

New River Water Treatment Plant At Höchst Industrial Park.

ENVIRONMENT. Overall planning of the treatment plant for the highest water quality.



IMAGE: INFRASERV HÖCHST

The new river water plant supplies the industrial park with 15,000 cubic meters of water per hour.

BY ANDREAS TROSTMANN

FRANKFURT/M. InfraserV GmbH & Co., Höchst KG at Industriepark Höchst in Frankfurt, am Main, Germany, has



built a new river water plant to supply the 460-hectare industrial park with high-quality water. Every year, 60 million cubic meters of water from the Main River are extracted and purified. In this manner, the water can be reused up to 50 times.

InfraserV awarded the team of the “Pörner Water” competence center in Vienna with the engi-

neering, supply, installation, and commissioning of a river water treatment plant.

Membrane technology for efficient water treatment and water protection

With the new river water treatment plant engineered by Pörner Water,

technologies of fine and ultrafiltration, chemical flocculation, and chemical cleaning of membranes are used with a purification capacity of up to 1,100 cubic meters per hour.

River water is treated to produce water free of solids and germs by converting the existing pure water plant to the ultrafiltration process. The ultrafiltration membranes provide a safe physical barrier to particulate contaminants and microorganisms in the raw water.

“Pörner Water” Project Manager Andreas Trostmann on the increasing importance of the technology in industrial plant construction: “Membrane technology is not only an excellent method for efficient process water treatment,

it also contributes to water protection due to the highly reduced demand for chemicals. We look forward to building further water treatment plants with this technology.” ■

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WATER

With the “Pörner Water” competence center, the plant engineering company is expanding its services to include industrial water treatment. It is using its comprehensive expertise to minimize energy and water consumption as well as plant emissions in a sustainable manner.

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