AvN™

Advanced Aeration Control

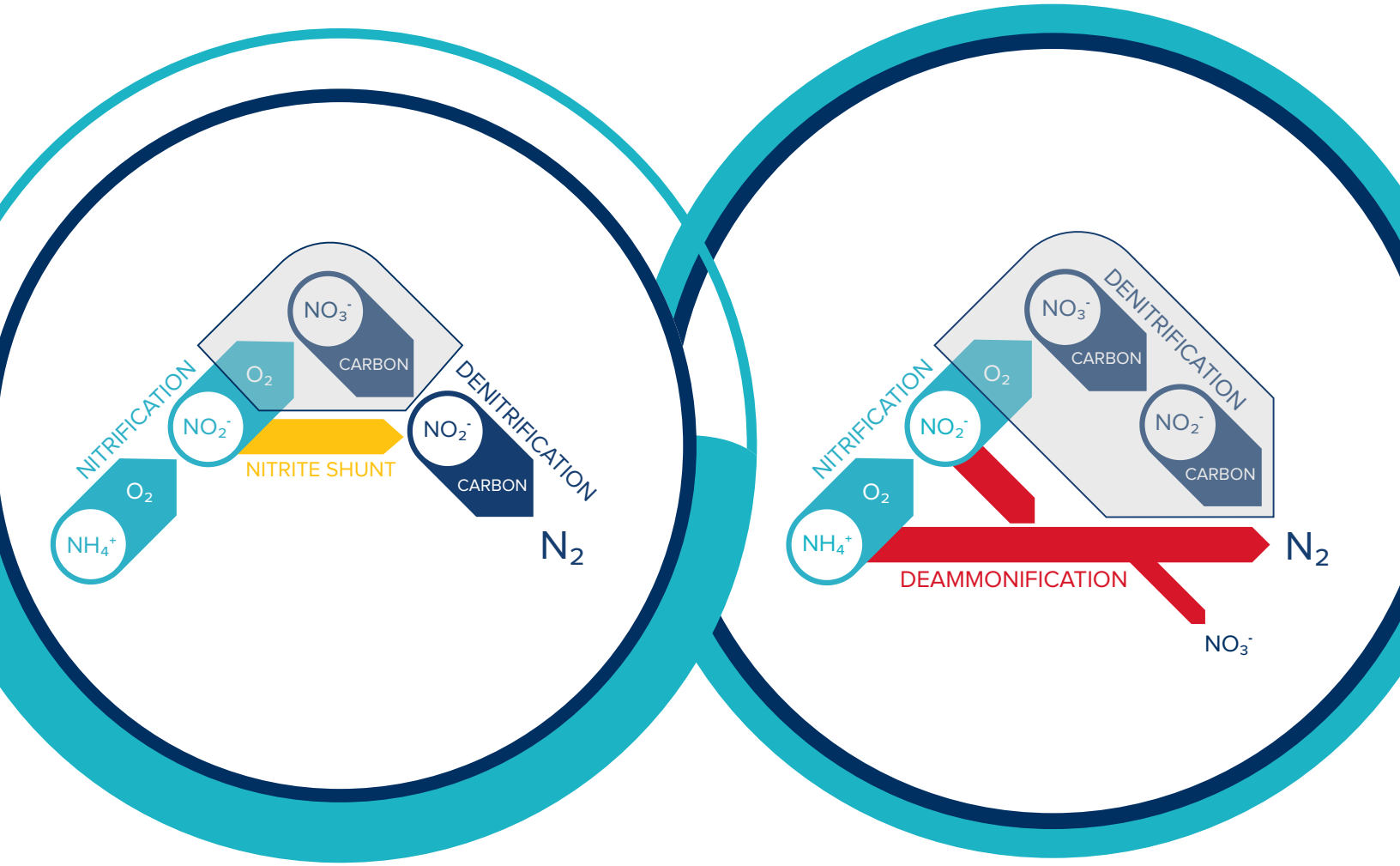
World water works

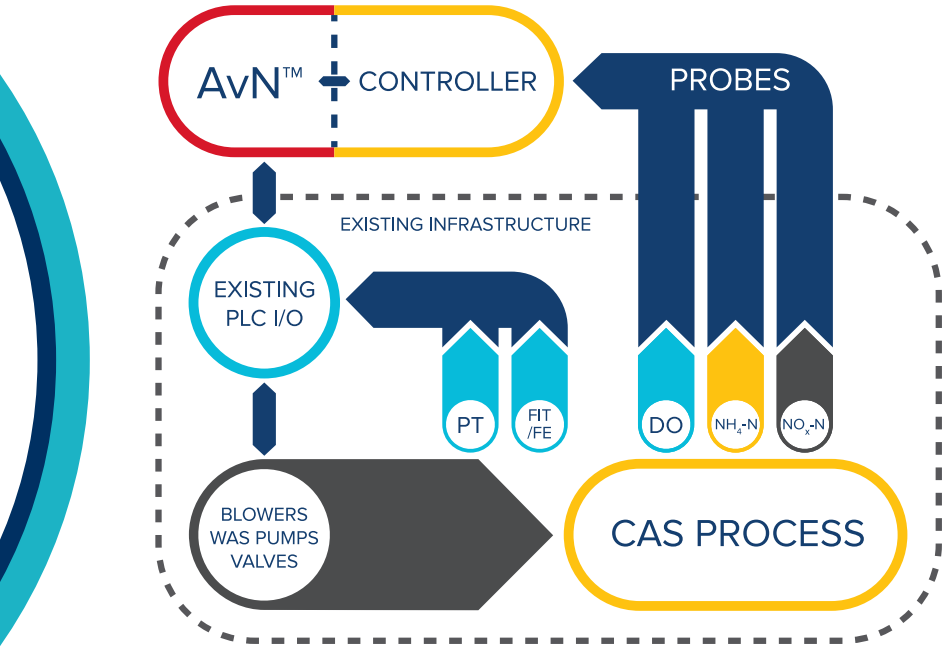
Clean Water and Energy from Wastewater

AvN™

As water resource reclamation facilities (WRRF) desire to divert more carbon towards energy generation, it becomes harder and more expensive to remove the remaining nutrients from the wastewater. This is where AvN™ comes into play as an overall process control philosophy promoting intensification.

AvN advances the controls over the important relationships between bacterial populations by utilizing advanced instrumentation, control, and automation (ICA) that applies selective pressure to aid in the segregation and promotion of desired populations. The process facilitates energy efficiency and achieves results at the lowest chemical and electrical energy inputs. Maximizing the carbon to energy process allows WRRFs to seriously consider energy self-sufficiency and develop a sensible path to becoming a facility profit.





The AvN technology offers benefits including:

- More efficient removal of total nitrogen (TN) at the lowest total energy cost possible
- Reduced alkalinity, carbon and energy
- Requires very little to no changes to the existing plant footprint
- Saves 25% oxygen and 40% organic carbon compared to conventional nitrification and denitrification
- Aeration savings
- Redirection of influent organic carbon for energy production through anaerobic digestion

A portion of proceeds from the sales of AvN goes towards funding further non-profit research in wastewater.

World Water Works, Inc. is an innovator in the wastewater treatment industry, driven to help industrial and municipal customers find wastewater treatment solutions that deliver clean water, perform better, recover resources and save money.

We are a passionate, adaptable company that's changing the world through expertly engineered products and technologies. We were founded in 1998, upon a mission that still stands today: to purify our future world environment.

We have offices located throughout the US and India, with fully integrated in-house manufacturing capabilities at our headquarters in Oklahoma City, OK — allowing higher quality products with faster turnaround times and a lower cost of ownership.

Working hand-in-hand with our customers, we design, build, implement and optimize our wastewater treatment systems, having successfully done so for industrial and municipal customers on every major continent. Through our products and technologies, we help customers achieve cost-effective performance, resource recovery and yield the highest water quality.

Our wastewater treatment systems meet today's challenges while preparing for tomorrow's water needs.