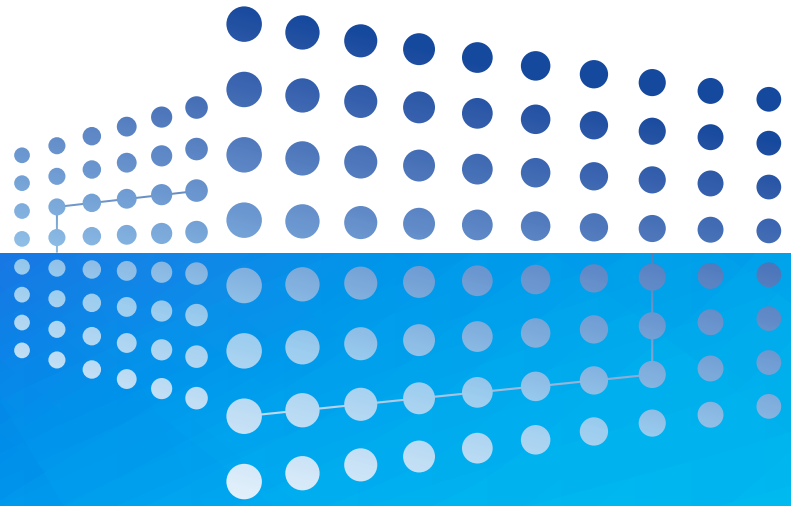
NEWATER HOUSE



Newater House® 2.0

GREENTECH

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

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 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 obtained the MIIT Certificate of AI Industry Innovation Scenario Application Case, the China Environmental Protection Product Certification and the Beijing Certificate of New Technologies, New Products and New Services.

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

- On-site assembly with rapid installation and immediate use, covering water production capacities from 1,000 to 50,000 tons per day, and cutting 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 m^3/d	Dimensions m(l*w*h)	Footprint m^2	Number of Modules (Excluding Water Tank)	Weight T	Installed Power kW	Color Appearance
Water Treatment Robot	NWHUR2.0-RO-J-X40-1/3	1000	24.4×7.3×3.2	183	3	90	200	Traffic White RAL9016 Traffic Grey RAL7043
	NWHUR2.0-RO-J-X100-1/3	2500	24.4×9.8×6.2	240	8	140	600	
	NWHUR2.0-RO-J-X200-1/3	5000	25.2×12.5×6.3	315	12	170	750	
	NWHUR2.0-RO-J-X300-1/3	7500	24.4×19.5×6.2	476	16	200	900	
	NWHUR2.0-RO-J-X400-1/3	10000	24.4×24.4×6.2	595	20	230	1050	

* Demands for a water production capacity of more than 10,000 m^3 can be fulfilled by combining the 2500~10000 model series.

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 robot, using spiral-wound membrane elements, model 200, a single-pass design with a three-stage configuration

OPERATIONAL 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. Special requirements can be met with customization.

PERFORMANCE PARAMETERS

Water Production: 5000m^3/d

Salt Removal Rate: ⩾97%

Recovery Rate: ~75%

Permeate Water COD_{Mn}: ⩽5mg/L

Permeate Water TDS(1)(2): ⩽100mg/L

Operating Pressure: ⩽16bar

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

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.

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

Product Positioning

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

Features

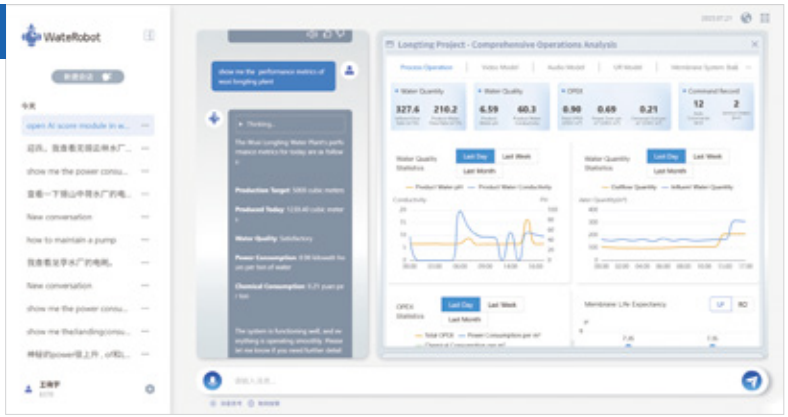
WateRobot® is an AI agent that not only analyzes and thinks but also autonomously takes action to complete tasks and achieve objectives. Unlike traditional software tools, it directly delivers tangible value, making it a true AI-driven solution for real-world outcomes.

Overview

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

Electronics Manufacturing Industry

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

New Energy Industry

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

Chlor-Alkali and Synthetic Fiber Industry

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

New Materials Industry

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

Stock code on SSE STAR Market: 688466

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