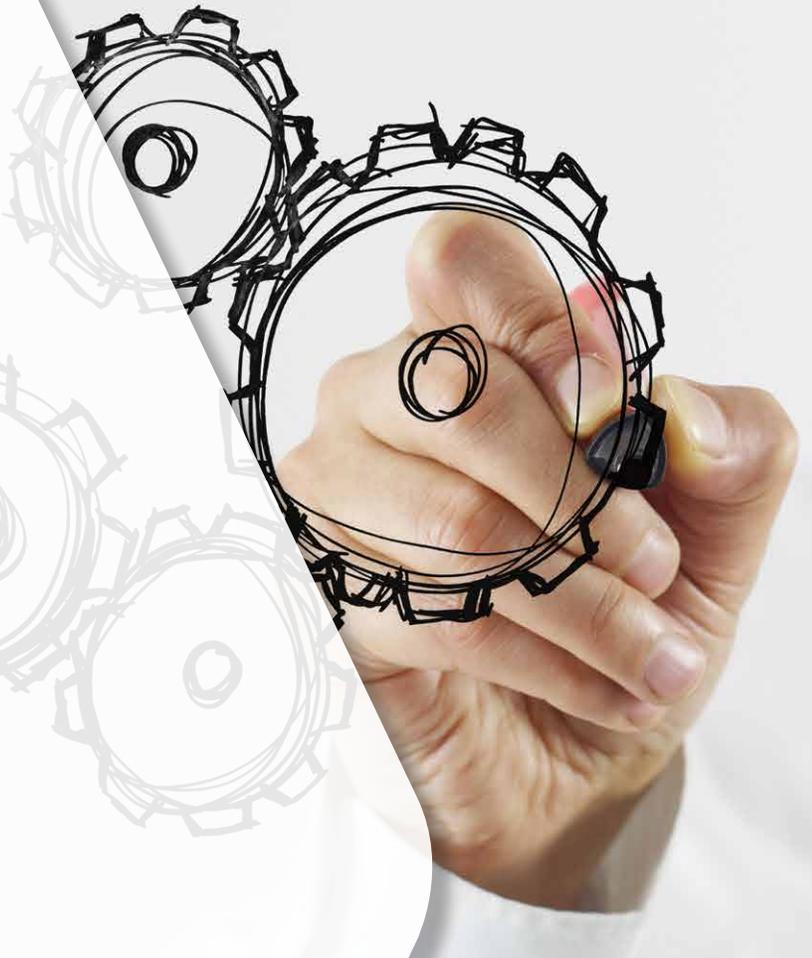




waterMaze
WATER TREATMENT SYSTEMS

**Your Water Treatment Technology Partners
for Wash Water & Industrial Water Treatment**

**Design | Supply | Integration
Installation | Maintenance**



The Challenge for Businesses that Use Water



Your Business Uses Water –

Where does it go and what does it cost you?

For many businesses, water is a tool for production. Used for cleaning, cooling, or other purposes, water is an essential component to many industrial processes. But where does it go once its work is done – and what does it cost your business?



Environmental Stewardship

We all want to be good stewards of the environment, preserving and protecting water sources, wildlife habitat and outdoor recreation. Minimizing the impact that water processing poses on our environment while controlling business operation costs at the same time — that is a challenge.

PUBLIC HEALTH | **Maximum Concentration**
source control | **EPA** | **state water board**
NPDES
Clean Water Act
TOTAL MAXIMUM DAILY LOAD | **Department of Environmental Quality**
 $\Sigma WLA + \Sigma LA + MOS$ | **STATE EPA**
Sustainable Water INFRASTRUCTURE

Regulations

Wastewater regulations continue to change and compliance costs continue to increase. Best management practices can also be costly to implement and maintain. However, the risks and costs of non-compliance can be worse. Companies that use water are faced with a tough choice – implement a water management plan or put their business at risk.



Cost of Disposal

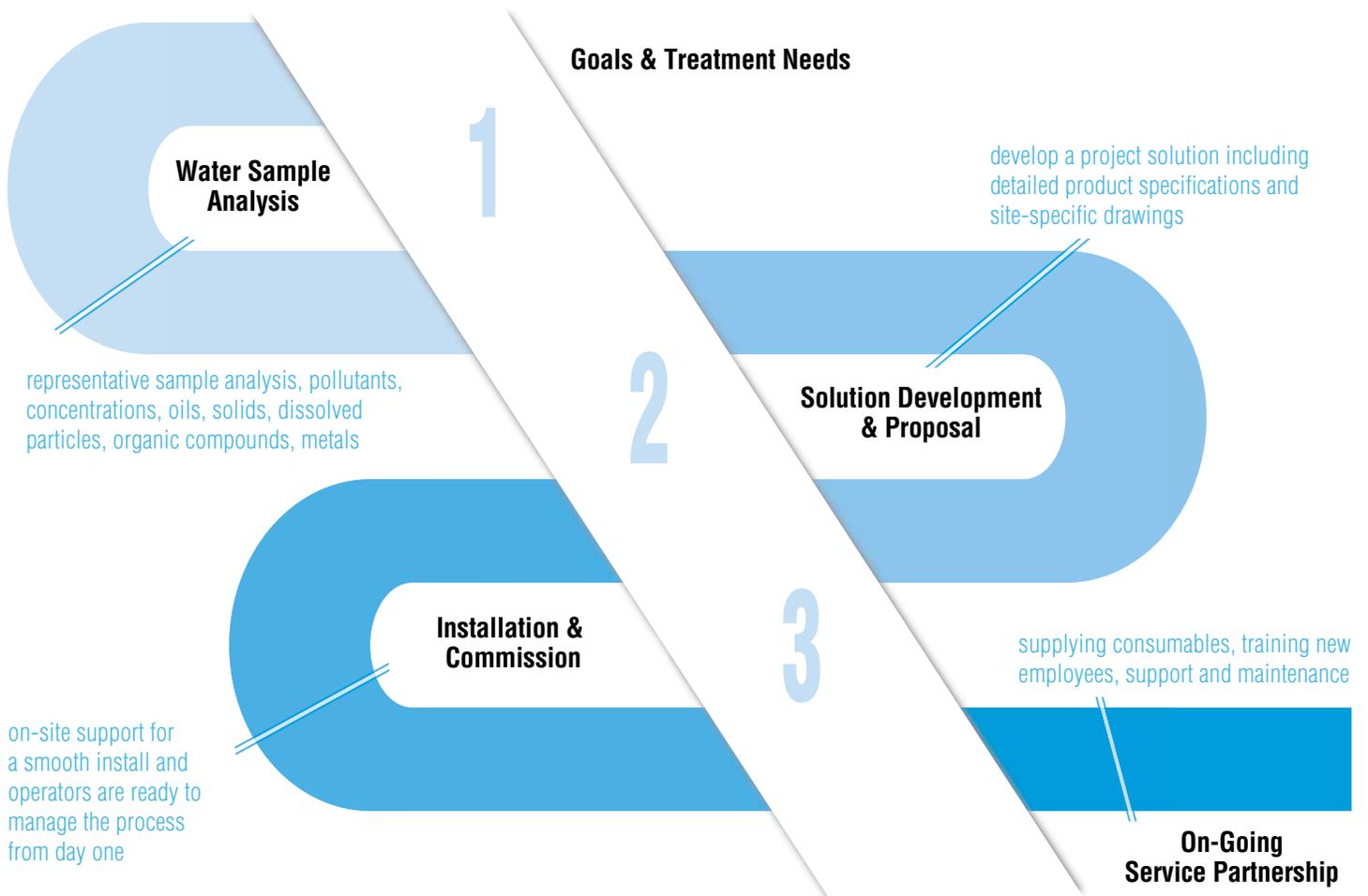
A common wastewater management practice is to haul water off-site for disposal. While easy to implement, the cost of this practice quickly adds up. At the typical cost range of \$0.50 to \$2.50 per gallon, disposal can easily drain thousands of dollars per month from your operation.

Every treatment system is optimized to produce the required effluent quality at the lowest operating cost.

We evaluate treatment requirements against best available technologies and select the optimum combination to meet required objectives. Systems can be designed to permit reuse/recycle, discharge to sewer* or evaporation of your waste stream – often resulting in virtually zero-discharge systems.



How We Develop Your Solution



*Subject to local regulations and permits

Our Technologies, Products, and Services

Containment, Collection, & Pretreatment

- Collection pits and sumps
- Pump systems and controls
- Collection system design and layout assistance

Oil & Heavy Solids Separation

- Oil water separators
- Gravity and kinetic settling tanks

Clarification & Separation

- Coalescing tanks
- Chemical enhanced clarification
- Coagulation and flocculation – electro, polymer and modified clay
- Electro coagulation
- Biological digestion

Final Polishing

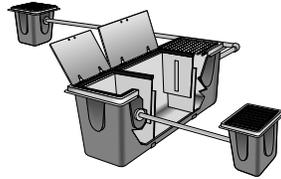
- Filtration
- Ozone and ultraviolet bacteria control
- Chemical disinfection

Controls & Integration

- Operator control panel
- Operation with variable programmability
- Treatment system integration skid-mounted turnkey or site-built

Effluent Management

- Recycle
- Compliant discharge
- Evaporation



Collection Pits & Management

Reinforced fiberglass pits are an economical method for in-ground, oil-water separation. They also provide an ideal way to pre-treat wash water. The 3-stage collection pit is designed to utilize our oil collecting plates in the center chamber for enhanced separation.



Electro Coagulation

This effective process removes suspended solids, emulsified oils and heavy metals from wastewater. Our EC2-20A uses advanced electro-coagulation combined with chemical flocculation to enhance and speed up removing constituents.



Clarifiers

No other wash water treatment system is as versatile and modular as the Water Maze CL. A stand-alone unit or as part of a system, the CL models are capable of pre-treatment, sewer discharge or recycling of wash water with flow rates of up to 30 gallons per minute.



Bioremediation

The Water Maze CLB series employs the latest in bio-technology for treating and recycling commercial and industrial wastewater, even applications with a high organic content in the wash water. The BioSystem naturally converts common wash water organic contaminants into harmless water and carbon dioxide.



Deep Bed Media Filtration

The CLP is the standard for today's automated wash water recycling systems. Using a digital sequencer to monitor and control the filtering, recirculating, filter backwashing, and sludge dumping functions.



Indexing Polishing Filter

Employing various micron size media paper to filter out particulates in water, the IPF can support another treatment technology by receiving and distributing influent water particulates across media paper.



Chemical Coagulation

Advanced chemical treatment systems add a chemical coagulant and polymer to the treatment process to efficiently remove suspended solids and emulsified oils. Combine with a recycle module to easily manage the flow of treated water for reuse.



Evaporation

Our high-efficiency HBG wastewater evaporators combine hot-plate technology with a unique combustion chamber. Heated by natural gas, the HBG is able to evaporate wastewater up to 30 gallons per hour.

Who We Are and What We Offer



Manufacturing Center of Excellence

All Water Maze products are built and tested in Camas, Washington. Our 200,000 square foot manufacturing center has been ISO 9001 and 14001 certified for more than 10 years. Every product is tested before shipping to ensure high quality and reliability.

Solutions

We manufacture the building blocks that are integrated into complete water treatment solutions. We tailor our wide array of technologies to each customer's application and requirements.



Design Engineers & Technical Experts

Our team of design engineers and service technicians have decades of experience in industrial water processes. We have designed and installed thousands of installations across the country that are treating and recycling millions of gallons of water every day.

System Design

Every project is a partnership between the customer, Water Maze engineers, and your local dealer expert. We do not simply sell products — we provide integrated solutions designed to meet your needs.

Water Analysis

We provide a comprehensive evaluation of your wastewater and use that information to develop an optimized system designed to treat it to the standard of your application.



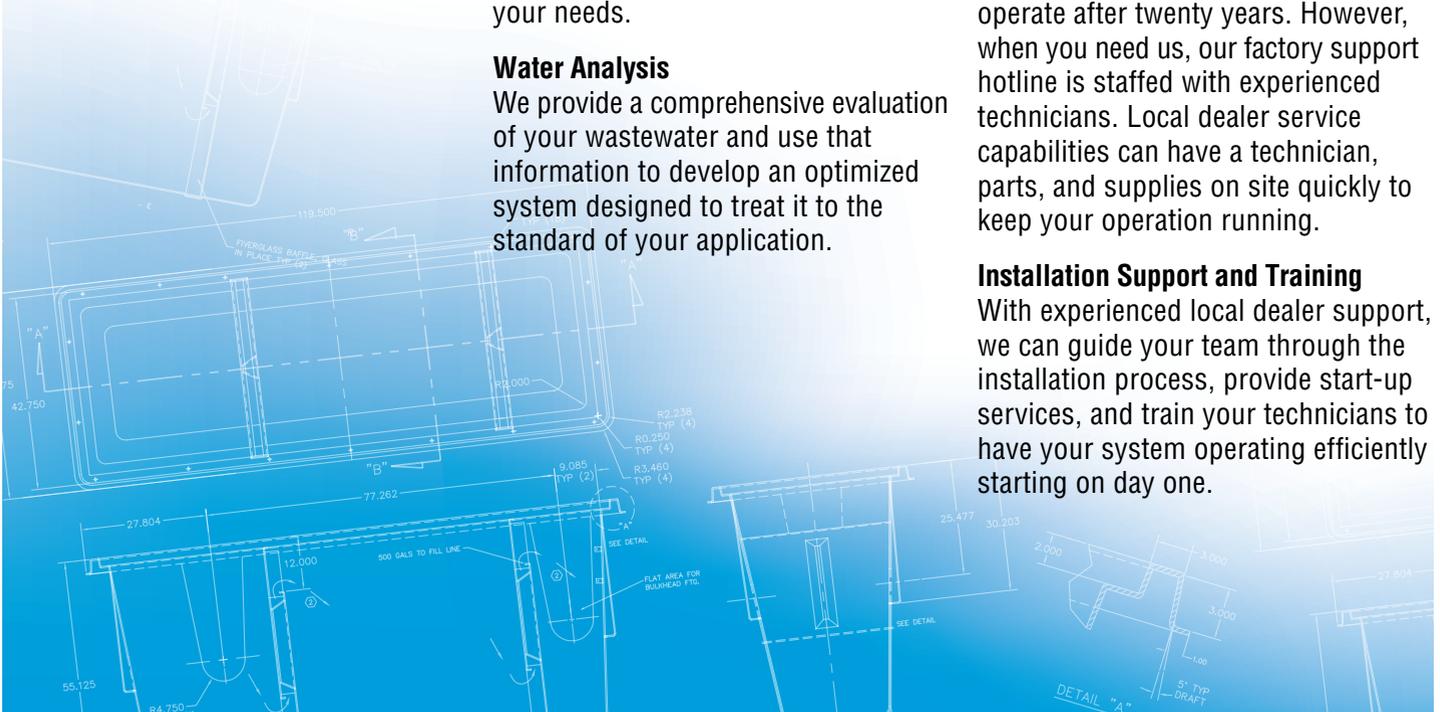
Local Expertise & Support

The Water Maze service network is available throughout North America. Trained technicians are available for start-up, service and ongoing operational support. From initial design consultations to after-sale support, we have expertise to assist every step along the way.

Water Maze treatment systems are designed to provide many years of reliable service with minimal repair and maintenance downtime. We are proud to have systems continuing to operate after twenty years. However, when you need us, our factory support hotline is staffed with experienced technicians. Local dealer service capabilities can have a technician, parts, and supplies on site quickly to keep your operation running.

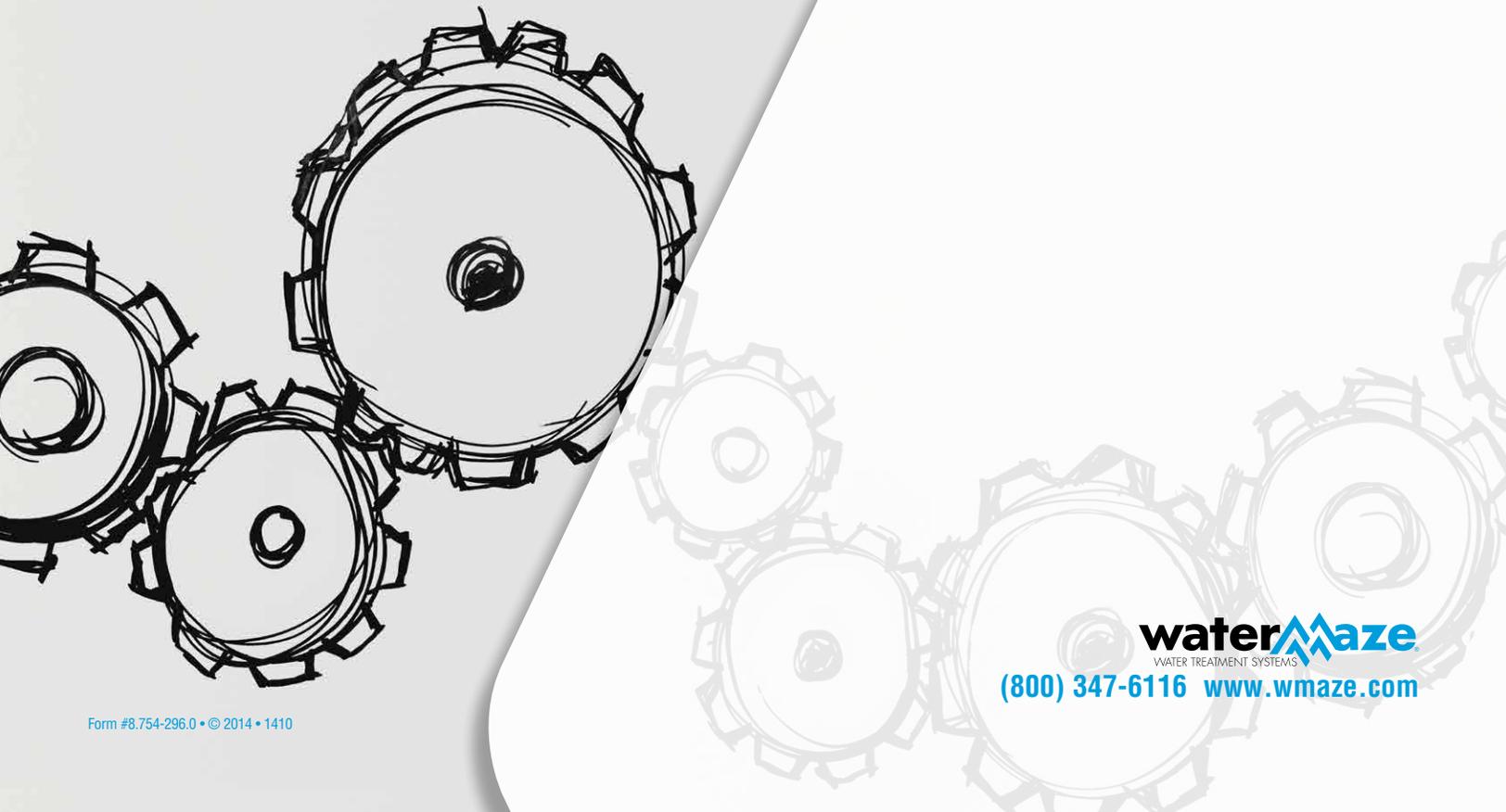
Installation Support and Training

With experienced local dealer support, we can guide your team through the installation process, provide start-up services, and train your technicians to have your system operating efficiently starting on day one.





Your Authorized Water Maze Dealer



waterMaze
WATER TREATMENT SYSTEMS
(800) 347-6116 www.wmaze.com