

Advanced Aeration Control



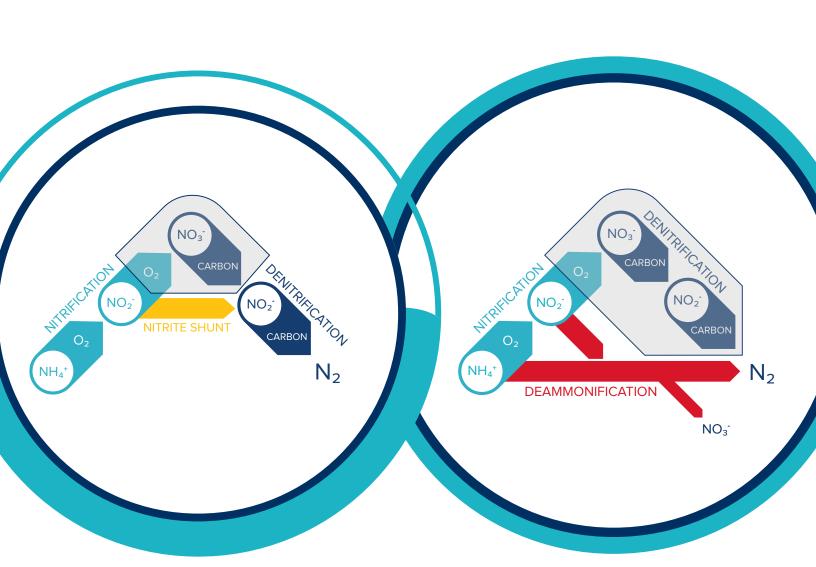


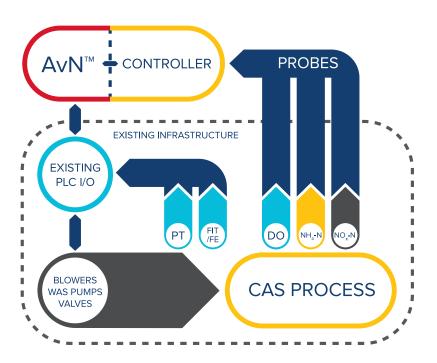
AvN™

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 a highly focused company in the wastewater treatment sector. We are driven to provide industrial and municipal customers proven and cost-effective wastewater treatment solutions delivering superior effluent quality.

We are a passionate and adaptable company providing value through expertly engineered products and technologies. Founded in 1998, we have unparalleled depth of application knowledge and experience.

We have offices located throughout the US, India, and UAE with a fully integrated in-house manufacturing facility at our headquarters in Oklahoma City, OK. This strategically positions us to control schedule while delivering the highest quality products and solutions at the lowest cost of ownership. Working hand-in hand with our customers, we optimize wastewater treatment solutions globally.

We at World Water Works are ensuring our wastewater treatment systems meet today's challenges while preparing for tomorrow's water needs.

