Primozone®
REDEFINING OZONE TECHNOLOGY

Wastewater treatment, Birmensdorf

"Together with Rheno AG, Primozone supply, install and commission ozone systems in a easy and safe way."
-Linus Nielsen
Project Manager at Primozone.

WWTP Birmensdorf
"The compact and modular design of the Primozone reactors combine a small footprint, excellent operational safety and flexibility. Rheno professionally instructed the WWTP operators to understand and handle the new technology." - Damian Hausherr

The Birmensdorf WWTP was put into operation on 2 July 1973 and has since been purifying the wastewater of the connected municipalities of Aesch, Birmensdorf, Bonstetten, Stallikon, Uitikon and Wettswil as well as part of the municipality of Aeugstertal. For the planning horizon of 2035, the sewer lines were expanded to a capacity of 33,000 population equivalents (PE) as part of the last expansion (2013 to 2018).
The expansion of the Birmensdorf WWTP with a micropollutants removal stage considers the revised water protection legislation in Switzerland.
For the elimination of micropollutants at the Birmensdorf WWTP, the ozonation process was chosen.
To effectively treat the wastewater volume of 464l/s, an ozone capacity of 4.4kgO3/h (2x GM36) was installed. Ozone is introduced into the water via ceramic domes.
Rheno AG carried out the detailed planning, as well as the delivery, installation and commissioning of the ozone stage.

Primozone solution
- GM36 x 2 ozone generators
- Filter package, destructor, backflow protectors, cooling, valves, distribution models, safety products to make a complete and reliable system.
- Joined start up with experts from Primozone together with the application experts at Rheno.

Objective
Reduce micropollutants in wastewater through ozonation and contribute to a safe and healthy environment for operators working on site.

Result
- Ozone system running and used in the process according to demands and expectations.

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a pearl water group company rheno

Primozone began redefining ozone technology in 2000. Since 2003, Primozone Production AB has been wholly owned by Westfal-Larsen Technology of Bergen, Norway.
Today Primozone's patented technology is used in water treatment installations in more than 40 countries worldwide.

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