

# Controls & SCADA

Panels and Systems



AQUA-AEROBIC SYSTEMS, INC.  
A Metawater Company

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## Panels and Systems

Aqua-Aerobic Systems, Inc. offers design and development of Electrical Control Panels and Supervisory Control and Data Acquisition (SCADA) systems, targeted for wastewater treatment equipment and processes. Panels and systems are verified through rigorous testing prior to shipment to minimize field installation time and provide a customized, quality product to the end-user.

## Features and Specifications

### System Control Panels

- Reliable Programmable Logic Controller (PLC) with color touchscreen Human Machine Interface (HMI)
- Backup hardwired equipment overrides
- Variety of interfaces to third party systems
- Allen-Bradley controller platform is standard
- Available with or without motor starters
- Flexible networking/communication options
- Upgrade capabilities for existing controls



Configurations for custom applications

Applications include: Aqua-Aerobic batch reactor systems, phased activated sludge systems, cloth media filters, membrane systems, aeration control, and plant-wide auxiliary systems.

### Definite Purpose Control Panels

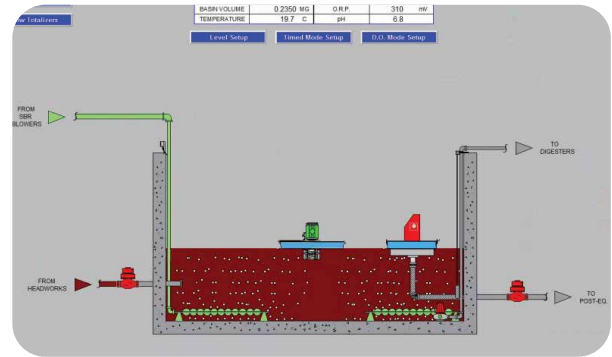
- Enclosures constructed of Nema 3R (mild steel) or Nema 4X (stainless steel or fiber reinforced plastic)
- Operator devices include: selector switches, optional timers and elapsed time meters
- Single or multiple starter configurations

Applications include: Aqua-Aerobic mechanical surface aerators, direct-drive mixers, stand-alone mixers or aerators, and equipment local control.

For enhanced automated process control options, visit the IntelliPro® Monitoring and Control System webpage.

### SCADA Systems

- Single point of control for plant-wide monitoring
- Dynamic graphics depicting equipment and PLC Command Status
- Simple, intuitive navigation between screens
- Historical trending and logging of data
- Consolidated alarming for all monitored areas
- Remote access and support; optional electronic O&M manual
- Reporting and printing capabilities
- Upgrade capabilities for older systems



Dynamic graphic - AquaSBR® basin detail screen

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Aqua-Jet® aerator and typical definite purpose control panel



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The information contained herein relative to data, dimensions and recommendations as to size, power and assembly are for purpose of estimation only. These values should not be assumed to be universally applicable to specific design problems. Particular designs, installations and plants may call for specific requirements. Consult Aqua-Aerobic Systems, Inc. for exact recommendations or specific needs. Patents Apply.