

Water Industry

A good drop

Water is not just a habitat, but also a foodstuff and an energy carrier. Europe is committed to sustainable protection of waters – good water quality no longer ends at national borders.

Increasingly, Saxony-Anhalt's water management operators and wastewater disposal firms are focusing on clean water using the intelligent management of canal networks, pumping stations, rainwater reservoirs and sewage purification plants. Thanks to innovative applications of Industry 4.0 concepts, the digital transformation succeeds here. They are supported by the Institut für Automation und Kommunikation (ifak), which develops web-based platforms, application tools and business models within the framework of cooperative research projects.

Mobile water power

The members of the joint venture flussstrom.de are also pursuing new paths. They are developing and testing mobile modules that continuously extract energy from flowing water. As a result, small water power plants are being created in efficient series production that can be transported easily to the point of use.

Loser Chemie specialises in environmentally friendly chemical products used to treat wastewater. The company, which has a branch in Tangermünde, specialises in water-intensive branches of industry such as the paper, textile and leather industries.

Technologies and Applications

HOLLAND Filter

Holland Filter is a in Blankenburg located manufacturer, lessor and supplier of several different types and models of filterinstallations for the cleansing and the filtration of a multitude of liquids.

CARBONIT Filtertechnik GmbH

Since 1997, Carbonit Filtertechnik in Salzwedel has been developing and producing internationally patented and TÜV-tested filter elements for the treatment of drinking water. Carbonit is the market leader in Germany and Europe.

MOL Katalysatortechnik GmbH

The technology-oriented company from Merseburg focuses on the development, production and sale of qualitatively new mineral-metal catalysts and related technologies for the production of pure air and clean water as well as solar technologies.

Nanostone Water GmbH

Nanostone Water manufactures a unique high surface area ceramic ultrafiltration membrane module for municipal and industrial water/wastewater treatment. Headquartered in the USA, the company has state of the art ceramic manufacturing operations in Halberstadt, Saxony-Anhalt.

Sidra Wasserchemie Bitterfeld GmbH

SIDRA Wasserchemie produces and sells ferric chemicals (iron(III)) for water treatment and wastewater treatment.

Helmholtz Centre for Environmental Research – UFZ

The UFZ is one of the world's leading research centres in the field of environmental research, enjoying high social recognition. It demonstrates ways in which a sustainable use of our natural resource base is possible for the benefit of both humankind and the environment. At its location in Saxony-Anhalt's state capital Magdeburg, the focus is on three fields: aquatic ecosystem analysis, river ecology and marine research.

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ifak - Insitute for Automation and Communication e.V.

Network project „AquaAlgae“

Innovative Bio-, Medical- and Environmental Technologies

