

REFrigerated REcycled Sanitary & Hygienic

With REFRESH™ systems, AVANTech recycles a facility's chilled process water into high quality pure water for produce washing and plant operations.

REFRESH™ System Benefits

- ✓ Reduce water consumption through recycling by over 70%
- ✓ Guaranteed to meet EPA Water Standards
- ✓ Takes control of utility water and wastewater costs
- ✓ Recycled water returns softened and purified – reduces chemical and sanitizer usage in plant
- ✓ Meets max water volume use regulations
- ✓ Meets customer or industry sustainability objectives
- ✓ Returns water to plant at lowest temperature possible – saves energy needed for chilling
- ✓ Meets wastewater discharge regulations for BOD and TSS, and Title 22 applicable
- ✓ Prevents depletion of natural aquifers
- ✓ Mobile or containerized options available
- ✓ Systems available for 100k to 1+ million gallons/day
- ✓ Validated and in-use with industry's largest processors and customers
- ✓ Lease (no capital cost) and purchase options available

AVANTech designs, manufactures, and installs systems that meet your operational and budgetary needs and accommodate your space constraints.



Recycling cold treated water from the processor's operation decreases the site water use and increases sustainability.

Over 5 years and 100 million gallons recycled of operational excellence



REFRESH™ Process Water Systems

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Innovation in Food Safety and Quality

AVANTech's patent pending **REFRESH™ Process Water Recycle System** delivers valuable improvements to the Produce Processing Industry. It provides a cost effective method of purifying and recycling cold waste process water from the facility. The lower water consumption will help to meet water and wastewater volume discharge requirements. Further treatment of the resulting concentrated wastewater will meet any regulatory criteria – BOD, TSS, or Title 22 land application restrictions. The high quality recycled cold water allows for lower chemical and sanitizer usage and reduces the processor's chiller load.

"Water is a concern for most of our customers. With the REFRESH™ System, the processors are able to focus on growth and sustainable business with confidence that their water system is supporting the volume and quality for many years to come."

– Justin Kerr, Factor IV Solutions

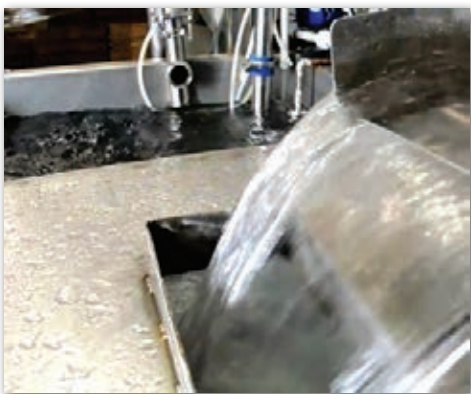
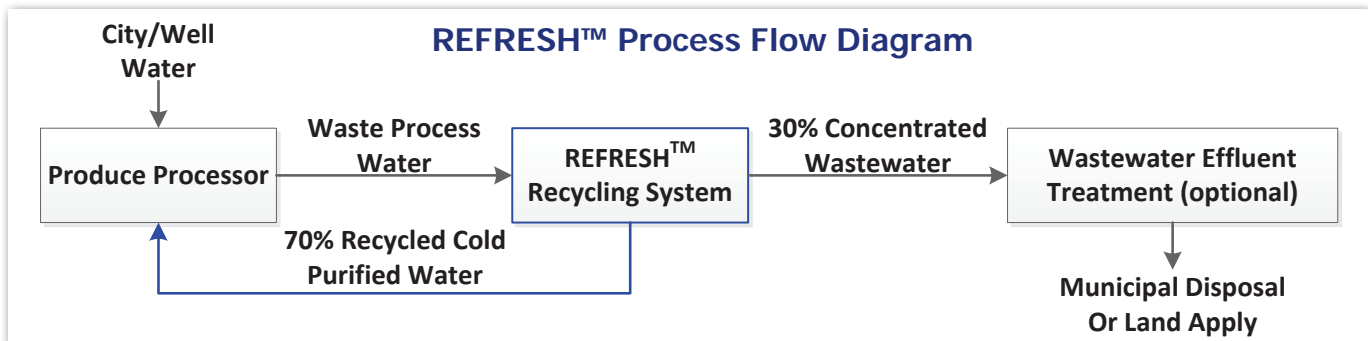
The AVANTech Advantage

AVANTech is a world-class specialty water and wastewater treatment solutions provider.

- ✓ Patented state-of-the-art design and equipment
- ✓ ASME code stamp manufacturing capability
- ✓ Extensive experience in high level radiation water remediation
- ✓ Full line of water and wastewater treatment technology
- ✓ Professional Engineering staff
- ✓ Provides innovative wastewater recycling solutions to the nuclear, automotive, polymer, and food processing industries



AVANTech Sites World-Wide



Lease Option

One contract option we offer is a lease. The lease rate includes the operation, maintenance, capital, and consumable costs for this service, thus allowing your staff to focus on production.

AVANTech's sustainability objectives focus on water reuse, energy efficiency, and reduced liquid discharge.



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