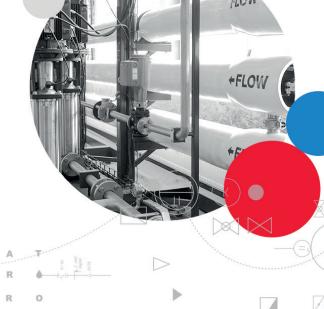
WE IMPROVE PRODUCTION EFFICIENCY THROUGH EFFECTIVE WATER TREATMENT



Why do companies value us?

We provide the expertise you need. These include maintenance, implementing and expanding the automation of processes and managing sevices, all for a fraction of the cost of training your own employees.

You can continue production even when there is a risk of water shortage. More and more often, production is threatened by drought, tightening water consumption limits and increasing water prices. That's why we introduce repeated use (recycling) of water to all kinds of processes.

We make it possible to comply with the ever stricter regulations on waste water disposal. We clean water polluted by production. Most of the water is recycled and we work to decrease the portion of water that's disposed of. We are not content to simply make your operation comply with waste water regulations.

We increase efficiency and reduce costs, both short-term and long-term. By using effective water management and related technologies, we are able to increase efficiency and reduce waste. Our projects usually return your investment within a short time..

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Our solutions are custom built, and we think about the wider context. Thanks to our experience in many industries, we know that only an advanced approach will lead to maximum efficiency. Our projects are under our control from the original concept, through project documentation, to realization and maintenance. If a problem arises, we solve it right away and we don't beat around the bush.

Benefits of water treatment



25 - 30 % Reduction in maintenance costs



70 - 75 % Reduction of

failure rate



35 - 45 %

Reduction in planned outages



10 - 40 %

losses



50 - 95 %

Reduction of energy Reduction of water consumption



20 - 25 %

Increase in productivity



Through systematic water treatment, we are able to lower the cost and prevent needless breakdowns













Where does the water **HEAT STATION** Did you know? · Legionella (in hot water) **70 - 95** % of waste water affect industrial PROJECTED BUILDING · Significant decrease in efficiency **WATER WORKS** Voiding of warranty (PLAN THE WATER TREATMENT) can be recycled? • Doesn't work properly, e.g. producing water which is too Sediments We want to provide systematic, optimal earthy or too soft. doesn't remove excess iron or bacteria Corrosion operations? solutions, not just solve problems. We care · Insufficient capacity • Biofilm about the environment and sustainability. Insufficient automation · Absence of remote control and monitoring (measuring and regulation) **TANK** · Sediments, mechanical contamination **DISCHARGE** Bacterial contamination · Sludge caused by contamination (slime) **HEAT EXCHANGER** Grey water, washing water, waste water from · Less effective heat exchange industrial processes, are all discharged uselessly · Rapid decrease in efficiency · Corrosion, sedimentation and clogging of the exchanger **COOLING TOWER** · Worse heat exchange, rapid decrease of efficiency · Corrosion, sedimentation or clogging of the cooling tower **STEAM GENERATOR** · Significant decrease of efficiency Voiding of warranty **POWER** Sediments **STATION** Corrosion **BOILER ROOM** · Significant decrease in efficiency Voiding of warranty Sediments **Entry COOLING CIRCUIT** · Worsened heat exchange · Significant decrease of efficiency **RIVER** Clogging of all the connected piping and machinery **WATER MAIN** · Corrosion, clogging and sedimentation of cooling tower Microbiological contamination **DEMI WATER FOOD PROCESSING** purchased instead of (beverage production, washing lines, produced chemical facility) • Water quality which doesn't meet the manufacturer's requirements **FLOOD POOL PRODUCTION WATER PUMPING AND** Stinky water **DISTRIBUTION FACILITY** Forming of limescale • Sediments, mechanical **OFFICE BUILDING** contamination · Wasting washing water (process water) (water main, gas main, Expensive potable water is used for flushing · Bacterial contamination (injection presses, CNC sewer system, heating water • Potable water used as service water • Forming of slime from the system, pumps, electrical grid, contaminants machines, workshop) · Corrosion **DISTILLING MACHINERY** wastewater reservoir) • Machines and forms getting clogged with limescale, corrosion or biofilms (distillery, brewery) **PARKING LOT** The water isn't ultra-clean (nonconducting) · Outdated, inefficient pumping technology • Expensive potable water is used for flushing • Increased spoilage, e.g. corrosion, coloured stains on products · Low quality of product, e.g. too Piping losses (corrosions, cracks) • Potable water used as service water · More frequent breakdowns and outages earthy or contaminated diluting · Clogged, non-working armatures, loose levers not collected Legionella • Problems with machining emulsion water · Insufficient or too high piping pressure · Significant loss of efficiency · Insufficient flow regulation SELF-· Voiding of warranty **WELLNESS, POOL** Clogging **CLEANING** Sediments · Water contaminated with bacteria

Corrosion

• Biofilm

Corrosion

TANK

• Forming of sediments or biofilm

Earthy water

· Using too much chemicals to treat water

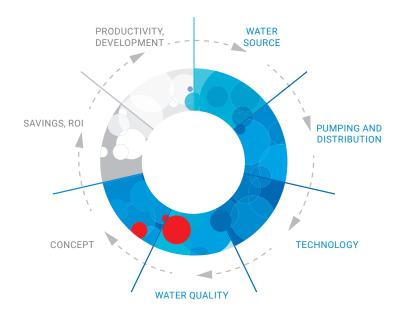


What technical and economical directors of companies both big and small praise about our work

- Reduced operating costs
- Less frequent machinery breakdowns
- Increased productivity
- Access to business with companies that have high demands on environmentally friendly, sustainable operation
- Longer service life of machinery, cooling and heating technologies
- Confidence that there will be no production shutdowns due to seasonal water outages
- Confidence that the operation will not endanger the surrounding area, for example, by spreading legionella bacteria
- Easier and cheaper way to comply with ISO norms in risk management, environmental protection and work safety

We use our own metodology linked to ISO and TPM

Aquarex Water Management



Our satisfied customers include































WE TREAT WATER. SMART, CAREFUL, RESPONSIBLE.



