



VERONA

Municipal WWTP

410,000 P.E.

Number of Tanks:	2
Water depth:	4 m
SOTR Standard Oxygen Transfer Rate:	484 kgO ₂ /h
Total Airflow:	5,250 Nm ³ /h
No. of AEROSTRIP® diffusers:	468

Verona is located in the Northeast of Italy, being the capital of the province of the same name. It is well known as the setting of "Romeo and Juliet"; its historical center is part of the UNESCO World Cultural Heritage.

It is, however, less known, that Verona has one of the most efficient waste water plants in Italy.

The municipality is happy:
**40% energy saving thanks to
AEROSTRIP®!**

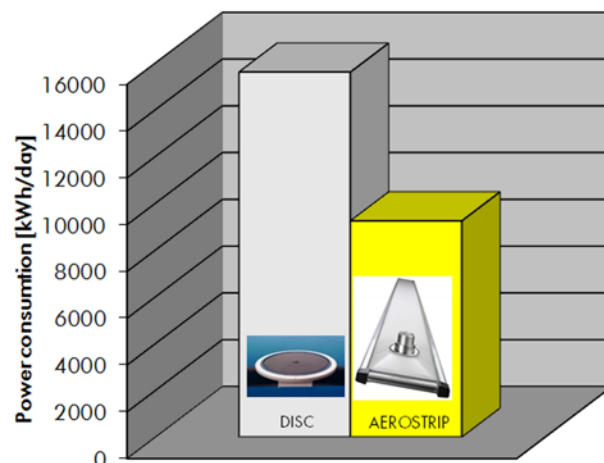
In 2006 the city administration decided to change the aeration system from the then installed disc diffusers to strip-shaped ones by AEROSTRIP®.

As a result the energy consumption for aeration of activated sludge tanks was reduced by roughly 40%. Taking into account the power costs with 12 Eurocents/kWh, we may conclude that the replacement of aeration system results in savings up to approximately 280.000 € p.a.

After twelve years of operation the community is still excited with AEROSTRIP®.

A study has come to the conclusion, that the efficiency of the aeration system has remained constant over the last years.

VERONA CITY WWTP
Energy consumption before and after
installation of AEROSTRIP® diffusers



AEROSTRIP® – a sustainable solution!

AEROSTRIP®
fine bubble diffusers by AQUACONSULT

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