AQUA-AEROBIC SYSTEMS, INC.
A Metawater Company

Professional Biography



David J. Lamphere
Product Manager – Membrane Systems
Aqua-Aerobic Systems, Inc.
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David is a water treatment professional with more than 20 years of experience in the design, application, and optimization of membrane filtration systems for municipal and industrial water and wastewater treatment. He holds a Bachelor of Science in Mechanical Engineering Technology and an Executive MBA from Rochester Institute of Technology.

Throughout his career, David has specialized in membrane treatment technologies including microfiltration (MF), ultrafiltration (UF), reverse osmosis (RO), and ceramic membrane systems. His experience includes process design, applications engineering, product development, pilot testing, system optimization, and technical support for drinking water treatment facilities throughout North America and internationally.

David has served in engineering and technical leadership roles with Aqua-Aerobic Systems and Pall Corporation, where he was responsible for membrane system design, process development, engineering standardization, and new technology commercialization. As Director of Water Applications Engineering for the Asia-Pacific region, he led multidisciplinary engineering teams supporting municipal and industrial membrane treatment projects throughout the region. He later served as Global Portfolio Manager for Water Systems, directing the development and implementation of new membrane technologies for drinking water applications.

In his current role as Product Manager for Membrane Systems at Aqua-Aerobic Systems, David provides technical leadership for ceramic membrane filtration systems, supporting consulting engineers, utilities, and design teams with membrane process selection, system design, operational optimization, and regulatory compliance. He has participated in numerous pilot studies and full-scale treatment system evaluations and has extensive experience comparing membrane technologies across a wide range of source water conditions.

David is an experienced technical instructor and presenter who has delivered educational seminars and training sessions for consulting engineers, municipal utilities, operators, and industry professionals on membrane filtration principles, treatment

process optimization, ceramic membrane technology, and regulatory considerations. His presentations focus on practical engineering applications, operational experience, and current industry best practices.

Professional Experience

Aqua-Aerobic Systems, Inc.— Product Manager – Membrane Systems
March 2023 – Present

Responsible for product management, technical leadership, application engineering, and business development for ceramic membrane treatment systems serving municipal and industrial water treatment markets.

D&W Diesel, Inc. — Business Development & National Account Manager
December 2015 – February 2023

Directed strategic account management and commercial leadership while maintaining involvement in technical product development and customer application support.

Pall Corporation — Global Portfolio Manager – Water Systems
August 2013 – November 2015

Led global product strategy and commercialization of membrane water treatment systems while coordinating engineering, manufacturing, marketing, and sales initiatives.

Pall Corporation — Director, Water Applications Engineering – Asia Pacific
October 2010 – July 2013

Managed regional applications engineering, process design, and technical support for membrane treatment systems throughout the Asia-Pacific region while serving as the regional technical authority for membrane process design.

Pall Corporation — Application & Process Engineer
May 2005 – October 2010

Designed and supported membrane filtration systems for municipal and industrial water treatment applications, including process calculations, equipment sizing, proposal development, pilot evaluations, and customer technical support.

Feldmeier Equipment — Project Engineer
September 2003 – May 2005

Designed and managed ASME pressure vessels and custom stainless-steel process equipment for industrial and pharmaceutical applications.