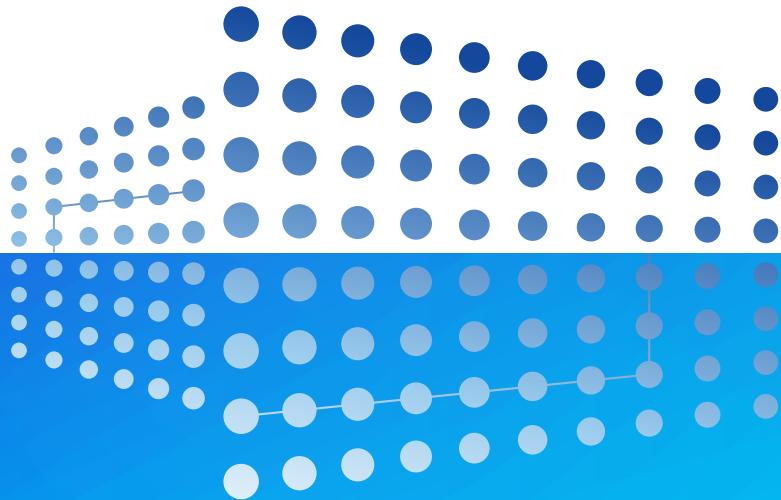


NEWATER
HOUSE



Newater House® 2.0

GREENTECH

Intelligent Water Purification Unit,
High-Efficiency, Low-Cost New
Water Production Innovation

Newater



OVERVIEW

Newater House fundamentally revolutionizes traditional water plant construction by adopting an industrial product mindset. Using our proprietary WateRobot® AI Agent Operations Platform, we seamlessly integrate all equipment, facilities, building, and structures into a cohesive design. The entire system is prefabricated, debugged, and trial-operated in the Newater House Super Factory and delivered as a complete, intelligent unit, ready for quick assembly at the user's installation site.

Drawing from the extensive data and experience gained from more than 100 projects over 20 years, GreenTech has distilled its expertise in water plant design, equipment manufacturing, engineering construction, and operation management into the products, Newater House.

Newater House offer automated, safe and efficient management to deliver high-quality water for industrial enterprises, parks and municipality. This solution addresses water shortages, environmental capacity issues, water safety, and high costs.



House 2.0

APPLICATIONS

Newater House provides high-quality water for industrial enterprises, industrial parks and Municipality

Industrial Enterprises

Water Supply: Conventional water*/Non-conventional water**→Treated by Newater House→High-quality industrial water supply

Recycling: Wastewater meeting the discharge standards within/outside the factory→Treated by Newater House→High-quality industrial reclaimed water

Industrial Parks

Water Supply: Conventional water/Non-conventional water→Treated by Newater House→High-quality industrial water supply

Recycling: Wastewater meeting the discharge standards within parks→Treated by Newater House→High-quality industrial reclaimed water

Municipality

Water Supply: Conventional water/Non-conventional water→Treated by Newater House→High-quality drinking water/High-quality industrial water supply/Water source replenishment

Recycling: Wastewater meeting the discharge standards in Municipality→Treated by Newater House→High-quality reclaimed water/Water source replenishment

* **Conventional water:** Reservoir water, Groundwater, River water, Lake water

** **Non-conventional water:** Waster water, Mine water, Brackish water, Seawater

ADVANTAGES



Modular Design

- Standard 40ft modules with highly integrated design, saving 80% of the land area



Industrialized Production

- Factory assembly line for production, commissioning, trial operation, and final acceptance, with high-quality strict control



Rapid Installation and Delivery

- On-site assembly construction, quick installation and delivery, plug-and-play, water production capacity ranges from 2,000 to 5,000 m³/d., saving 80% of delivery time



AI Agent Operation

- The multimodal management model of the water plant integrates the DeepSeek large model, achieving unattended, safe and efficient operation, with a reduction of 80% in maintenance personnel



4S Professional Services

- Build a new O&M model combining "AI Agents + 4S On-Site Service", integrating online smart operations with offline professional, real-time, and efficient maintenance services.



PRODUCT SERIES

Product Name	Model	Standard Water Production m ³ /d	Dimensions m(*w*h)	Footprint m ²	Number of Modules (Excluding Water Tank)	Weight T	Installed Power kW	Color Appearance
Newater House Water Supply/ Reclaimed Water Series Products (Industrial Enterprises) (Industrial Parks) (Municipality)	NWHUR2.0-RO-J-X200-1/3	5000	25×13×6.5	325	12	130	~630	Traffic White Traffic Grey
	NWHUR2.0-RO-J-X400-1/3	10000	25×21×6.5	525	20	200	~1100	
	NWHUR2.0-RO-J-X600-1/3	15000	25×28×6.5	700	26	280	~1550	
	NWHUR2.0-RO-J-X800-1/3	20000	50×21×6.5	1050	36	350	~2000	
Model Description:	NWH	UR	2.0	RO-J-X200-1/3	Abbreviation for Newater House modular product series Ultrafiltration & Reverse Osmosis process Second-generation product Reverse Osmosis (core technology) water treatment equipment, using spiral-wound membrane elements, with a production capacity of 200 m ³ /h, a single-pass design with a three-stage configuration			

OPERATION CONDITIONS

Water Source: Surface water/ Groundwater/ Wastewater treatment plant effluent

Power Supply Type: TN-S

Control Power Source: AC220V/DC24V

Power Source for Operation: AC380V (±10%)/50Hz or 60Hz

Note: The parameters listed in this table are for general requirements; for operation under other special conditions, please contact us.

PERFORMANCE PARAMETERS

Water Production: 5000m³/d

Note⁽¹⁾: This parameter is better than the requirements of the World Health Organization "Drinking Water Quality Standards."

Salt Removal Rate: ≥97%

Note⁽²⁾: This parameter is better than the GB/T 1576-2018 "Water Quality for Industrial Boilers" softened water standard, and better than the GB/T 19923-2005 "Urban Wastewater Reuse - Industrial Water Quality" boiler feed water and process and product water quality standards.

Recovery Rate: ~75%

Permeate Water COD_{Mn}: ≤3 mg/L

Permeate Water TDS⁽¹⁾⁽²⁾: ≤100 mg/L

Operating Pressure: ≤16bar

Explanation 1. Other scales can be modularly extended according to demand;

2. Based on the actual influent quality conditions of the project, it may be necessary to match with other pre-treatment modules provided by GreenTech.

WateRobot® AI Agent

AI Intelligent Operation Management Platform

The AI Intelligent Operation Management Platform, built on the DeepSeek-R1 inference model, integrates proprietary process, visual, and auditory models with extensive water treatment design, technical, and operational data. It enables end-to-end intelligent management of water treatment processes, achieving unmanned, safe, and highly efficient operations.

Enabling Unmanned, Safe, and Efficient Water Plant Operations

■ Unmanned Operation:

A multi-modal integrated architecture optimizes processes, enables autonomous monitoring, predicts failures, and supports maintenance decisions—with over 90% recognition accuracy, replacing manual inspections and operational adjustments.

■ Autonomous Agent Operation:

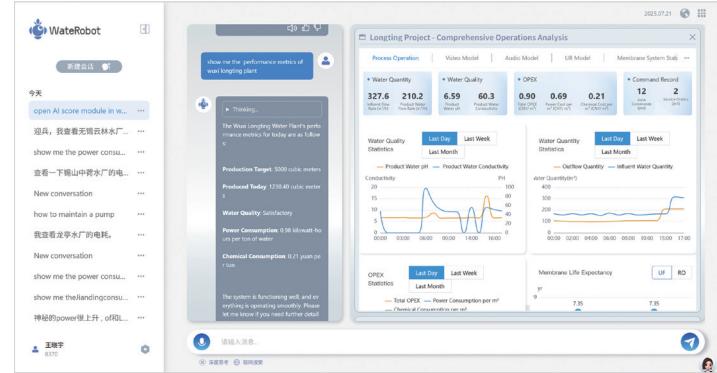
Generates 12 types of standard reports (e.g., cost analysis, equipment maintenance, operational performance) on demand, providing data-driven decision support for stable and efficient operations.

■ Intelligent Interactive Consultation:

As an AI agent, WateRobot® enables human-machine interaction, autonomously accessing SCADA systems, digital twin platforms, and other operational systems to deliver real-time visualized data and feedback.

■ Zero-Barrier Operation:

Plug-and-play functionality with natural language interaction, while retaining traditional configuration interfaces to meet ISO 9001 safety and compliance requirements.



Improving Efficiency & Reducing Costs

In Wuxi Regional Operations Center, 5 decentralized water plants have achieved full-scope intelligent management. The deployment of WateRobot® AI Agent led to 58% reduction in operational staff, 12.7% decrease in energy consumption and a new O&M model combining "AI Agents + 4S On-Site Service", integrating online smart operations with offline professional, real-time, and efficient maintenance services.

SERVICES

Newater House
provides online
and offline (O2O)
supporting
services

Online:

The AI Intelligent Operation Management Platform, built on the DeepSeek-R1 inference model, integrates proprietary process, visual, and auditory models with extensive water treatment design, technical, and operational data. It enables end-to-end intelligent management of water treatment processes, achieving unmanned, safe, and highly efficient operations.

Offline:

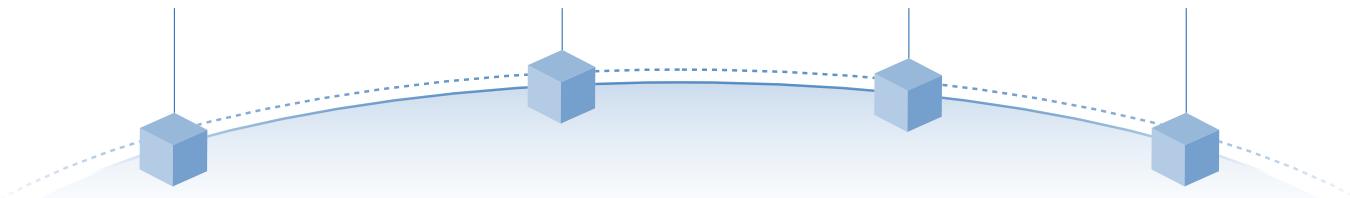
Through a professional offline team in our 4S Service Center, we provide on-site services such as preventive periodic maintenance, membrane system cleaning, and routine chemical replenishment, achieving professional, real-time, and efficient operation and management services.

• Ensure Water Quality

• Ensure Water Production

• Ensure CAPEX

• Ensure OPEX



PRACTICAL CASES



- **Wuxi Longting Newater House, Wuxi Xishan Reclaimed Water Project**

Product Series: Newater House Water Supply/Reclaimed Water Series Products in Industrial Parks

Users: Tripod Technology, Gul Technologies, Tongmeng Electronics

Capacity: 25,000 m³/d



- **Wuxi Tripod Newater House**

Product Series: Newater House Water Supply/Reclaimed Water Series Products in Industrial Enterprises

Users: Tripod Technology

Capacity: 2,500 m³/d

- **Wuxi Anzhen Newater House**

Product Series: Newater House Water Supply/Reclaimed Water Series Products in Industrial Parks

Users: Solar PV cell manufacturers

Capacity: 5,000 m³/d

Photovoltaic New Energy & Semiconductor Industry



- **Tangshan Nanpu Recycled Water Project**

Product Series: Newater House Water Supply/Reclaimed Water Series Products in Industrial Parks

Users: Tangshan Sanyou Group

Capacity: 87,000 m³/d

Chlor-alkali & Chemical Fiber Industry



GreenTech Environmental Co. Ltd.

Founded in 2004, GreenTech Environmental Co., Ltd, is a national high-tech enterprise listed on the Shanghai Stock Exchange STAR Market. GreenTech focuses on advanced water treatment and waste -to -resources utilization, providing its customers with full lifecycle solutions through investment, construction, operation, and service. GreenTech is dedicated to solving the world's water pollution, water scarcity and water security issues by water reclamation.

Stock code on SSE STAR Market: 688466

Address: 16th Floor, Tower A, Motorola Building, No. 1, Wangjing East Road, Chaoyang District, Beijing

Post code: 100102

Tel: +86-10-6439-9965

Fax: +86-10-6439-2202

Email: info@greentech.com.cn

Website: www.greentech.com.cn

