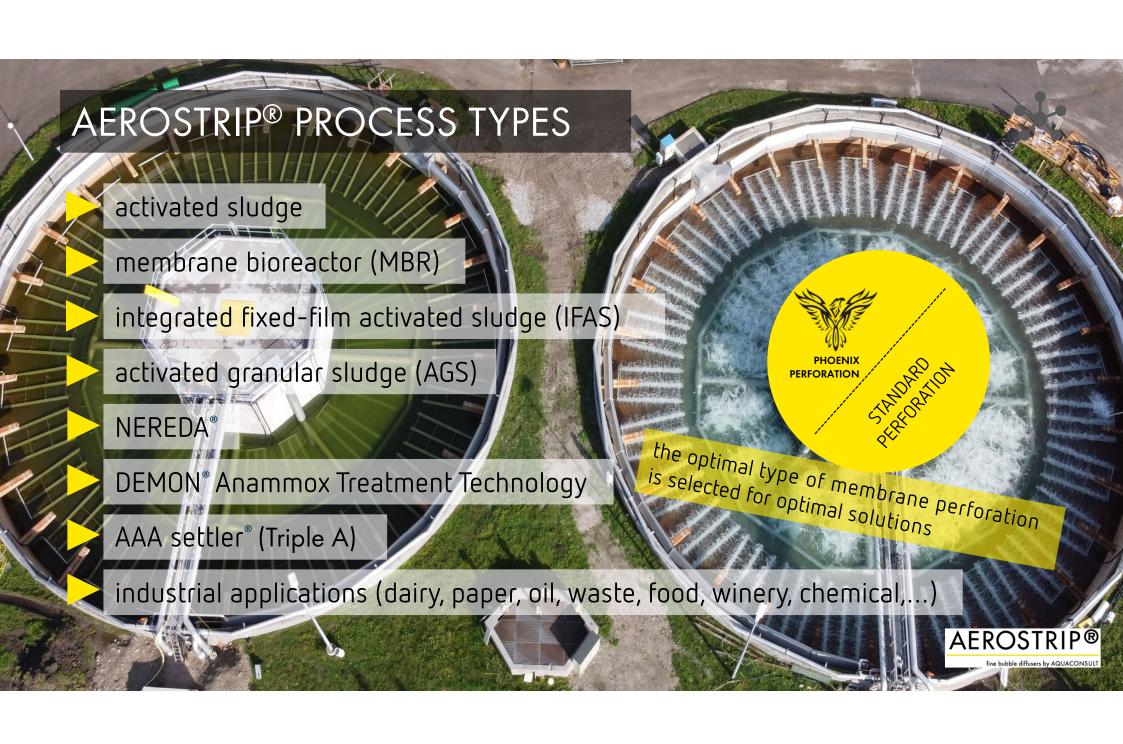


AEROSTRIP® TESTTANK









MOUNTING DIRECTLY ON THE TANK FLOOR

















MOUNTING HEIGHT ADJUSTABLE







- Sloped tanks
- Special requirements (sediments)



MOUNTING ON LIFTABLE FRAMES













PVC / PE PIPING

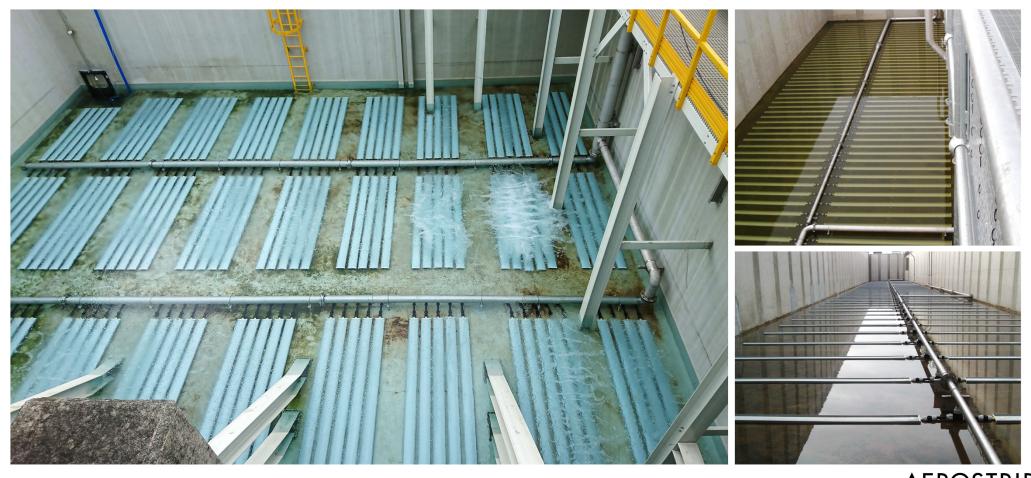








STAINLESS STEEL PIPING





UNIFORM BUBBLE PATTERN







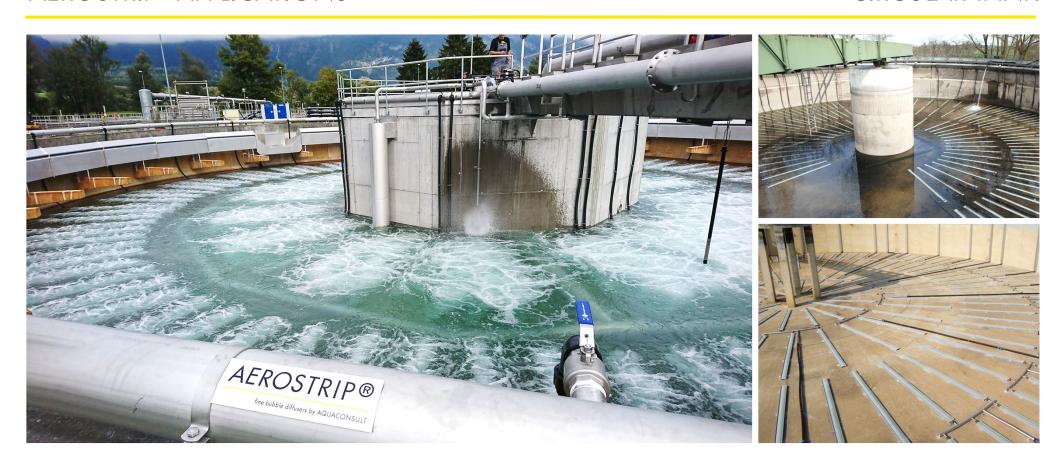


UP TO 100% BOTTOM COVERAGE



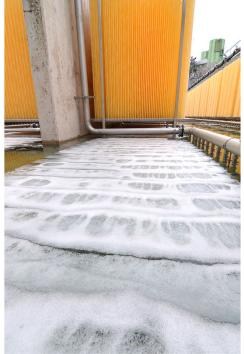


CIRCULAR TANK













AEROSTRIP® CORE FEATURES

- unique polyurethane membrane
- smaller bubbles for higher efficiencies
- 20 up to 20 years of lifetime
- **■** Low operating costs
- 25 years of research
- service & know-how
- worldwide sales





AEROSTRIP® CORE FEATURES

