

Streamlining Operator Use and Regulatory Compliance with Automated Membrane Filtration System

The challenge

In 2010, the City of Cisco, Texas, decided to upgrade its existing water treatment plant, seeking to replace its conventional dual media filters with modern, sophisticated membrane technology. The City of Cisco's water treatment plant serves more than 6,500 residents, which includes two wholesale customers that purchase bulk water from the city for surrounding rural communities. To determine which membrane system to implement, officials began qualifying solutions from a variety of vendors.

The solution

Ultimately, the Aria FIT™ membrane filtration system from Aria Filtra® was selected after performing strongly during the pilot testing phase. The quality and reliability of Aria Filtra's system was evident throughout the pilot. The City of Cisco's water treatment plant implemented 3 skids, resulting in a total capacity of 2.5 million gallons per day. Upon delivery, a building was constructed around the skids to incorporate them into the treatment plant's permanent infrastructure. The city maintains its own distribution system with 2 elevated water storage tanks, and its total connection count for the city and wholesale customers is approximately 2,500 connections.



"Implementing the Aria FIT skids was instrumental in allowing the City of Cisco's water treatment plant to meet regulations, as it is now much easier to comply with turbidity removal, monitoring, and testing, in addition to various other regulations. Its automated reporting and auto-generated data logging make life easier for the operators. Testing and compliance have become less tedious tasks because of the [Aria Filtra] system."

Jordan Hibbs, vice president, Enprotec / Hibbs & Todd, Inc. (eHT)



The benefits

The high-performing membrane skids provide quality water while the system remains easy to operate. Overall, the benefits of the Aria FIT system to the City of Cisco's water treatment plant included:

- Operator-friendly control systems
- Automated compliance testing and reporting
- High-performing, quality membranes
- Safe, reliable source of drinking water

Aria FIT packaged water treatment solutions are designed to fit your schedule and your budget.

- Pre-engineered for fast installation
- Modular to fit any footprint
- Easy-to-operate controls
- Reliable membranes with proven performance



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Aria Filtra, a division of Trojan Technologies, is the filtration partner of choice for municipal and industrial customers that need reliable access to consistent, high-quality water. With more than two billion gallons of installed capacity spanning six continents, Aria Filtra has the process expertise, proven technology, and intelligent systems that customers trust to reliably tackle their most complex water treatment challenges. Featuring industry-leading durability, reliability, and ease of operations, our broad portfolio of solutions ensures mission-critical functions continue to work as needed, day in, day out, for years to come. Learn more at AriaFiltr.com.

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