



# Integrating Water Treatment Process Technology into Custom Systems

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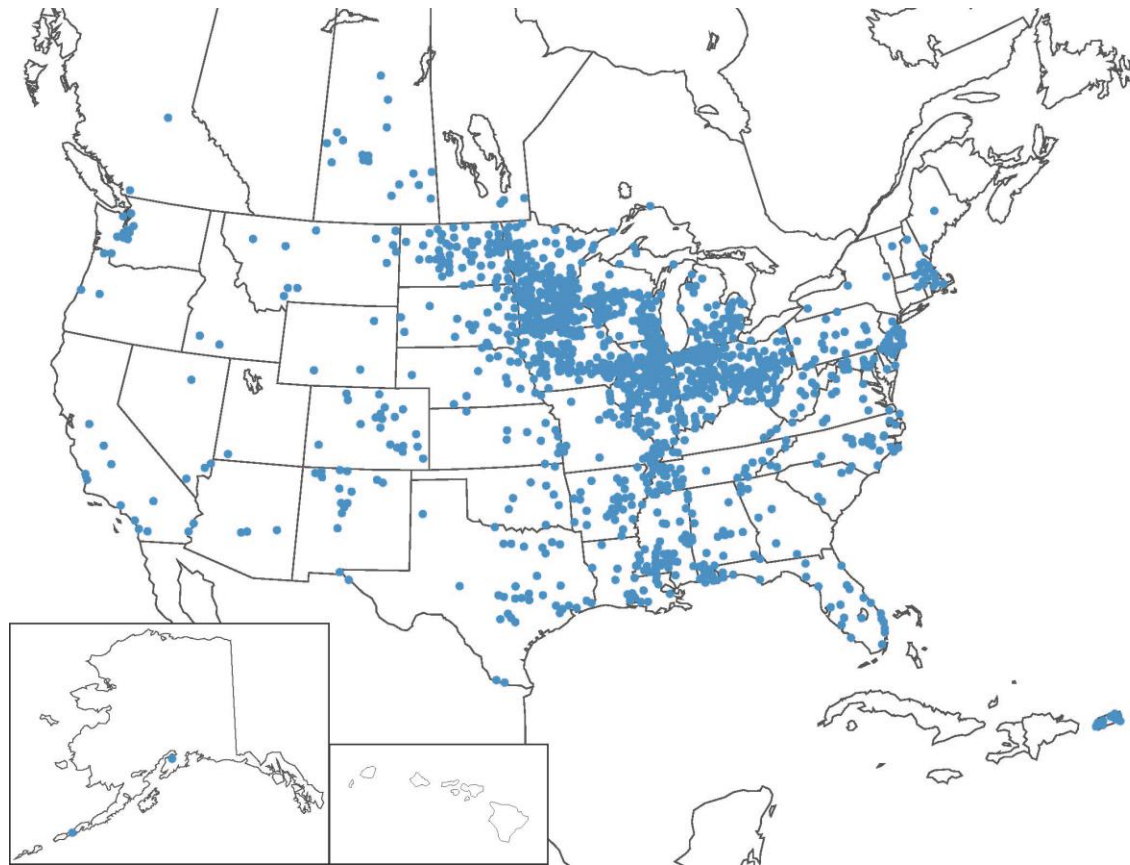


# Tonka Water History



- Tonka Water is a privately held company started in 1956 as Tonka Equipment Company
- In the beginning, Tonka Equipment Company was a regional firm that gradually expanded its presence to establish itself as a national firm by the 1990's.
- In the last decade we started to grow internationally and received the honor of the 2014 Governor's International Trade Award.
- Today...

# Tonka Water Experience



Tonka Water is a Treatment Process Specialist and Equipment Manufacturer with more than 2300 custom designed water treatment systems throughout North America and select international sites.

# Tonka Water Markets

Tonka Water experience spans applications in surface water, groundwater, reuse, environmental remediation, commercial and industrial projects in a broad range of markets:

- Municipal
- State/Federal Government
- Tribal Sovereign Nations
- Military
- Private Water Companies
- Industrial





# Project Delivery

Tonka Water offers a full spectrum of design, manufacturing and process support throughout the life of a project.

Piloting & Engineering Support



Life Cycle Cost Analysis



Customized & Innovative Design



Quality Manufacturing



Installation Supervision



Commissioning & Training

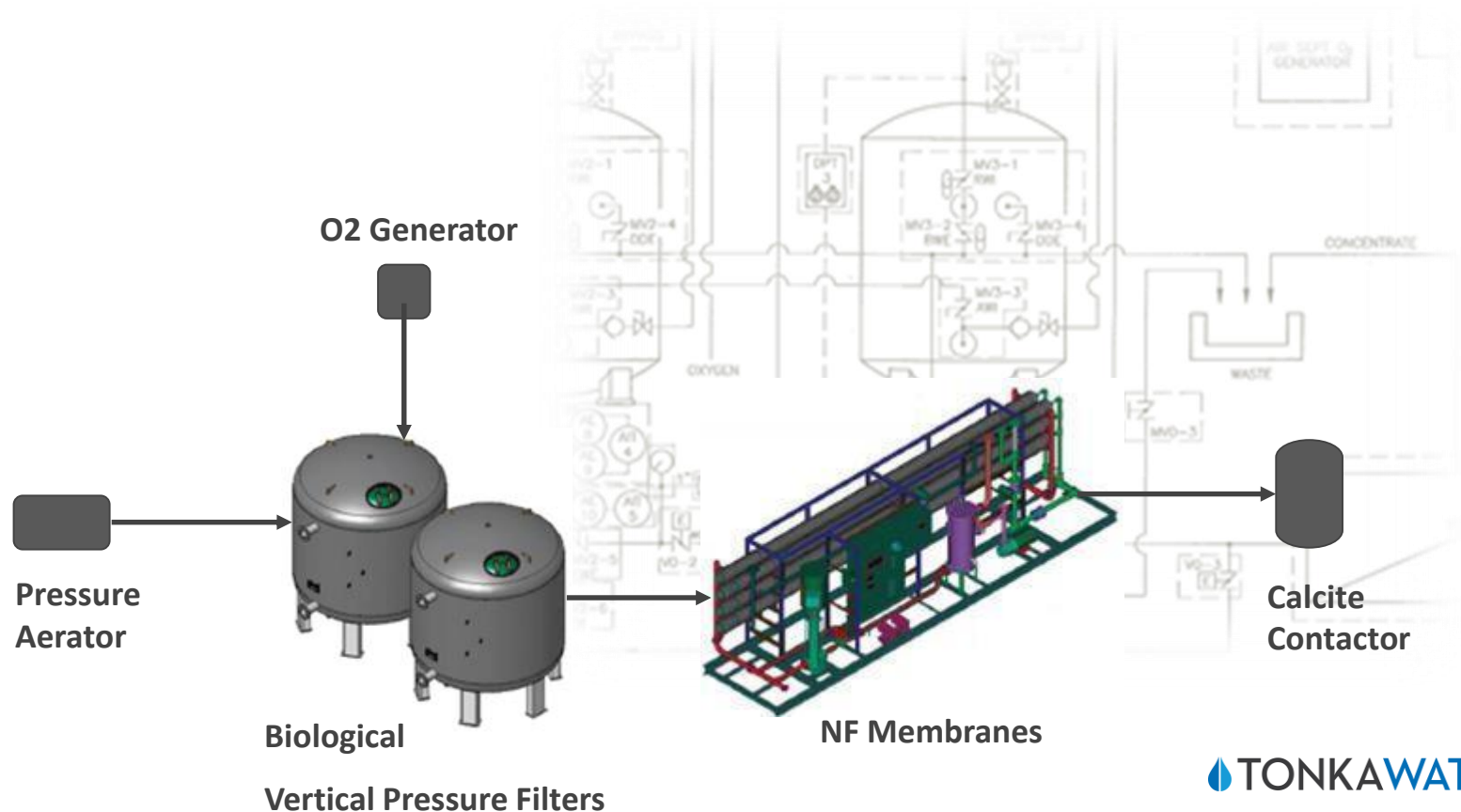


Continuous Support



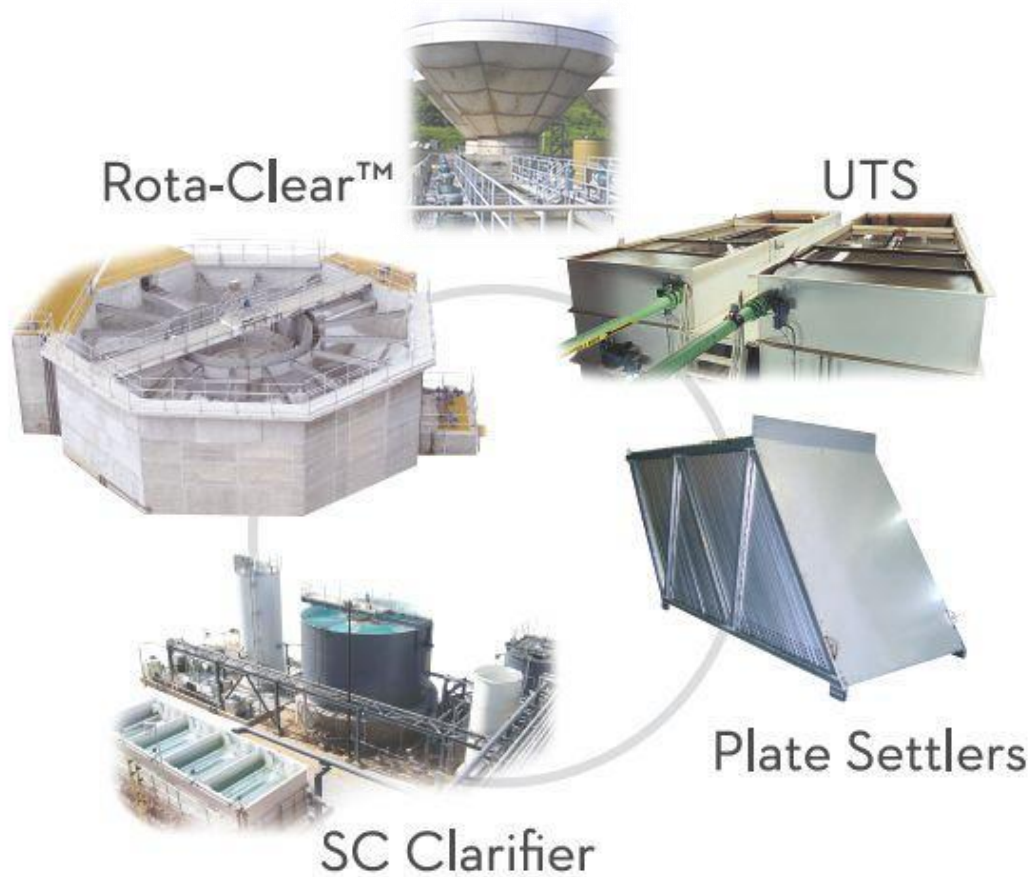
# Integrating Treatment Process Technology

Tonka Water offers a broad product line enabling us to combine multiple processes to solve the most challenging water quality problems and deliver a complete custom manufactured system backed by a process guarantee.



# Tonka Water Product Line

## Clarification



# Tonka Water Product Line

## Ion Exchange

Ion Exchange



Pur-IX™



Organix™



Tonka Water offers a broad range of ion exchange solutions including softening, organics, nitrates and specialty contaminate removal as well as advanced technology for brine savings.



# Tonka Water Product Line

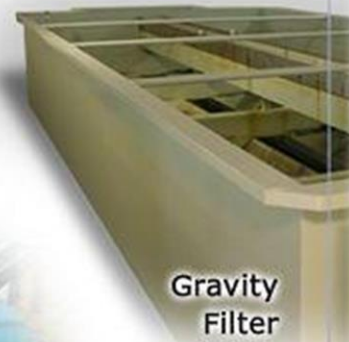
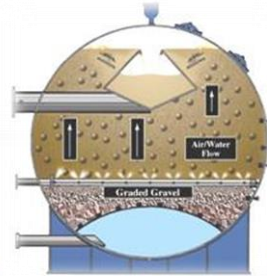
## Filtration



Vertical Pressure Filter



Horizontal Pressure Filter



Gravity Filter



Centralator

Tonka Water offers a full range of gravity and pressure filtration options including proprietary technology for high efficiency backwash.

# Tonka Water Product Line

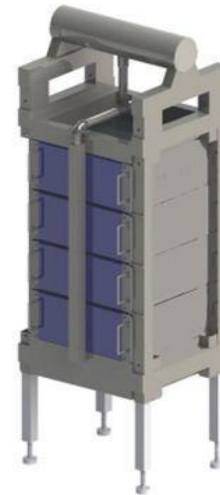
## Membranes



Ultrafiltration



NF & RO



Ceramic

Tonka Water offers a broad range of innovative membrane systems including pretreatment, energy recovery devices and high recovery rate technology.

# Tonka Water Product Line

## Aeration & Stripping



# Tonka Water Product Line

## Packaged Treatment



**UTS**  
3-Stage Treatment Process  
combining:  
Flocculation  
Clarification  
Filtration

### Dualator<sup>o</sup>

Multi-Stage Treatment Process  
combining:  
Aeration  
Detention  
Filtration



**ClariFlote™**  
2-Stage Treatment Process  
combining:  
Flocculating Clarification  
Gravity Filtration

### Clari-Filt™

2-Stage Treatment Process  
combining:  
Flocculating Clarification  
Pressure Filtration



*Tonka offers a wide range of packaged groundwater & surface water treatment processes configured in a single unit*



# Tonka Water Product Line

## Complete Systems



The rest of the Tonka Water product portfolio provides all the process solutions needed to provide a complete system to solve the most challenging water quality problems

# Process & Product Development

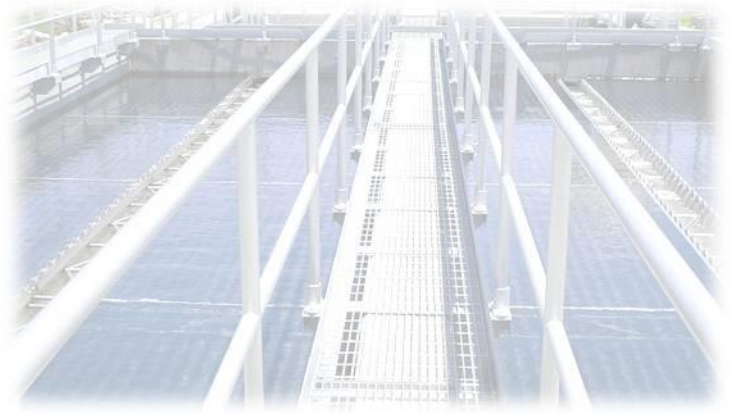
Tonka Water amassed this broad product line through internal R&D, technology licensing and collaboration.

## Current Process Development Work

- Specialty and Emerging Contaminants
- Efficiency and Water Reuse
- Biological Treatment
- Advanced ion exchange



# Industry Involvement



Examples of industry interactions:

- Regulatory Collaboration
  - Biological Drinking Water Process Demonstration
- Intercompany Collaboration
  - Integrating new component technologies
- University Collaboration
  - University of Florida EPA project for innovative small systems
- International Collaboration
  - Technology licensing
- Environmental Technology Trade Advisory Committee to the Commerce Secretary
- MN Water Cluster Development

# Contact

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