BOSCH WATER AND ENGINEERING

Engineering in Every Drop

WATER TREATMENT & PURIFICATION

Practical, engineered solutions for cleaner water - from assessment and system design to installation, commissioning and ongoing support.



RESIDENTIAL / COMMERCIAL / INSTITUTIONAL / INDUSTRIAL

Water quality matters. The right treatment system depends on your water source, laboratory results and intended use.

UNDERSTANDING YOUR WATER

Why water treatment matters

Water may contain sediment, dissolved minerals, objectionable taste or odour, and microorganisms. No single treatment method removes every contaminant. A suitable system begins with understanding the source water and the quality required at the point of use.



OUR APPROACH

01 **Assess the water source**

Review the source, water demand and intended use. Water testing identifies the parameters that require treatment.

02 **Recommend the right solution**

Design a treatment train matched to the results, required flow rate, maintenance needs and operating conditions.

TREATMENT METHODS

Water purification technologies

Bosch Water and Engineering provides water treatment plant design and installation. The following technologies may be used individually or in combination, depending on water quality testing and project specifications.

01 Sediment filtration

Removes suspended particles such as sand, silt and rust. Often used as a first stage to protect downstream equipment.

02 Activated carbon filtration

Can reduce chlorine, certain organic compounds, and some taste and odour concerns, subject to system design and media maintenance.

03 Reverse osmosis (RO)

A membrane process used to reduce many dissolved salts and other contaminants. Pretreatment, pressure and reject-water management are important.

04 Disinfection

UV treatment or appropriately controlled chemical disinfection can address microbial risks; effectiveness depends on water clarity, dose and system operation.

Technology selection is project-specific. Treatment performance should be verified through appropriate post-treatment testing.

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PROJECT DELIVERY

From assessment to operation

Our service scope includes the design and installation of water treatment plants, wastewater treatment and recycling systems, and ongoing maintenance and support.



01

Water testing and design

Confirm source-water conditions, treatment targets, required capacity and equipment selection.

02

Installation and commissioning

Install treatment equipment, connect pipework and controls, and check the system before handover.

03

Training and aftercare

Explain operation, monitoring, cleaning, filter changes and the recommended maintenance schedule.

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SOLUTIONS AND SUPPORT

Built for long-term performance

Bosch Water and Engineering supports water infrastructure projects with technical expertise in water treatment systems, wastewater treatment and recycling, and maintenance. The aim is a solution that is practical to operate and appropriate for the site.



APPLICATIONS

Homes and apartments: Treatment designed for domestic water demand.
Schools and institutions: Systems sized for reliable shared use.
Businesses and industry: Water treatment matched to operational needs.
Water reuse: Wastewater treatment and recycling where technically appropriate.

LET US DISCUSS YOUR WATER NEEDS

Share your location, water source, intended use and any recent water test results. Our team can discuss a suitable next step.

Bosch Water and Engineering Ltd.

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