

# COMPANY PROFILE AND CAPABILITIES



AQUA-AEROBIC SYSTEMS, INC.  
A Metawater Company



# GENERAL INFORMATION

## ABOUT OUR COMPANY

Aqua-Aerobic Systems is an applied engineering company specializing in adaptive water management solutions including aeration/mixing, biological processes, cloth media filtration, membranes, PFAS solutions, oxidation/disinfection and process control. Since 1969, the company has served the water and wastewater industry by providing both municipal and industrial customers around the world with advanced technologies and treatment solutions that easily adapt to changing demands. From enhanced nutrient removal to primary filtration, ultra low phosphorus removal or water reuse, Aqua-Aerobic has proven solutions that offer the lowest cost of ownership with life-time customer service.

## MISSION

Protecting the World's Water.

## STRATEGIC INTENT

Providing innovative and best-in-class water treatment solutions in aeration and mixing, biological processes, filtration, membranes, PFAS solutions, ozone systems and aftermarket products and services while upholding the values that have been key to our success.



**James Horton**  
President & CEO



**Kevin L. Heasley, E.I.T.**  
Vice President, Operations



**Scott R. Willis**  
Vice President & Chief  
Financial Officer



**Joe Tardio**  
Vice President, Sales & Marketing



**Mark Hughes, P.E.**  
Vice President, Technology

## FACILITY / TEST FACILITY

125,000 square feet office and manufacturing (25% office space and 75% manufacturing space)

250,000 gallon (950 m<sup>3</sup>) test tank  
55,000 gallon (209 m<sup>3</sup>) test tank

## RESEARCH & TECHNOLOGY CENTER

Located at Four Rivers Sanitation Authority, this on-site research facility allows Aqua-Aerobic to conduct extensive research and testing on new products and process concepts.

## ADVANCED PRIMARY FILTRATION

Designed to handle an average flow of 15 MGD and a peak flow of 30 MGD, our AquaPrime® Cloth Media Advanced Primary Filtration System is currently in operation at Four Rivers Sanitation Authority since 2024.

## REPRESENTATION

150 Sales Representatives in the US, Canada, Mexico and throughout the world. Most are graduate engineers and have design capabilities.

## MARKETS

85% United States, Canada, Virgin Islands  
15% International

## INSTALLATIONS

More than 10,000 installations worldwide



# GENERAL INFORMATION

## ENGINEERING & TECHNICAL EXPERTISE

Aqua-Aerobic Systems, Inc. has a full staff of process, mechanical and electrical engineers, product managers, R&D staff, customer service and field service specialists.

<b>Total Employees</b>	257 (Office and Manufacturing)	<b>Aftermarket Service</b>	1 Director 7 Support Personnel
<b>Administration</b>	9 Technical Managers & Officers		
<b>Process Group</b>	2 Vice Presidents	<b>Operations</b>	1 Vice President 1 Manager
Filtration/PFAS Solutions	3 Product Managers 1 Product Specialist	Manufacturing	1 Manager 17 Shop Employees
Biological Processes	3 Product Managers 3 Senior Process Engineers	Project Management	1 Director 1 Senior Project Manager 11 Project Managers
Oxidation & Disinfection	1 Product Manager  1 Project Application Engineer	Research & Development	1 Director 1 Manager 5 Degreed Engineers/Support Personnel
Domestic Sales	4 Regional Managers		
International Sales	1 International Business Director  1 Latin America Regional Manager	<b>Engineering</b>	1 Director 2 Managers 3 Supervisors
Industrial Sales	1 Industrial Business Director		47 Degreed Engineers/Support Personnel
Application Engineering	1 Manager 1 Supervisor 7 Project Application Engineers 1 Senior Application Engineer 10 Application Engineers		
<b>Equipment &amp; Services Group</b>			
Aeration & Mixing	1 Product Manager  1 Application Engineer		
Customer Service/Field Service	1 Director 1 Manager  24 Field Service Technicians 5 Independent Service Providers 3 Partner Companies		

## FINANCIAL INFORMATION

Aqua-Aerobic Systems, Inc. is a well financed company with sales exceeding \$100 Million. Aqua-Aerobic Systems, Inc. also has extensive bonding capabilities.

<b>Primary Banking</b>	BMO Harris Bank, Rockford, Illinois
<b>Auditors</b>	RSM McGladrey, Rockford, Illinois



## COMPANY HISTORY

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In 1919, Rockford, Illinois was a rapidly growing riverfront community. Race Street, in the center of town, was home to Solem Machine Company, a respected manufacturer of woodworking equipment. As the city grew and thrived, so did the company. In 1958, larger facilities were needed and the company moved to 6306 N. Alpine Road.

In 1964, a group of investors, including Aqua-Aerobic Systems, Inc. President, John D. Brubaker (retired), purchased this well established manufacturing firm. With an eye toward the future, these investors considered the changing market needs and began expanding the product line. Soon after, the company was positioned to meet the demands of a new and growing environmental industry. In 1969, Solem Machine Company purchased Aqua-Aerobic Systems and began manufacturing its own line of surface aerators, the Aqua-Jet®. The Aqua-Jet® aerator quickly revolutionized the aerator industry, which led to the company phasing out its other product lines and shifting its focus exclusively to wastewater treatment. In 1976, that commitment resulted in Solem Machine Company's decision to legally adopt the name Aqua-Aerobic Systems, Inc.

In 1989, an additional 35,000 square feet of office and manufacturing space was constructed to accommodate the company's rapid growth. Due to increased requests for Aqua's technical seminars and an increase in local business due to growth of the Chicago suburbs, Aqua-Aerobic once again expanded its facilities. In April 2005, another 25,000 square feet was added to the existing building for new, state-of-the-art seminar facilities, more meeting areas, a formal lunchroom, and new offices. The exterior of the new building is environmentally friendly, utilizing glass to promote natural heat and lighting. The existing building was renovated and included conversion of 4,800 square feet of office space into manufacturing space. Existing office areas were also remodeled to coincide with the interior of the new building. Construction was complete in Spring 2006 and included space for company growth. The new high-tech facilities allow Aqua-Aerobic to accommodate larger seminar audiences and to provide remote webcasts.

In 2016, Aqua-Aerobic Systems merged with Metawater Co., Ltd., (Tokyo, Japan) an international company and leading supplier of advanced water and wastewater solutions. Currently, Aqua-Aerobic employs approximately 200 persons in manufacturing, engineering, sales/marketing and administration. The company's product line includes: biological processes, aeration and mixing, cloth media filtration, membrane systems, PFAS solutions, oxidation and disinfection and process control and management.

The company's dedication to research and development ensure the availability of products to meet unique applications and changing requirements. Aqua-Aerobic has gained recognition for quality products. Our commitment to environmental preservation and product integrity ensures continued success well into the 21st century.



# TRADEMARKS & PRODUCT LINE

## PATENTS

Aqua-Aerobic Systems, Inc. holds 50 patents for processes and equipment used in wastewater treatment systems.

## PRODUCTS AND SYSTEMS

### Aeration & Mixing

- Aqua-Jet® Surface Mechanical Aerator
- Aqua-Jet II® Contained Flow Aerator
- AquaDDM® Direct-drive Mixer
- Endura® Series Limited Maintenance Product
- OxyMix® Pure Oxygen Mixer
- OxyStar® Aspirating Aerator
- Fold-a-Float® Self-deploying Segmented Float
- SAF-T Float® Safe Accessible Float Technology
- TurboStar® Directional Mixer
- DualStar™ Directional Mixer

### Biological Processes

- Aqua MixAir® Aeration System
- AquaCAM-D® Combination Aerator/Mixer/Decanter
- AquaSBR® Sequencing Batch Reactor
- Aqua TruDense™ True Densified Sequencing Batch Reactor
- AquaNereda® Aerobic Granular Sludge Technology
- Aqua MSBR® Modified Sequencing Batch Reactor
- AquaPASS® Phased Activated Sludge System
- Aqua EnduraTube® Fine-bubble Tube Diffuser
- Aqua EnduraDisc® Fine-bubble Disc Diffuser
- Aqua CB-24® Coarse-bubble Diffuser

### Filtration

- AquaDisk® Cloth Media Filter
- AquaDiamond® Cloth Media Filter
- AquaDrum® Pressure Series Cloth Media Filter
- Aqua MiniDisk® Cloth Media Filter
- Aqua MegaDisk® Cloth Media Filter
- AquaPrime® Cloth Media Filter
- AquaStorm® Cloth Media Filter
- OptiComb® Backwash System
- OptiFiber® Cloth Filtration Media
- OptiFiber PES-13® Cloth Filtration Media
- OptiFiber PA2-12® Cloth Filtration Media
- OptiFiber PES-14® Cloth Filtration Media

## TYPICAL INDUSTRIES SERVED

- |   |   |
|---|---|
| <ul style="list-style-type: none"><li>• Pulp &amp; Paper</li><li>• Food/Dairy</li><li>• Beverage</li><li>• Chemical</li></ul> | <ul style="list-style-type: none"><li>• Petroleum/Petrochemical</li><li>• Textile</li><li>• Energy/Utility</li><li>• Pharmaceutical</li></ul> |
|---|---|

### Filtration (continued)

- OptiFiber PF-14® Cloth Filtration Media
- OptiFiber UF-10™ Cloth Filtration Media
- AquaABF® Automatic Backwash Filter

### PFAS Removal Solutions

- AquaPRS™ PFAS Removal System
- Aqua PR-206™ PFAS Removal Sorbent

### Membranes

- Aqua MultiBore® P-Series Polymeric Membrane System
- Aqua MultiBore® C-Series Ceramic Membrane System
- AquaMB Process® Multiple-Barrier Membrane System
- Aqua-Aerobic® MBR Membrane Bioreactor System

### Disinfection

- Aqua ElectrOzone® F-Series Ozone Generator

### Controls and Monitoring

- IntelliPro® Monitoring and Control System





## COMMUNITY INVOLVEMENT

Aqua-Aerobic Systems takes pride in its donations to over 100 organizations.

### MEMBERSHIPS

American Association of Meat Processors (AAMP)  
American Membrane Technology Association (AMTA)  
American Society for Quality  
American Water Works Association (AWWA)  
Business for the Bay  
Illinois Chamber of Commerce  
Illinois Manufacturers' Association  
International Association on Water Quality (IAWQ)  
International Desalination Association (IDA)  
International Ozone Association (IOA)  
National Association of Manufacturers  
National Association of Clean Water Agencies  
Technical Association of Pulp & Paper Industry (TAPPI)  
Water Environment Federation (WEF)  
Water & Wastewater Equipment Manufacturers Association (WWEMA)  
WateReuse Association  
Water Design-Build Council

### RECOGNITIONS

Northern Illinois Business Hall of Fame  
Exporter Continuing Excellence Award  
Manufacturer of the Year Award from Rockford Chamber of Commerce  
Special Congressional Recognition  
WWEMA Diamond Award  
Outstanding Corporation Award from the City of Rockford  
Innovative Technology Award from WEF - 2008, 2011  
Export Achievement Certificate from the U.S. Dept. of Commerce  
Confluence Partnership Honors - Aqua-Rock Business Development Project (2018)

### TRAINING AND EDUCATION

Structured training seminars are conducted by Aqua-Aerobic personnel monthly, Spring through Fall. More than 30 Consulting Engineers, Plant Operators, and Municipal Officials typically attend these training seminars each month to learn about Aqua-Aerobic equipment and systems. Aqua-Aerobic Systems' engineering staff attends company sponsored seminars and workshops relating to the wastewater industry.





# EMPLOYEE PROFILES

## OFFICERS

### **James Horton**

*President & CEO*

M.S. degree in Civil Engineering/Queensland University of Technology, Australia. B.S. degree in Chemical / Environmental Engineering/University of Queensland, Australia. Domestic and International experience in wastewater engineering since 1996 including positions with consulting engineer and specialty wastewater contractor.

### **Kevin L. Heasley, E.I.T.**

*Vice President, Operations*

B.S. degree in Structural Design & Construction Technology/Penn State University, Harrisburg, EIT/State of Pennsylvania. Experience in large underground piping systems and wastewater since 1984.

### **Scott Willis**

*Vice President & Chief Financial Officer*

M.S. degree in Business Administration and B.S. degree in Accounting/Northern Illinois University, DeKalb, IL AAS degree in Business/Rock Valley College, Rockford, IL.

### **Joe Tardio**

*Vice President, Sales & Marketing*

M.S. degree in Environmental & Waste Management/Stony Brook University, Stony Brook, NY. B.A. degree in Biological Sciences & Chemistry/University of Delaware, Newark, DE. Experience in water/wastewater industry since 2006.

### **Mark Hughes, P.E.**

*Vice President, Technology*

M.S. degree in Environmental and Water Resources Engineering/The University of Texas - Austin. B.S. degree in Civil Engineering/University of Iowa, Iowa City, IA. Experience in water/wastewater industry since 2008.

## ADMINISTRATIVE MANAGERS

### **Pamela Appino, P.H.R.**

*Director of Human Resources*

B.S. degree in Administration of Criminal Justice/Bradley University, Peoria, IL. P.H.R. Certification from HR Certification Institute. Human Resources experience since 1991.

## PROCESS GROUP

### **PRODUCT MANAGEMENT**

#### **Manuel de los Santos**

*Product Manager - Biological Processes*

M.S. degree in Sanitary and Environmental Engineering/Universidad de Cantabria, Spain. B.S. degree in Civil Engineering/Universidad Nacional Pedro Henriquez Ureña, Santo Domingo, DR. Experience in water/wastewater industry since 2000.

#### **Thea Davis**

*Senior Process Engineer - Biological Processes*

B.S. degree in Chemical Engineering and M.S. degree in Chemical Engineering/Illinois Institute of Technology, Chicago, IL. Water Innovation Research Intern at Current Innovation. Experience in water/wastewater industry since 2019.

#### **Brett Quimby**

*Product Manager - AquaNereda®*

B.A. degree in Japanese Language and Literature/University of Wisconsin, Madison, WI. Experience in water/wastewater industry since 2016.

#### **Paula Dorn**

*Senior Process Engineer - AquaNereda®*

M.S. degree in Environmental Engineering, B.S. degree in Civil Engineering/University of Illinois, Urbana-Champaign, IL. Experience in water/wastewater industry since 2018.

#### **Vedansh Gupta**

*Product Manager - AquaPrime®/AquaStorm®*

B.S. degree in Chemical Engineering/Malaviya National Institute of Technology, Jaipur, India. M.S. in Civil & Environmental Engineering/ University of Utah, Salt Lake City, UT. Experience in water/wastewater industry since 2018.

#### **Josh Gable**

*Product Manager - Filtration*

M.S. degree in Civil & Environmental Engineering University of Wisconsin, Madison, B.S. degree in Biological Systems Engineering University of Wisconsin, Madison. Experience in water/wastewater industry since 2008.



# EMPLOYEE PROFILES

## PRODUCT MANAGEMENT (continued)

### Kristy Chycota

*Product Specialist - Filtration*

B.S. degree in Paper Engineering - Environmental Processes/Western Michigan University, Kalamazoo, MI. 2 years experience in Product Management at Englewood and 4 years at Beloit Corporation as a process engineer. Experience in water/wastewater industry since 2019.

### John Dyson

*Product Manager - PFAS Solutions*

B.S. degree in Chemistry/Longwood College, Farmville, VA. Experience in water/wastewater industry since 1991.

### Dave Lamphere

*Product Manager - Membranes*

Bachelor's Degree in Mechanical Engineering and an executive MBA from Rochester Institute of Technology (R.I.T.). Experience in water/wastewater industry since 2005.

### Dave Holland

*Senior Process Engineer*

A.A.S. degree in Technical writing/Rock Valley College, Rockford, IL. Experience in water/wastewater industry since 1979.

### Yuichiro Shinoda

*Product Manager - Oxidation & Disinfection*

M.S. degree in Materials Science and Engineering, Yokohama National University, B.S. degree in Materials Science and Engineering, Yokohama National University. Experience in the water/wastewater industry in Japan and North America since 2001.

## MARKETING

### Cheryl Kunz

*Director of Marketing*

B.A. degree in Business Management/Ashford University, Clinton, IA. Experience in water/wastewater industry and marketing since 1989.

## APPLICATION ENGINEERING

### Tamera Knapp

*Application Engineering Manager*

B.S. degree in Environmental Engineering/Michigan Technological University. B.S. degree in Environmental Liberal Arts/Northland College, Ashland, WI. Experience in water/wastewater industry since 2004.

### Angelica Davila, E.I.T.

*Application Engineering Supervisor*

B.S. degree in Environmental Engineering/University of Central Florida. Experience in water/wastewater industry since 2013.

### Tatiana Mazzei

*Senior Project Application Engineer*

M.S. degree in Engineering and minor in Production Engineering/University of Wisconsin-Milwaukee, WI. B.S. degree in Chemical Engineering/Universidad Metropolitana, Caracas, Venezuela Experience in water/wastewater industry since 2007.

### Rungrod Jittawattanarat, Ph.D.

*Project Application Engineer*

Ph.D. degree in Civil Engineering/Polytechnic Institute of New York University. M.S. degree in Water and Wastewater Engineering/ Asia Institute of Technology, Thailand. B.S. degree in Environmental Engineering/ Chiang-Mai University,Thailand. Experience in water/wastewater industry since 1990.

### Harrison DeBruler

*Project Application Engineer*

B.S. degree in Mechanical Engineering/University of Alabama, Tuscaloosa, AL. Experience in water/wastewater industry since 2021.

### Nicholas Fortsas, E.I.T.

*Project Application Engineer*

B.S. degree in Chemical Engineering/University of Illinois at Urbana-Champaign, Champaign, IL. Experience in water/wastewater industry since 2019.

### Mitchell McMahon

*Project Application Engineer - Ozone*

B.A. degree in Mechanical Engineering/Northern Illinois University. Experience in water/wastewater industry since 2022.

### Bryce Hatfield

*Project Application Engineer*

B.S. in Chemical Engineering at Rose-Hulman Institute of Technology. Experience in water/wastewater industry since 2022.

### Natalie Watson

*Project Application Engineer*

B.S. degree in Chemical Engineering/University of Minnesota-Duluth. Experience in water/wastewater industry since 2023.



# EMPLOYEE PROFILES

## APPLICATION ENGINEERING (continued)

### Nick Schiavo

*Project Application Engineer*

B.S. degree in Chemical Engineering/Michigan Technological University. Experience in water/wastewater industry since 2023.

### Michael McKenna

*Senior Application Engineer*

B.S. Degree in Chemical Engineering from Queens University, Belfast, Northern Ireland, and Experience in the water/wastewater industry since 2014.

### Xu Ye, E.I.T.

*Application Engineer*

M.S. degree in Environmental Engineering/University of Wisconsin, Madison, WI. B.S. degree in Chemistry/Texas A&M University, College Station, TX. Experience in water/wastewater industry since 2016.

### Takuya Sakomoto

*Application Engineer*

M.S. degree in Civil Engineering/Tottori University, Japan. Experience in water/wastewater industry since 2020.

### Brian Huyge

*Application Engineer*

B.S. degree in Chemical Engineering/Rose-Hulman Institute of Technology. Experience in water/wastewater industry since 2023.

### Kenta Cojerian

*Application Engineer*

B.S. degree in Chemical Engineering/University of Wisconsin-Madison. Experience in water/wastewater industry since 2023.

### Faten Hussein, Ph.D.

*Application Engineer*

Ph.D degree in Civil/Environmental Engineering/ Marquette University, Milwaukee, WI, M.S degree in Materials Engineering/University of Wisconsin-Milwaukee, B.S. degree in Chemical Engineering/ University of Jordan. Experience in water/wastewater industry since 2017.

### Kayla Stevens

*Application Engineer*

B.S. degree in Chemical Engineering/Ohio State University - Columbus. Experience in water/wastewater industry since 2024.

### Meera Manoharan, E.I.T.

*Application Engineer*

B.S. degree in Biological Systems Engineering/ University of Wisconsin-Madison. Experience in water/wastewater industry since 2024.

### Noor Guron

*Application Engineer*

B.S. degree in Chemical Engineering/University of Michigan. Experience in water/wastewater industry since 2024.

### Richard Santos

*Application Engineer*

B.S. degree in Chemical and Biomolecular Engineering/ Milwaukee School of Engineering, Milwaukee, WI. Experience in water/wastewater industry since 2024.

### Madison Karamagianis

*Application Engineer*

B.S Degree in Chemical Engineering/Iowa State University. Experience in water/wastewater industry since 2024.

## REGIONAL MANAGERS

### Scott Kelly

*Regional Sales Manager, West*

B.S. degree in Chemical Engineering and Petroleum Refining/Colorado School of Mines, Golden, CO. Experience in water/wastewater industry since 1991.

### Jamey Steffen, P.E., BCEE

*Regional Sales Manager, Southeast*

M.S. degree in Civil/Environmental Engineering University of Iowa. Experience in water/wastewater industry since 2000.

### Michael Brown

*Regional Sales Manager, Northeast*

B.A. degree in Professional Writing Kutztown University, Kutztown, PA. Experience in water/wastewater industry since 2005.



# EMPLOYEE PROFILES

## REGIONAL MANAGERS (continued)

### **Steve Stanish**

*Regional Sales Manager, Midwest*

B.A. degree in Business Administration/Washington & Jefferson College, Washington, PA. Experience in water/wastewater industry since 1996.

### **Dave Fisher, P.E., MBA**

*Director of International Business/Canadian Business*

B.S. degree in Civil Engineering and M.B. in Business Administration/Brigham Young University. Experience in water/wastewater industry since 1991.

### **Tatiana Mazzei**

*Regional Manager - Latin America*

M.S. degree in Engineering and minor in Production Engineering/University of Wisconsin-Milwaukee, WI. B.S. degree in Chemical Engineering/Universidad Metropolitana, Caracas, Venezuela. Experience in water/wastewater industry since 2007.

### **William Lenz**

*Director of Industrial Sales*

William is a University of South Carolina graduate and has extensive experience in the industrial sector with more than 18 years of experience within the water, air, and sound compliance space. His relationships span across several industries including power, paper, petrochemical, food processing and manufacturing.

## OPERATIONS GROUP

### **Kevin L. Heasley, E.I.T.**

*Vice President, Operations*

B.S. degree in Structural Design & Construction Technology/Penn State University, Harrisburg, EIT/State of Pennsylvania. Experience in large underground piping systems and water/wastewater industry since 1984.

### **James Hamilton**

*Operations Manager*

Extensive experience in Plant Operations and Management including Material Planning, Inventory, Manufacturing Engineering, Maintenance, Quality, Shipping/Receiving, Administration, and Safety. B.S. degree in Business Administration, Cardinal Stritch University, Milwaukee, WI.

## PROJECT MANAGEMENT

### **Blake Hoffmann**

*Director, Project Management*

B.S. degree in Business Management and Marketing/Edgewood College, Madison, WI. B.S. degree in Mechanical Engineering/University of Wisconsin-Platteville, WI. Experience in water/wastewater industry since 2018.

### **Shawn Butterfield**

*Project Manager*

A.A.S. degree in Science Engineering (Electronic/Electrical Drafting)/Wisconsin School of Electronics (now Herzing University). Experience in water/wastewater industry since 2018.

### **Tom Fenton**

*Senior Project Manager*

A.A.S. degree in Civil Engineering/Williamsport College, Williamsport, PA. Experience in Project Management (including Accounting, Field Service, and Manufacturing) since 1994.

### **Traci Kreitzman**

*Project Manager*

Attended Marquette University. Experience in Supply Chain and New Product Development since 1998.

### **Stephen Yalung**

*Project Manager*

A.A.S. degree in Design and Drafting/Illinois Valley Community College, Oglesby, IL. Experience in water/wastewater industry since 2019.

### **Jeff Alaniz**

*Project Manager*

B.S. degree in Business Management/Saint Leo University, FL.

### **Jim Evans**

*Project Manager*

B.S. degree in Marketing/Illinois State University. Experience in customer service since 1992.

### **Mike Swartz**

*Project Manager*

B.A. degree in Business Management/Rockford University, Rockford, IL. Experience in customer service since 2015.



# EMPLOYEE PROFILES

## RESEARCH & DEVELOPMENT

### **Terrence Reid, P.E.**

*Director of Research & Development*

M.S. degree in Product Design and Development/Northwestern University, Evanston, IL. B.S. degree in Civil & Environmental Engineering/University of Wisconsin-Madison, WI. Experience in water/wastewater industry since 1989.

### **Joe Campanaro**

*Senior R&D Engineer*

M.S. degree in Environmental Engineering/New York University, New York, NY. B.S. degree in Biology/Stony Brook University, Stony Brook, NY.

### **Darryl Gravagno**

*Senior Research & Development Engineer*

B.S. degree in Environmental Engineering/University of Wisconsin, Platteville, WI. A.A.S. degree in Science, Rock Valley College, Rockford, IL. Experience in water/wastewater industry since 2015.

### **Chris Kurshinsky**

*Research & Development Technical Systems Supervisor*

Experience with product development since 1995. Engineering Supervisor R&C Test Lab from 2010-2017 and named as inventor of several patents. Experience as Technical Center Supervisor in the automotive industry 1995-2010. Experience in water/wastewater industry since 2017.

### **Christopher Roegner**

*Research & Development Engineer*

B.S. degree in Chemical Engineering/Iowa State University, Ames, IA.

## ENGINEERING

### **Robert Wiegand**

*Engineering Director*

M.B.A. degree/University of Wisconsin-Madison. B.S. degree in Electrical Engineering Technology/Bradley University, Peoria, IL. 10+ years experience in paper industry with Beloit Corp. Experience in water/wastewater industry since 2000.

### **Kyle Olson**

*Technical Training and Development Manager*

Experience in Engineering and Manufacturing since 2007. Experience in water/wastewater since 2025.

## ELECTRICAL STANDARDS

### **Gerald Schneider, P.E.**

*Electrical Standards Supervisor*

B.S. degree in Electrical Engineering/University of Wisconsin, Madison, WI. Experience in water/wastewater industry since 1989.

### **Mike Hevey**

*Senior Electrical Engineer*

A.A.S. degree in Electromechanical Technology/Chippewa Valley Technical College, Eau Claire, WI. 16+ years electrical controls engineering experience including control system and software validation and design, development and implementation of systems incorporating PLC, HMI, SCADA, hardware design, power distribution and MCC specification.

### **Aaron Halloway**

*Senior Electrical Designer*

B.A. degrees in Physics and Mathematics/University of Wisconsin-Whitewater. Experience in electrical design since 2017.

### **Junji Sakashita**

*Services & Electrical Engineer*

Attended the Hiroshima Institute of Technology, Hiroshima, Japan. Experience in the wastewater treatment industry, specifically Ozone, since 2011 at Fuji Electric Corp. of America/Metawater USA.

## ELECTRICAL CONTRACT

### **Mondi Anderson**

*Controls Engineer*

B.S. degree in Computer Science/Neumont University, Salt Lake City, UT. Experience in water/wastewater industry since 1998.

### **Brian Pass**

*Electrical Design Engineer - Group Lead*

A.A.S. degree in Electrical/Electronic Drafting/Herzing Institute of Technology, Madison, WI. Experience in water/wastewater industry since 2000.

### **Jeff Johnson**

*Electrical Engineering Manager*

M.B.A. degree and B.S. degree in Electrical Engineering Technology/Northern Illinois University, DeKalb, IL. Experience in electrical engineering since 2003.



# EMPLOYEE PROFILES

## ELECTRICAL CONTRACT (continued)

### Kent Campbell

*Senior Operations Technology Engineer*

Degree in Engineering Electronic Technician/Radio College of Canada (RCC), Toronto, Calanda. Experience in water/wastewater industry since 2019.

### Dave Johnson

*Senior Electrical Engineer - Group Lead*

B.S. degree in Electrical Engineering/Milwaukee School of Engineering, Milwaukee, WI. Experience in water/wastewater industry since 2000.

### Jeremy Try

*Senior Electrical Engineer - Group Lead*

B.S. degree in Electrical Engineering/Southern Illinois University, Carbondale, IL. A.A.S. degree in Engineering/Rock Valley College, Rockford, IL. Experience in engineering since 1983.

### Micah Carlson

*Electrical Engineer*

B.S. degree in Computer Science/Mathematics/Olivet Nazarene University, Bourbonnais, IL. Experience in water/wastewater since 2024.

### Brad Christian

*Senior Electrical Engineer*

A.A.S degree Robotics/ Automation Technology, Indian Hills community College, Ottumwa, IA.

### Bill Douglas

*Electrical Design Engineer*

B.S. degree in Electrical Engineering/University of Wisconsin-Platteville. A.A.S. degree in Mathematics and Science/University of Wisconsin at Rock County. A.S. degree in Electronic/Electrical Drafting/Wisconsin School of Electronics. Experience in electrical engineering since 2003.

### Chris Guntermann

*Electrical Designer*

Experience in wastewater/water industry since 2022.

### Samuel Costa

*Electrical Designer*

Experience in mechanical engineering since 2022 and water/wastewater since 2025.

### Connor Johnson

*Electrical Engineer*

B.S. degree in Computer and Electrical Engineering/University of Wisconsin-Stout. Experience in electrical engineering since 2022.

### Deborah Lewis

*Electrical Designer*

Experience in water/wastewater industry since 2021.

### Nishant Patel

*Electrical Engineer*

B.S. degree in Computer Engineering/University of Illinois-Chicago (UIC), Chicago, IL. Experience in water/wastewater since 2024.

### Aidan Morrison

*Electrical Engineer*

B.S. degree in Computer Science/Western Governors University, Milcreek, UT. A.A.S./Rock Valley College, Rockford, IL. Experience in control system engineering since 2023, water/wastewater since 2024.

### Edi Schardl

*Senior Electrical Engineer*

B.A. degree in Business Administration/SFB Rapperswil, Switzerland. B.S. degree in Electrical Engineering/Juventus Engineering School Zürich, Switzerlad. Experience in programming and engineering since 1985.

### Leeroy Majewicz

*Electrical Engineer*

A.A.S. degree in Maintenance Technology/Elgin Community College, Elgin, IL. Experience in water/wastewater industry since 2021.

### Daniel Rodriguez

*Electrical Engineer*

B.S. degree in Mechatronics Engineering/Northern Illinois University, Dekalb, IL. Experience in water/wastewater industry since 2025.

### Leslie Vandre

*Electrical Design Engineer*

A.A.S. degree in Math and Science/Kishwaukee College, Malta, IL. Controls design experience since 1993, Experience in water/Wastewater industry since 2025.



# EMPLOYEE PROFILES

## MECHANICAL STANDARDS

### **David Smith**

*Mechanical Engineering Manager*

B.S. degree in Mechanical Engineering/University of Wisconsin-Madison. Experience in wastewater since 2000. Experience in mechanical design engineering and development since 1986, including 4 years at Beloit Corporation. Received patents for tissue machine equipment.

### **Devon Bockhop**

*Senior Mechanical Designer*

A.A.S. degree in Drafting and Design/Morrison Institute of Technology, Morrison, IL. Experience in water/wastewater industry since 2019.

### **Marcus Ippolito**

*Mechanical Designer*

Experience in machine tool technologies since 2021 and manufacture engineering since 2024.

### **Ethan Wicks**

*Mechanical Engineer*

B.S. degree in Biomedical Engineering/University of Iowa, Iowa City, IA. Experience in mechanical engineering since 2021. Experience in water/wastewater industry since 2025.

### **Noah Dellamater**

*Mechanical Engineer*

B.S. degree in Mechanical Engineering/Olivet Nazarene University, Bourbonnais, IL. Experience in water/wastewater industry since 2019.

### **Luke Enser**

*Aftermarket Support Engineer*

B.S. degree in Mechanical Engineering/Northern Illinois University, Dekalb, IL. A.A.S. Sciences/Rock Valley College, Rockford, IL. Experience in water/wastewater since 2025.

### **Mike Schmitz**

*Principal Engineer*

B.S. degree in Mechanical Engineering/University of Wisconsin, Milwaukee, WI. Experience in water/wastewater industry since 2008.

### **Brant Uppenkamp**

*Mechanical Designer*

A.A.S. degree in Mechanical Design/Blackhawk Technical College. A.A.S. degree in Architectural Design/Milwaukee Area Technical College. Experience in water/wastewater industry since 2012.

### **Edward Wright**

*Manufacturing Support Engineer*

B.S. degree in Mechanical Engineering/University of Houston, Houston, TX. Experience in mechanical engineering since 2016, water/wastewater since 2024.

## MECHANICAL CONTRACT

### **Dan Durdan**

*Manager, Contract Engineering & Estimating*

A.A.S. degree in Mechanical Engineering/IL Valley Community College, Oglesby, IL. Experience in water/wastewater industry since 2005.

### **Tim Austin**

*Senior Mechanical Designer*

A.A.S. degree in Computer Aided Mechanical Design/Rock Valley College, Rockford, IL. Experience in design engineering since 1997.

### **Beth Bahr**

*Senior Mechanical Designer*

A.A.S. degree in Mechanical Engineering/Blackhawk Technical College, Janesville, WI. Experience in water/wastewater industry since 2001.

### **Chris Carlson**

*Design Engineer*

A.A.S. degree in Engineering Technology-Design and Drafting/Morrison Institute of Technology, Morrison, IL. Experience in water/wastewater industry since 2007.

### **Scott Howarth**

*Contract Engineering Supervisor*

A.A.S. degree in Mechanical Drafting/Morrison Institute of Technology, Morrison, IL. Drafting experience since 2002.

### **Nate Haug**

*Contract Engineering Supervisor*

B.S. Manufacturing Engineering Technology/Northern Illinois University, DeKalb, IL. Experience in mechanical engineering since 2012, water/wastewater since 2024.



# EMPLOYEE PROFILES

## MECHANICAL CONTRACT (continued)

### Thomas Kubalewski

*Mechanical Engineer*

B.S. degree in Mechanical Engineering/Northern Illinois University, DeKalb, IL. Experience in design engineering and manufacturing design since 2007.

### Troy Lieb

*Mechanical Designer*

A.A.S. degrees in Mechanical Engineering Technology and Mechanical Design/Highland Community College, Freeport, IL. Experience in mechanical design since 2006.

### Matthew Martineau

*Mechanical Designer*

M.S. degree in Engineering Technology/Purdue University, West Lafayette, IN. B.S. degree in Applied Manufacturing Technology/Northern Illinois University, DeKalb, IL. A.A.S. degree in Manufacturing Engineering Technology/Rock Valley College, Rockford, IL. A.O.S. degree in Computer-Aided Drafting/Hamilton Technical College, Davenport, IA. Experience in mechanical design since 2007. Experience in water/wastewater industry since 2022.

### Darshil Choksi

*Mechanical Designer*

B.S. Mechanical Engineering/University of Alabama, Huntsville, AL. Experience in water/wastewater since 2022

### Joseph Massari

*Design Engineer*

A.A.S. degree in Machine Design Technology/Rock Valley College, Rockford, IL. Mechanical and design experience since 1979. Experience in water/wastewater industry since 2002.

### Alex Neisewander

*Mechanical Designer*

Experience in mechanical design since 2017. Experience in water/wastewater industry since 2023.

### Joe Wakefield

*Mechanical Designer*

B.S. degree in Mechanical Engineering/Michigan Technological University, Houghton, MI. Experience in mechanical design since 1993.

### Ray Watkins

*Mechanical Designer*

A.A.S. degrees for Mechanical Design and Industrial Design Technician/Blackhawk Technical College, Janesville, WI. Experience in mechanical design since 2005.

### Bryce Worley

*Mechanical Designer*

Attended ITT Tech-online. Attended Morrison Institute of Technology, Morrison, IL. Experience in water/wastewater industry since 2021.

### Jay Jochheim

*Mechanical Designer*

B.S. Mechanical Engineering/Rose-Hulman Inst. of Technology, Terre Haute, IN. Experience in water/wastewater since 2024.

## ESTIMATING

### Ali Groen

*Cost Estimating Supervisor*

A.A.S. degree in Construction Technology/Morrison Institute of Technology, Morrison, IL. Experience in water/wastewater industry since 2008.

### Zach Dal Pra

*Design Analyst*

B.S. degree in Mechanical Engineering/Michigan Technological University, Houghton, MI. Experience in water/wastewater industry since 2023.

### Josh Layman

*Design Analyst*

A.A.S. Mechanical Engineering & Industrial Design Certificate/Oakton Community College, Des Plaines, IL. A.A.S. Electronics Communication and Engineering/ITT Technical Institute, Experience in water/wastewater since 2024.

### Scott Tripp

*Senior Design Analyst*

Experience in Engineering since 1989. Experience in water/wastewater industry since 1995.

### Ramiro Verastegui

*Design Analyst*

A.A.S. Manufacturing Engineering Technology/Rock Valley College, Rockford, IL. Experience in water/wastewater since 2025



# EMPLOYEE PROFILES

## ESTIMATING (continued)

### Jordan Van Barriger

#### *Design Analyst*

B.S. degree in Mechanical Engineering, Olivet Nazarene University, Bourbonnais, IL. A.A.S. degree in Science and Engineering, Waubonsee Community College, Sugar Grove, IL. Experience in water/wastewater since 2025.

## EQUIPMENT AND SERVICES GROUP

### AERATION & MIXING

#### **Loryn Martin**

##### *Product Manager - Aeration & Mixing Technologies*

M.B.A. degree in Business Administration/University of Phoenix, Phoenix, AZ. B.A. degree in Communication with emphasis on Public Speaking/ Loyola University, Chicago, IL. A.A.S. degree/Rock Valley College, Rockford, IL. Experience in water/wastewater industry since 2013.

#### **Zachery Swanson**

##### *Application Engineer*

B.S. degree in Mechanical Engineering/Northern Illinois University, DeKalb, IL. Experience in water/wastewater industry since 2023.

### CUSTOMER SERVICE

#### **Stephanie Duchow**

##### *Director of Customer Service*

A.S. degree of Rock Valley College. Experience in aftermarket and manufacturing customer service since 2014 including parts, service, repairs and retrofits.

#### **Tyrone Pratt**

##### *Customer Service Manager*

B.S. degree in Marketing/Southern Illinois University, Carbondale, IL. Experience in Field Service/ Journeyman Electrician for industrial, commercial and residential since 1987.

#### **Evan Price**

##### *Customer Service Process Specialist*

M.S. degree and B.S. degree in Biological Systems Engineering/University of Wisconsin-Madison, WI. Experience in water/wastewater industry since 2018.

#### **Michael Spragg**

##### *Technical Support Specialist*

Experience with submarine maintenance for 20 years in the Navy. Experience as a Field Service Engineer for 13 years. Experience in water/wastewater industry since 2019.

#### **Dean Woyak**

##### *Customer Service Process Specialist*

B.S. degree in Water Resources/University of Wisconsin-Stevens Point. Experience in water/wastewater industry since 1994.

### FIELD SERVICE

#### **Curt Larson**

##### *Senior Field Service Specialist*

Experience in water/wastewater industry since 2003.

#### **Benjamin Morton**

##### *Senior Field Service Specialist*

PA DEP Wastewater Certificate. Experience in water/wastewater industry since 1998.

#### **Tom Mowery**

##### *Senior Field Service Specialist*

Experience in water/wastewater industry since 1996.

#### **John Edelen**

##### *Field Service Specialist*

B.S. degree in Science & Business Administration/ University of Central Florida, Orlando, FL. Experience in Field Service since 1998.

#### **Tony Smith**

##### *Senior Field Service Specialist*

A.A.S. degree in Electronics Engineering Technology/ITT Technical Institute, Norwood, OH. Experience in water/wastewater industry since 2003.

#### **Mike Rushing**

##### *Field Service Specialist*

B.S. degree in Biology/University of North Texas, Denton, TX. Experience in water/wastewater industry since 1999.

#### **Edward Sanchez**

##### *Field Service Specialist*

Certified in Mechanical Technology. Experience in field service since 2000.



# EMPLOYEE PROFILES

## FIELD SERVICE (continued)

### **Anthony Hart**

*Field Service Specialist*

Certified in Industrial Electrical. Experience in field service since 2019.

### **Aridane Rodriguez**

*Field Service Specialist*

A.A.S. degrees in Graphic Design and Industrial Controls and Robotics/Dunwoody College of Technology. Experience in field service since 2018.

### **Camilo Rodriguez**

*Field Service Specialist*

A.S. degree in Specialized Technology, Maintenance Electricity and Construction Technology/Triangle Tech Bethlehem, PA. Experience in field service since 2018.

### **Jackson Blacketer**

*Field Service Specialist*

A.A.S. degree in Instrumentation and Computerized Control Systems/Texas State Technical College, Waco, TX. Experience in electronics technology since 2015.

### **Jeff Wheaton III**

*Field Service Specialist*

A.A.S. degree in Applied Science/ITT Technical Institute, Houston, TX. Experience in Field Service since 2014.

### **Christopher White**

*Field Service Specialist*

Experience in water/wastewater industry since 2020.

### **Raymond Ayala**

*Field Service Specialist*

A.S. degree in Electronics. Experience in mechanical and electronic repair since 2003

### **Joshua Frieze**

*Field Service Specialist*

B.S. degree in Electronics Engineering Technology. Experience in field service since 2007 and in water/wastewater industry since 2018.

### **Richard Rutherford**

*Field Service Specialist*

Experience in field service for electrical and mechanical systems since 2005.

### **Ryan Maldonado**

*Field Service Specialist*

Experience in field service in water/wastewater industry since 2014.

### **Cristen Jones**

*Field Service Specialist*

Experience in water/wastewater industry since 2021.

## AFTERMARKET SERVICES

### **Paul Klebs**

*Director, Aftermarket Sales*

B.S. degree in Chemistry/University of Wisconsin-Madison, WI. Graduate coursework in Environmental Studies/University of Wisconsin-Green Bay, WI. Certified operator in the state of Wisconsin. Experience in water/wastewater industry since 1992.

### **Tim Lamont**

*Senior Aftermarket Sales Representative*

B.S. degree in Geology/University of Illinois, Urbana-Champaign, IL. Experience in Sales and Customer Service since 2000. 5 years experience with retail and manufacturing in the electrical industry.

### **Thomas Mangione**

*Aftermarket Senior Sales Engineer*

B.S. in Chemical Engineering/University of Houston, Houston, TX. Experience in Water/Wastewater since 2000.

### **Michaela Villarreal**

*Aftermarket Sales Supervisor*

B.A. degree in Business Administration from Ashford University. Experience in Sales and Customer Service since 2010. Experience in Water and Wastewater Sales and Customer Service since 2018.

### **Denise Boehm**

*Aftermarket Sales Representative*

Experience in Customer Service in HVAC, packaging and processing equipment and wastewater since 2000.

### **Leann Torrisi**

*Administration Assistant for Aftermarket Sales*

Experience in administrative assistance since 2004.



## EMPLOYEE PROFILES

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### AFTERMARKET SERVICES (continued)

**Denise Uchacz**

*Aftermarket Sales Representative*

Associates in Arts degree. Experience in water/wastewater industry since 2015 with previous experience in inside sales and customer service.

**Mariano Rosado**

*Aftermarket Rental Fleet Supervisor*

Experience in product development and manufacturing initiatives and collaborating with the engineering departments to design and refine machined products and manufacturing procedures.



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