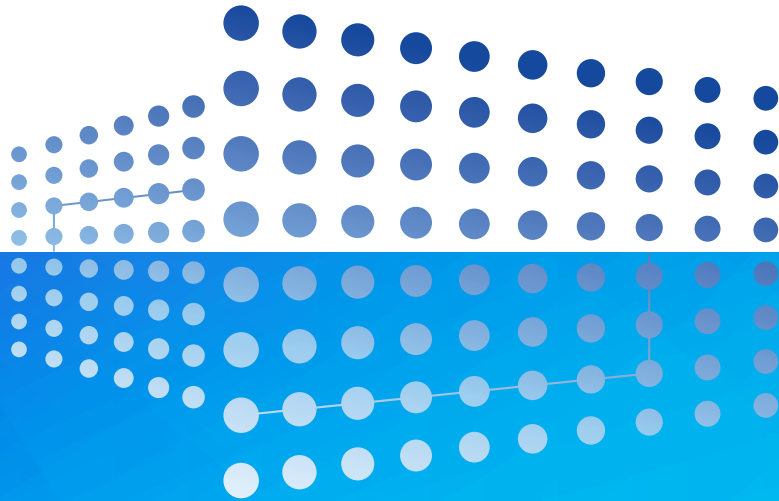


NEWATER
HOUSE



Newater House[®] 2.0

GREENTECH

Water Treatment Robot,
Delivering New Water Faster,
Smarter, and at Lower Cost

Newwater



OVERVIEW

Water Treatment Robot—Newater House® redefines the traditional water plant construction model from the ground up by applying an industrial product development mindset. Powered by WateRobot®, the AI-driven intelligent operations platform independently developed by GreenTech, Newater House® features a highly integrated design that brings together all plant equipment and facilities as well as buildings and structures into a single, cohesive system. Manufacturing, commissioning, and trial operation are completed in the Newater House Super Factory, after which the water treatment robot is rapidly assembled and delivered on site—enabling fast deployment, standardized quality, and intelligent operation.

Leveraging insights and operational data from over 100 projects spanning 20 years, GreenTech has transformed its deep expertise in water plant design, equipment manufacturing, engineering construction, and operations management into Newater House—a fully productized intelligent water plant solution.

Newater House offers automated, safe and efficient management to deliver high-quality water for industrial enterprises, industrial parks and municipal applications.. It effectively addresses challenges such as water scarcity, limited environmental carrying capacity, water safety risks, and high operating costs.

- * Newater House® was awarded the certification of "AI Industry Innovation Scenario Application Case" by the Digital Technology Center of the Industrial Culture Development Center, Ministry of Industry and Information Technology (MIIT).
- * Newater House® was selected into the "Catalog of Industrial Water-Saving Processes, Technologies, and Equipment Encouraged by the State(2025)" compiled by the Ministry of Industry and Information Technology and the Ministry of Water Resources.
- * Newater House® has been awarded "China Environmental Protection Product Certification" and "Beijing Certificate of New Technologies, New Products and New Services".

Newater 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: Regulation-compliant wastewater 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: Regulation-compliant wastewater from industrial park→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: Regulation-compliant municipal wastewater→Treated by Newater House→High-quality reclaimed water/Water source replenishment

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

Non-conventional water : Wastewater, Mine water, Brackish water, Seawater

ADVANTAGES



Modular Design

- 40-foot modular units with a highly integrated design, achieving up to 90% reduction in footprint area



Industrialized Production

- Industrialized production through factory assembly lines, ensuring strict quality control during commissioning, trial operation, and final acceptance



Rapid Installation and Delivery

- Rapid on-site assembly for immediate use, reducing delivery time by 90%



AI-powered autonomous operation

- The water plant utilizes AI-driven multi-modal management, incorporating a domestic large language reasoning model for unmanned, safe, and efficient operation, reducing operational staff by 90% and reducing lifecycle costs by 50%



4S specialized service

- Developing a new operational and maintenance model combining AI agents with 4S on-site service, linking online intelligent operations with offline professional, real-time, and efficient maintenance services



PRODUCT SERIES

Product Name	Model	Standard Water Production m³/d	Dimensions m(l*w*h)	Footprint m²	Weight T	Installed Power kW
UR Series	NWH-UR-5000	5000	22.8×12.5×5.3	285	171	580
	NWH-UR-7500	7500	22.8×18.7×5.3	426	248	840
	NWH-UR-10000	10000	22.8×24.9×5.3	568	310	1065
	NWH-UR-12500	12500	22.8×31.0×5.3	707	419	1420

Model Description	NWH	UR	Water Source
	Newater House	Ultrafiltration & Reverse Osmosis process	Wastewater treatment plant effluent / Surface water

Product Name	Model	Standard Water Production m³/d	Dimensions m(l*w*h)	Footprint m²	Weight T	Installed Power kW
SW Series	NWH-SWS-2500	2500	22.8×12.5×5.3	285	177	810
	NWH-SWS-5000	5000	22.8×22.8×5.3	520	294	1275
	NWH-SWD-2500	2500	22.8×14.6×5.3	333	236	1400
	NWH-SWD-5000	5000	22.8×24.8×5.3	565	385	1960

Model Description	NWH	SWS	SWD	Water Source
	Newater House	Seawater Desalination_Single Stage	Seawater Desalination_Dual Stage	Seawater

Product Name	Model	Standard Water Production m³/d	Dimensions m(l*w*h)	Footprint m²	Weight T	Installed Power kW
BW Series	NWH-BW-2500	2500	22.8x8.4x5.3	192	110	380
	NWH-BW-5000	5000	22.8×12.5×5.3	280	173	630
	NWH-BW-7500	7500	22.8×18.7×5.3	426	251	915
	NWH-BW-10000	10000	22.8×24.9×5.3	568	314	1165
	NWH-BW-12500	12500	22.8×31.0×5.3	707	424	1545

Model Description	NWH	BW	Water Source
	Newater House	Brackish Water	Brackish Water

Product Name	Model	Standard Water Production m³/d	Dimensions m(l*w*h)	Footprint m²	Weight T	Installed Power kW
UF Series	NWH-UF-3500	3500	22.8x6.4x5.3	146	84	220
	NWH-UF-7000	7000	22.8x8.4x5.3	192	121	310
	NWH-UF-10500	10500	22.8x10.5x5.3	239	158	400

Model Description	NWH	UF	Water Source
	Newater House	Ultrafiltration Process	Surface water

WaterRobot® AI Agent

Product Positioning

An AI-driven system that delivers safe and efficient operation of unmanned water plants, ensuring autonomous, reliable, and high-performance operation.

Features

WaterRobot® is an AI agent that not only analyzes and thinks but also autonomously takes action to complete tasks and achieve objectives. Unlike traditional software tools, it directly delivers tangible value, making it a true AI-driven solution for real-world outcomes.

Overview

WaterRobot® AI Agent is an unmanned, AI-driven system that autonomously manages water plant operations by replacing human tasks. It incorporates GreenTech's self-developed process optimization models, alongside AI models for computer vision, auditory sensing, and infrared, to ensure real-time environmental awareness. By leveraging large language reasoning models, it enables predictive maintenance of equipment and processes. The system operates within a closed-loop Online to Offline framework, ensuring the safe, efficient, and cost-effective operation of water plants with optimal performance and minimal human intervention.

Applications

By implementing WaterRobot® and NewaterHouse® solutions, 5 water plants and 1 operation service center in Wuxi were efficiently managed by just 10 staff, leading to a 90% decrease in labor, 50% reduction in equipment failure rates, 15% lower chemical costs, 30% lower electricity consumption, and a 35% reduction in overall operational costs. This project also introduced an innovative distributed, unmanned operation management model for the region.



MIIT Certification

In 2026, Newater House® Water Treatment Robot was awarded the certification of "AI Industry Innovation Scenario Application Case" by the Digital Technology Center of the Industrial Culture Development Center, Ministry of Industry and Information Technology (MIIT).

PRACTICAL CASES



Thermal Power

- **Wuxi Longting Newwater House**
Capacity: 5,000 m³/d
Users: Nengda Thermal Power Co., Ltd.
- **Newwater House of Shijiazhuang Yuhua Thermal Power Plant, CHD**
Capacity: 10,000 m³/d
Users: Shijiazhuang Yuhua Thermoelectric Co., Ltd.

Electronics Manufacturing Industry

- **Wuxi Jianding Newwater House**
Capacity: 2,500 m³/d
Users: Tripod (Wuxi) Electronic Co., Ltd.
- **Henan Lankao Newwater House**
Capacity: 5,000 m³/d
Users: Fulian Technology (Lankao) Co., Ltd.
- **Jiangsu Yancheng Newwater House**
Capacity: 5,000 m³/d
Users: Dongshan Precision Manufacturing Co., Ltd.



New Energy Industry

- **Wuxi Anzhen Newwater House**
Capacity: 5,000 m³/d
Users: Huasun New Energy Technology Co., Ltd.
UtmoLight Technology Co., Ltd.
XinDong Semiconductor Technology Co., Ltd.
- **Zhejiang Zhoushan Newwater House**
Capacity: 5,000 m³/d
Users: Zhejiang Winhitech New Energy Co., Ltd.

New Materials Industry

- **Shanxi Yangqu Newwater House**
Capacity: 2,000 m³/d
Users: Shanxi Horizon New Material Technology Co., Ltd.



Chlor-Alkali and Synthetic Fiber Industry

- **Tangshan Nanpu Recycled Water Project**
Capacity: 87,000 m³/d
Users: Tangshan Sanyou Group Co., Ltd.



GreenTech Environmental Co. Ltd.

For over 20 years, Greentech has focused on high-quality water solutions. Powered by the AI-driven water production robot, Newater House®, the company has redefined traditional water plant construction by enabling standardized, scalable replication. Compared with conventional engineering-based plants, Newater House® reduces land footprint by 90%, delivery time by 90%, and operating personnel by 90%, while lowering lifecycle costs by 50%. This disruptive transformation enables distributed deployment of water plants across workshops, industrial parks, and cities, promoting efficient water recycling and bringing humanity closer to true water freedom.

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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: <https://www.greentech.com.cn/en/>

Linkedin: <https://www.linkedin.com/company/gt-environmental>

