

Hallertau

REFERENCE CASE WATER TREATMENT PLANT IN AU IN DER HALLERTAU IN GERMANY



BACKGROUND

Zweckverband Wasserversorgung Hallertau is a water company located in Bavaria just north of Munich in the southern parts of Germany. The water company providing drinking water to more than 35,000 inhabitants takes the main part of the raw water from underground. The Hallertau water treatment plant produces 8.500 m³ of water each day.

CHALLENGES TO BE ADDRESSED

In one of the Hallertau water treatment plant buildings there have been continuous challenges with heavy condensation on the cold pipes transporting water and a lot of water on the floor. During the summer the building is warmed up by the sun through the large windows and the relative humidity level in the air goes down. But due to the cold temperature on the pipes, the water still remaining in the air starts condensing. And during the night, when the temperature drops, the relative humidity goes up to a too high level.

The conclusion was that a dehumidifier was needed that could bring down the relative humidity to a much lower level during the day. A dehumidifier that can work equally efficient at all temperatures – high and low.

PREVIOUS PRODUCTS TESTED

Dehumidifiers using compressor technology were previously used but were unable to reduce the relative humidity to a level needed to avoid condensation.

BENEFITS OF USING AWG'S PRODUCTS

The technology used in the REX is capable of bringing down the relative humidity to the low level needed. And the REX is capable of doing this using much less energy than alternative solutions.

"WE HAVE HAD PROBLEMS WITH CONDENSATION AND HUMIDITY IN OUR WATER TREATMENT PLANT FOR A LONG TIME. I AM VERY HAPPY THAT WE HAVE BEEN ABLE TO SOLVE THESE ISSUES BY INSTALLING THE REX BY AIRWATERGREEN." BERNHARD PICHLMAIER, WASSERMEISTER