



**HDW**  
INSIGHTS TO IMPACT

**WATER IS FINITE**  
**WE OPTIMIZE IT TODAY**  
**FOR A THRIVING**  
**TOMORROW**



# CATALYZING CHANGE IMPACTING LIVES

HNW isn't just an acronym that we carry as our trademark, it's a commitment that represents what we stand for—Hygiene and Water.

Finding answers to the world's challenges and improving the quality of life is something that we put our heart and soul into.

Our solutions serve the needs of businesses across industries and communities across borders. We work to build a sustainable world that opens up countless possibilities for posterity.

## Our Promises



**Customized  
Solutions**



**Enhanced  
Hygiene**



**Improved  
Water Quality**



**Exponential  
ROI**



**Compliance  
Assurance**



**Long-term  
Partnerships**



## FROM INSIGHTS TO IMPACT: SOLUTIONS FOR ENDLESS POSSIBILITIES

We believe the best way to deliver a solution is to start with insights. Because insights give directions, which lead to answers. Answers for business success, people's health, and a sustainable future.



## HOW INSIGHT-DRIVEN APPROACH POSITIVELY IMPACTS ROI

At HNW, our insight-driven methodology generates exponential returns by optimizing your industrial hygiene and water treatment operations. Through in-depth analysis of your facilities, processes, and goals, we uncover opportunities for improvement often overlooked by product-centric suppliers.



### HNW Gaurdian Program

#### INSIGHTS

#### IMPACT



Audit &  
Analysis



Optimization:  
Mechanical  
Operational  
Chemical



Impact  
Assessment



Efficiency  
Monitoring &  
Reporting



Communication  
& Customer  
Support



Training &  
Knowledge  
transfer

HNW SMART PLANT PROGRAM:

# FROM INSIGHTS TO IMPACT

Mitigating the bottlenecks in the operations and improving the plant efficiency are at the core of the Plant Performance Program.

Our insight-driven approach covers the mechanical, operational, and chemical aspects of the water treatment plant, contributing to sustainable and optimal performance.



## | MOC Excellence for a maximum plant performance

Mechanical	Operational	Chemical
Optimizing equipment performance.	Refining operational protocols.	Scale prevention
Prolonging the lifespan of machinery.	Introducing training programs to staff.	Corrosion control
Reducing maintenance costs.	Streamlining processes through automation.	Microbial management
	Ensuring consistent and efficient plant operations.	Membrane protection
		pH balance

## | Outcomes that Propel Your Business



Reduced  
Operational Costs



Extended  
Asset Life



Improved Product/  
Service Quality



Risk  
Mitigation



Environment  
Compliance



Enhanced  
Operational Efficiency

# HOW IT WORKS

1	Site Assessment and Audit	A thorough assessment of the water treatment plant and auditing existing equipment, processes, and chemical usage.
2	Water Quality Analysis	Analyzing the raw water quality to identify impurities and contaminants and determine the specific composition of the water.
3	Mechanical Optimization	Evaluating and optimizing mechanical equipment, including pumps, filters, and membranes. Implementing preventive maintenance programs for mechanical systems.
4	Operational Optimization	Reviewing and refining operational protocols and procedures. Providing training to plant operators on best practices. Implementing process automation and control systems for efficiency.
5	Chemical Treatment Optimization	Conducting a detailed chemical analysis of the water treatment process. Selecting and optimizing the use of specialty chemicals for scale prevention, corrosion control, microbial control, membrane protection, and pH control.
6	Dosage Control and Monitoring	Implementing precise chemical dosage control systems and adjusting them based on real-time water quality data.
7	Efficiency Monitoring and Reporting	Implementation of monitoring and reporting systems to track key performance indicators.
8	Environmental Impact Assessment	Evaluation of the environmental impact of water treatment processes and implementation of eco-friendly alternatives.
9	Training and Knowledge Transfer	Conducting training programs for plant personnel on the optimal use of equipment and chemicals.
10	Continuous Improvement	Periodical reviews and refinement of the water treatment process based on performance data and technological advancements.
11	Regulatory Compliance	Ensuring the water treatment plant's compliance with relevant regulatory standards.

A person wearing a high-visibility orange and yellow safety vest over a blue and white plaid shirt is holding a clipboard and a pen, writing on the clipboard. The background is a blurred industrial setting with metal structures and pipes.

# WATER SPECIALTY SOLUTIONS

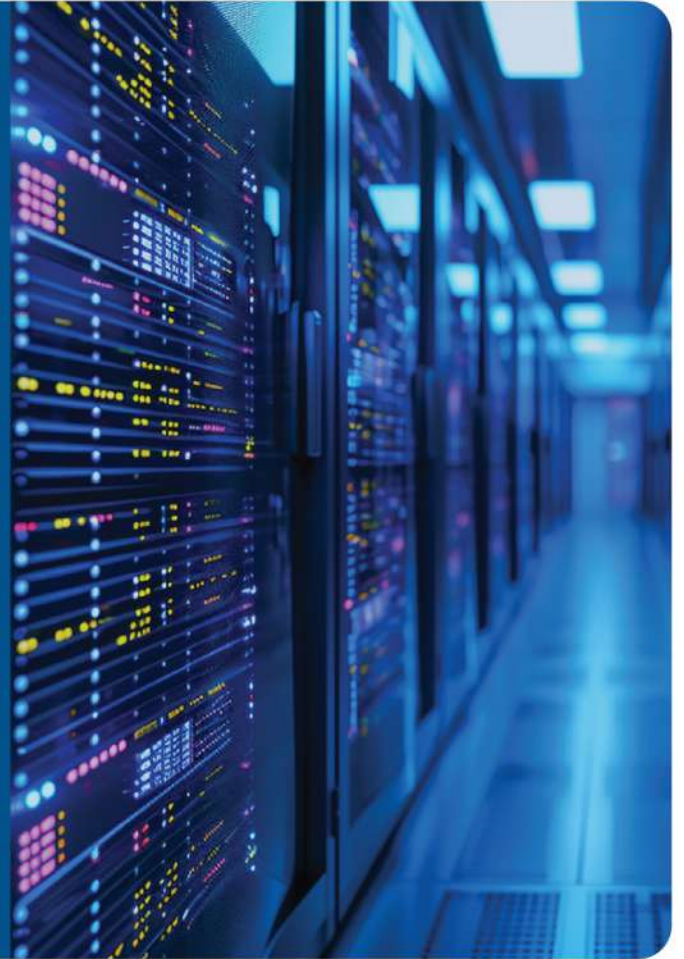
## A Smart Way of Discovering Gaps

The main goal of the Smart Plant Program is to identify and address the gaps between a customer's current operational state and their desired optimal state. This is achieved through a comprehensive auditing process that evaluates three key areas: mechanical systems, operational processes, and chemical treatment systems (MOC).

## DATA CENTERS & INSTITUTIONS

### PIONEERING WATER TREATMENT FOR DATA CENTERS

Our decade of expertise allows for crafting unique approaches tailored to each data center's water usage and performance requirements. Our solutions enhance cooling system efficiency by reducing energy consumption by up to 30%, ensuring regulatory compliance, minimizing downtime risks by up to 40%, and cutting water consumption by up to 50% for greener operations. A dedicated team provides ongoing maintenance, monitoring, and support to maximize performance and ROI.



## MANUFACTURING

### SUSTAINABLE WATER TREATMENT LEADERSHIP FOR AUTOMAKERS

HNW provides innovative, customized water treatment solutions tailored to automotive manufacturers' unique needs worldwide. Advanced technologies like filtration, purification, and corrosion control drive operational excellence and quality assurance that meets stringent regulations. Our solutions optimize resource utilization, minimize waste, reduce costs, conserve water, and enhance energy efficiency and sustainability.

## FOOD & BEVERAGES

### WATER TREATMENT PARTNER FOR EFFICIENT F&B OPERATIONS

HNW provides customized water treatment solutions crafted for food and beverage facilities' unique needs to ensure optimal water quality, safety, and regulatory compliance. Our solutions optimize resource usage, minimizing waste while reducing water use by up to 30% and energy costs by up to 25%. Standards conformance provides compliance confidence and mitigates risks. A sustainability focus with water conservation, energy efficiency, and environmental stewardship reduces carbon footprint.



## PHARMACEUTICALS

### ENSURING COMPLIANCE AND EFFICIENCY: ADVANCED WATER TREATMENT FOR PHARMA PLANTS

We offer customized water treatment solutions purpose-built for pharma's stringent requirements. Our solutions maximize savings by optimizing resources, reducing water usage up to 25% and energy costs up to 20%. A sustainability focus on water conservation, energy efficiency, and environmental responsibility supports compliance.





# HOW HNW'S COMPREHENSIVE WATER TREATMENT HELPS YOU MAXIMIZE YOUR ROI

Our comprehensive assessments quantify cost savings, efficiency gains, and environmental benefits across all aspects of water treatment. This empowers informed investment decisions to maximize your ROI.

## | Water Savings Analysis

Identifying opportunities to reduce water consumption and associated costs through our tailored solutions.

## | Energy Efficiency Evaluation

Optimizing energy usage in water treatment processes, and decreasing utility expenses.

## | Chemical Treatment Optimization

Implementing advanced solutions to minimize chemical usage and costs.

## | Equipment Performance Enhancement

Improving the efficiency of the equipment, extending their lifespan, and reducing maintenance/downtime costs.

## | Regulatory Compliance Assurance

Ensuring adherence to regulatory standards, and avoiding penalties and fines.

## | Environmental Impact Reduction

Decreasing water, energy use, and chemical discharge for sustainability.

## | Process Optimization Insights

Enhancing productivity, quality, and uptime for improved profitability.



# BUILDING TOWARD A MORE SUSTAINABLE TOMORROW

The earth is confronted with challenges like never before. The crisis around climate change, global health, water scarcity, exploitation of biodiversity, and so forth make life difficult for a growing population.

We're continuously working to align our services, solutions, practices, and policies with global sustainable efforts and strengthening the efforts made to address global challenges.

## | Our Sustainability Goals

### | Minimized Waste and Pollution

By switching to eco-friendly products, recycled and reusable packaging materials; and by implementing proper waste management practices.

### | Bio-Diversity and Ecosystem Conservation

By supporting local and organic agriculture; planting trees and native plants; and participating in conservation initiatives.

### | Water Conservation

By setting up rainwater harvesting systems; and installing systems to save and reuse water.

### | Reduced Carbon Emission

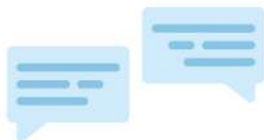
By switching to green transportation modes for our supply chain.

# SCHEDULE A VIRTUAL CONSULTATION

HNW Advisors can walk you through our solutions and answer any questions you may have.

Connect with us to take the first step in driving the results. An online consultation spanning 15-30 minutes is all it takes to break the ice.

## | What You Can Expect



A detailed conversation about your needs /problems.



Brainstorming of the opportunities for improvements.



Discussing roadmap, scope of work, and budget.



Scan to Schedule  
a Online Consultation



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