

The background of the entire image is a photograph of an underwater environment. The top portion shows the surface of the water with sunlight filtering down, creating a bright, dappled effect. Below the surface, a large school of small, silvery fish swims in various directions, creating a sense of movement and depth. The water is a clear, vibrant blue.

# INTEGRATED-AQUA

Systems for a Sustainable Future

PRODUCTS  
CATALOG  
**2026**

High-Quality Equipment, Integrated Systems, and Expert Service Since 2003



Established in 2003, Integrated-Aqua (IAS) is an industry leading aquatic life support equipment supplier and systems integrator. IAS consistently delivers high-quality equipment, innovative systems, and services to meet the specific needs of our clients.

- **Exclusive North American Distributor** for major aquaculture equipment manufacturers
- **Channel partner for top brands** in the industry
- **Complete product range** for aquatic applications

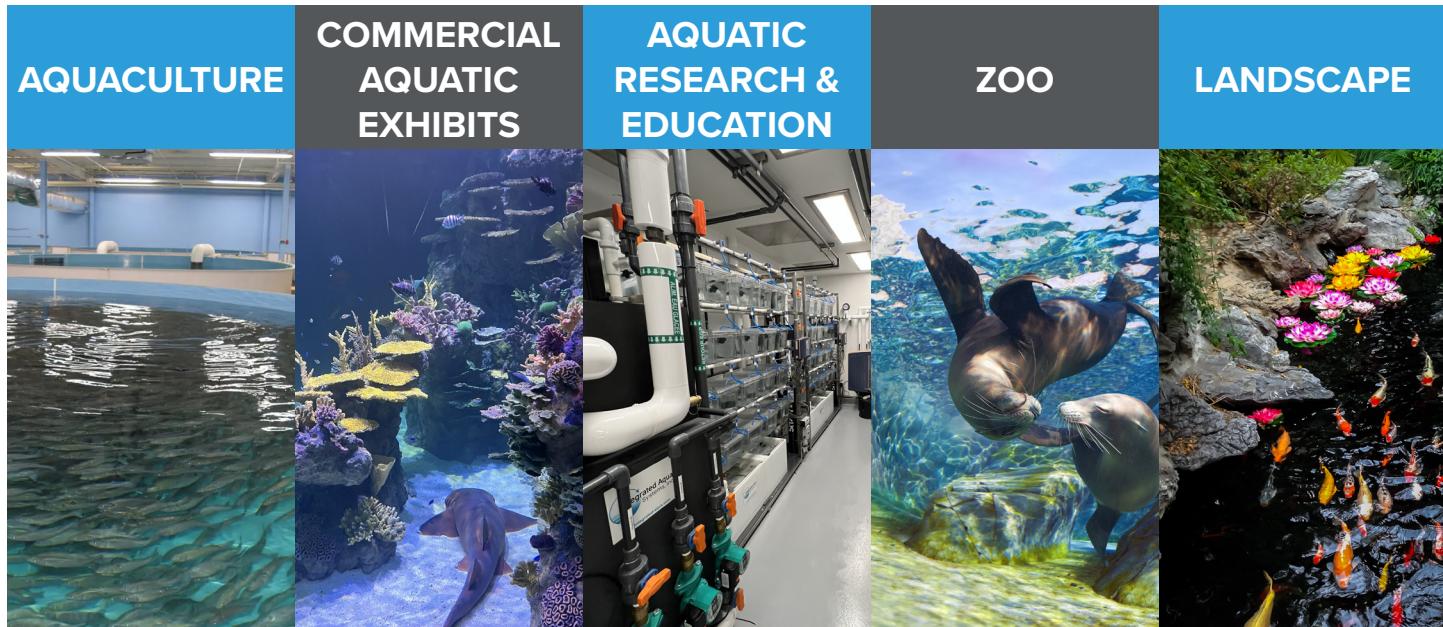
#### **Original Equipment Manufacturer (OEM).**

As an OEM we build, assemble, and test our manufactured equipment and systems in our modern industrial facility in Vista, CA. Our manufacturing capabilities include plastic fabrication, metal welding, custom tank fabrication, electrical integration, and wet testing. Our extensive capabilities allow us to meet the highly customized needs of every project.

#### **Experienced Technical Sales Team, Field Service & Support**

Our experienced technical sales team works with the top universities, public institutions, state and federal government, private entities, engineering service firms, contractors, and end users to supply the right equipment for the specific application. We provide supporting technical documentation to assist installing contractors

## **MARKETS SERVED**



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INTEGRATED-AQUA™

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CM Aqua

A Global Leader in Drum Filter  
Manufacturing & Technology**CM Aqua HEX Drum Filters**

Modern design manufactured with advanced polymer & composite materials and direct drive gear wheel transmission (DDGW). HEX drum filters deliver ultimate performance and corrosion resistance in the harshest saltwater applications.

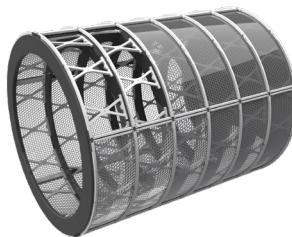
**X-SERIES Drum Filters**

offer maximum performance with least amount of maintenance required.

- Patented Beecell panels with superior filtration capacity.
- Available in complete range of capacities from 50-20,000 gpm+.
- Choose models in tank version, channel, and half-tank for max design flexibility.



**AQUAPLC™** Intelligent drum filter controller manufactured by IAS maximizes drum filtration performance with simple ease of operation.

**X<sup>24</sup> Click & Snap Panels**

Unique engineered panel design has zero metal and makes panel changes super quick and easy!



**DFC** INTEGRATED™  
Drum Filter Control

Turnkey skid-mounted systems built and tested by IAS delivered with drum filter controls, motor controls, rinse pump, and equipment included.



**IFM** INTEGRATED™  
Filtration Modules

Pre-Engineered integrated drum filter systems designed for plug-and-play installation. DFC System includes HEX drum filter pre-installed in sump with all required drum filter control components. Configurable for complete RAS to meet the specific requirements for commercial aquaculture systems up to 400 gpm.





## TinyDrum®

TinyDrum® series drum filters are a breakthrough German-engineered solids filtration technology designed for aquaculture, aquatic research, and aquarium display systems. TinyDrum® models ship standard 60 micron screens, available with 30/60/75 micron screens, touch-screen controller, and everything else needed for a complete compact package. Designed with the end-user in mind, the TinyDrum® lineup features three model series to meet a variety of filtration needs with capacity up to 135 gpm.

- Extremely Energy Efficient & Quiet.** Low head design requires only 125W of energy and operates very quietly.
- Compact.** Optimal for tight equipment spaces.
- Automatic Cleaning Saves Labor Expense.**
- All-In-One Sealed System.** Simple, plug-in installation
- Saltwater Rated.** Non-metallic design is meant for saltwater applications.



*TinyDrum includes touchscreen controller with single 115V electrical connection*





Società Italiana Trattamento Acque



### SITA UV Sterilizers

Complete range of models with capacity range from 80W to 80KW. Advanced Options including UL Listed control panels with full range of comm outputs, integral UVT sensor, optional manual or automatic wiper assemblies.



### Medium Pressure Designs

Manufactured from high-quality 316L SS. Small footprint and better ROI for high flow rate applications.



A Globally Recognized UV Manufacturer

- S.I.T.A. Srl (Società Italiana Trattamento Acque) High Quality UV Sterilizers Manufactured in Italy since 1982
- ISO 9001:2015 Certified Company
- Over 9,000 units shipped globally every year
- Heavy Duty Industrial Equipment
- 2 Year Standard Manufacturer Warranty
- US EPA UVDGM Point Source Summation + CFD Analysis



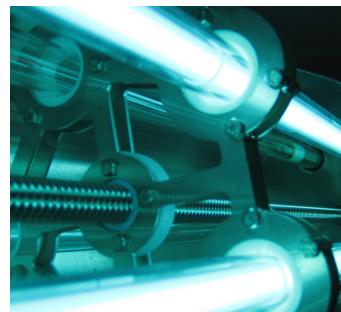
COMPANY WITH  
QUALITY SYSTEM  
CERTIFIED BY DNV  
= ISO 9001:2008 =



MADE IN

ITALY

IAS Partnership with USA Support



### High Output Polyethylene

Series of low-pressure amalgam units welded HDPE construction for saltwater applications. Highly configurable with many options to suit installation requirements.

- IAS Maintains Full Stocked Inventory of Spares & Accessories
- Factory Trained Sales & Tech Support
- **IAS offers FREE UVT Testing** to help clients size and select the right UV sterilizer for the application.



# MECHANICAL & BIOLOGICAL FILTRATION

INTEGRATED-AQUA™



## Media Filters

for sand, glass, or Perma-Bead®. Wide product range for maximum design flexibility.

**WATERCO**  
water, the liquid of life



**Perma-Bead**  
FILTRATION MEDIA

A non-clogging, non-channeling, permanent sinking bead media replacement for sand ideal for organically loaded systems.



## BioElements Biomedia

High-quality injection molded biomedia with high surface area and neutral buoyancy for best performance. Available in bulk and container loads.



**BioE**  
**BIOFILTERS™**

from IAS are engineered to achieve the desired water quality for the specific application in aquaculture.



## Bag & Cartridge Filters

High-quality commercial filters for polishing, stepped mechanical filtration systems. Sold loose or integrated.

**HAYWARD®**



## Disc Filtration Systems

Pressurized stacked disc filters, offering filtration ranges from 5-300 microns. Optional air-assisted backwash provides low water volume loss and minimal pressure requirements. Excellent for influent applications.





### Rectangular Fiberglass Tanks

Rectangular tanks with options including windows, insulation, support legs, and specialty tanks.



### Fiberglass Trays

Wet tables for aquatic research, stacked tray systems for nursery, and coral propagation.



### Fiberglass Panel Tanks

Available up to 60ft diameter. Ship via standard truck and assembled on site.



### Epoxy Coated Steel Tanks

Fusion-bonded epoxy coated steel panel tanks offer superior performance over enamel glass-fused tanks. Higher tolerance to impacts, field repairable, and generally more economical. Perfect solution for larger or taller tanks where FRP isn't practical.



### Polyethylene Tanks

Rectangular, round, and vertical tanks for specialized aquaculture applications.



### Water Storage Tanks

Vertical HDPE water holding tanks for makeup water, treatment, and storage uses.



# TEMPERATURE CONTROL EQUIPMENT

INTEGRATED-AQUA™



## Temperature Control

Commercial and industrial chillers, heat pumps, boilers and heat exchangers. Specifically designed for the aquaculture, aquarium, and zoo markets.



## Chillers & Heat Pumps

Available from 1 to 200+ tons for precision temperature control in a wide range of aquatic applications



## Heat Exchangers

including plate and frame, immersion grid, and helical coil. Sold loose or integrated into complete temperature control packages.



## Immersion Electric Heaters

**Point** of use versatile heaters for stand alone tanks and small systems.



## Heat Exchangers Packages

Integrated temperature control systems including heat exchangers, circulation pumps, valving, and accessories pre-plumbed and skid-mounted.



Pre-engineered systems designed to precisely maintain temperature in multiple aquatic lab systems. Dynamic, cyclical, and static temperature controllers available for maximum research flexibility.





#### Regenerative Blowers

High efficiency regenerative blowers designed to meet the rigorous aeration demands for aquaculture and aquatic life support applications.



#### Air pumps & accessories

for aeration in fish holding systems, exhibits, aquaculture tanks, and biofilters. Versatile and economical point of use units. 1-12CFM



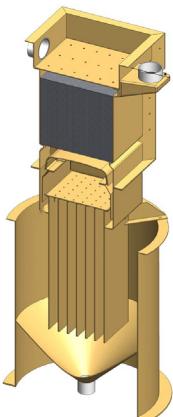
#### Oxygen & Ozone Cones

Pressurized Speece cones for high transfer capacity of oxygen or ozone gases. FRP construction with vinyl-ester veil for ozone applications. 15-50psi pressure capacities (non-ASME rated).



#### Aeration Diffusers

Economical and effective solution for aeration in aquaculture moving bed biofiltration (MBBR) and aeration applications. Coarse & fine-bubble, 3"-20"Ø



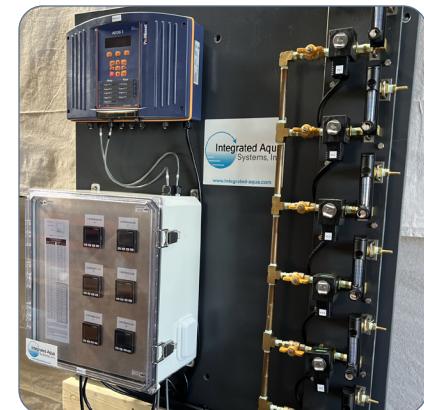
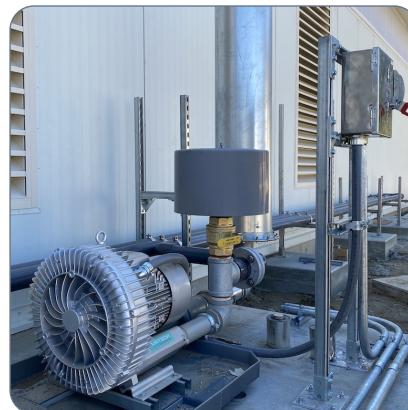
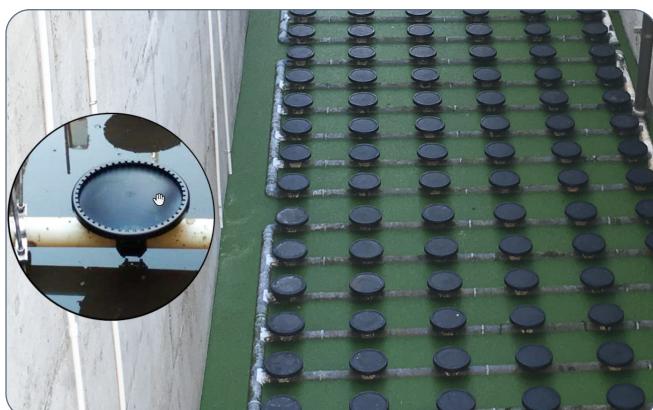
#### Gas Control Towers

Pre-engineered FRP gas control towers for aquaculture and commercial aquatic exhibits. Integrated counter-current CO2 stripper stacked over LHO for full gas control.



#### Oxygen Generators

PSA and VSA systems available for commercial aquaculture applications. 1kg/hr-250kg/hr+



# INSTRUMENTATION, MONITORING & CONTROLS

INTEGRATED-AQUA™



## Water Quality Monitoring & Control Systems

from Prominent Fluid Controls. German engineered and US manufactured to the highest standards.

# ProMinent®

IAS offers Aegis II and Aegis X controller platforms along with high quality sensors, flow cells, and chem feed pumps. IAS supports customers with in-house programming, testing, and technical support. Prominent is a premier choice for versatile monitoring and control equipment to meet the unique requirements in aquatic life support and research applications.



## OxyGuard Marlin+

Marlin+ is an easy to use dual-channel monitoring & control solution. Works with any 4-20mA probes. 4.3" color touchscreen, 4 relays, Modbus/TCP.



## Instrumentation & Process Controls

Complete range of products designed for saltwater applications including flow meters, liquid level sensors, pressure transducers, gauges, analytical sensors, and transmitters.



## Water Quality Sensors

High-Quality instrumentation for pH, temperature, ORP, TGP, dissolved oxygen, flow rate, conductivity, and more.

+GF+



## Inline & Handheld Sensors & Probes

Including oxygen probes, handhelds, process monitors and control. Cloud based control systems for commercial aquaculture.

OxyGuard®





**Corrosion-Resistant Centrifugal**

Pumps manufactured in the USA for highest quality and performance. Saltwater rated available with integral basket strainers and VFD's options.



**Commercial Centrifugal**

Cast & Ductile iron construction with Stainless Steel impellers. Closed & flex-coupled configurations, horizontal end suction, & vertical inline types. All range of duty points & options.



**Specialty & Industrial**

pumps including mag-drive, submersible, vertical turbine, and booster pumps for drum filter rinse applications.



**Motor Controls**

including variable frequency drives (VFD), motor starters, integrated control systems.



IAS Integrated Systems are fully engineered, factory-integrated solutions designed for reliable performance across diverse water applications. Each system is pre-assembled, factory tested and delivered as a turnkey package to simplify installation and commissioning. These integrated solutions support public aquatic exhibits, aquaculture operations, aquatic research facilities, ponds, and water features. Designed for commercial and industrial water applications, IAS Integrated Systems provide consistent performance, reduced risk, and deliver long-term operational confidence.



## COMPLETE RANGE OF INTEGRATED SYSTEMS

**IFM** INTEGRATED FILTRATION MODULES

**IFS** INTEGRATED FILTRATION SKIDS

**DFC** DRUM FILTER CONTROL SYSTEMS

**ECS** ENVIRONMENTAL CONTROL SYSTEMS

**ICM** INTEGRATED CULTURE MODULES

**WTS** WET TABLE SYSTEMS

**TCS** TEMPERATURE CONTROL SYSTEMS

**GCS** GAS CONTROL SYSTEMS

**MWS** MAKEUP WATER SYSTEMS





IFM Systems are advanced, customizable low-head filtration systems that combine multiple filtration stages into a single, efficient, automatically cleaning unit. Designed with energy and space efficiency in mind, these systems provide ultra-quiet, high-performance operation while significantly reducing labor and operational costs.

The innovative design of IFM systems integrates essential processes such as particle removal, biofiltration, aeration, temperature control, pumping, disinfection, and automation—delivering a comprehensive, turnkey solution for aquatic life support.

- **Extremely Energy Efficient.** Low head operation requires minimal pumping energy.
- **Self-Cleaning.** Automated rinse system dramatically reduces maintenance labor.
- **Efficient Water Use.** Minimal rinse water used for cleaning filters.
- **Saltwater Compatible.** 100% Non-Corrosive materials designed for seawater.
- **Turnkey Installation.** Pre-Engineered design minimizes site installation cost.
- **Scalable & Modular.** Commercial system design for the most demanding applications.
- **Minimal Footprint.** Space efficient design for best maintenance access.
- **Commercial Aquaculture Design.** High-Quality equipment engineered for maximum system performance.



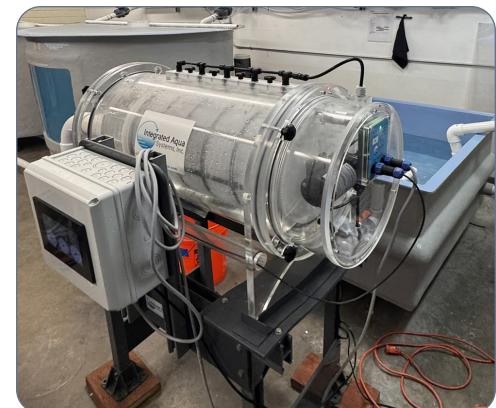
## TD-Series

Extremely efficient and compact integrated filtration system using TinyDrum skid-mounted with engineered biosump, pumping, and UV disinfection.



## X-Series

Pre-engineered mechanical filtration packages utilizing HEX drum filter and IAS drum filter control system pre-assembled in a custom engineered sump for easy installation.





# INTEGRATED™ Filtration Skids

IFS Systems are pre-engineered, skid-mounted water treatment systems that combine pumping, mechanical filtration, and UV disinfection into a single, skid-mounted unit. Designed with flexibility, ease of maintenance, and modularity in mind, these systems provide modular high-performance operation for a wide range of aquatic life support applications.

The media filter is compatible with different media types including Perma-Bead® media, sand, or multi-media depending on the application. Available with a wide range of automation and control options, systems can be basic manual backwash type or completely automated for minimal maintenance labor.

Ideal for commercial aquatic displays, ponds, water features, aquaculture systems, incoming water treatment systems, fish holding systems, and more.



- **Customizable.** Designed and built to meet project and performance specifications.
- **Perma-Bead® Media.** Non-clogging, non-channeling filtration media designed for organically loaded systems.
- **Efficient Pumps.** Select from a wide range of high quality pumps and motor controls designed for high-performance.
- **Turnkey Installation.** Pre-Engineered design minimizes site installation cost and ensures proper design for maintenance access.
- **Scalable & Modular.** Commercial system design for the most demanding applications.

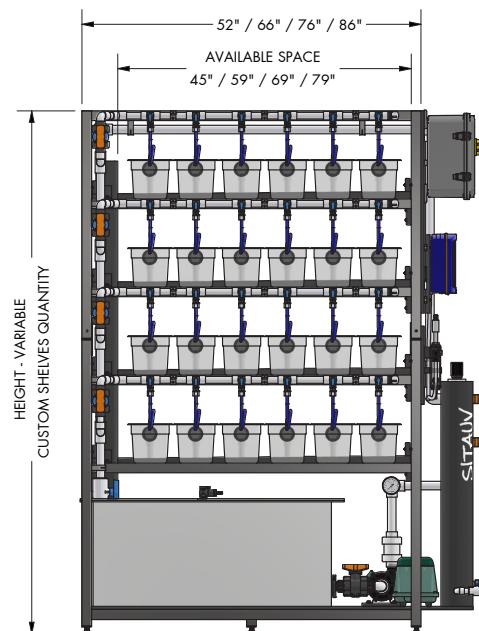




# INTEGRATED™ Culture Modules

Integrated Culture Modules (ICM) from IAS are a complete series of pre-engineered multi-tank, rack mounted aquatic research systems designed for flex research purposes. User configurable tank combinations and specialized environmental control systems offer researchers ultimate flexibility in their lab design.

- **Modular.** Split rack design makes tight lab spaces accessible and optimizes shipping economy.
- **Saltwater Compatible.** Every system is designed for fresh or saltwater use using only the highest quality materials and modern design features.
- **High-Performance LSS.** Multi-stage recirculating aquatic life support system with easy access for maintenance and built-in safety features.
- **Superior Biofiltration.** High performance, non-crashing BioE moving bed biofilter provides superior water quality for livestock.
- **Biosecurity.** SITA UV sterilizer delivers high-output UVC disinfection for biosecurity from harmful pathogens and disease.
- **Quiet & Reliable.** Non-corrosive mag-drive pump delivers precise flow rates tailored to your system configuration maintaining optimal turnover and oxygen levels.
- **Flex Research Systems.** Ideal for wide range of species and experimental designs. Combine with environmental controls to fit out your modern research laboratory.



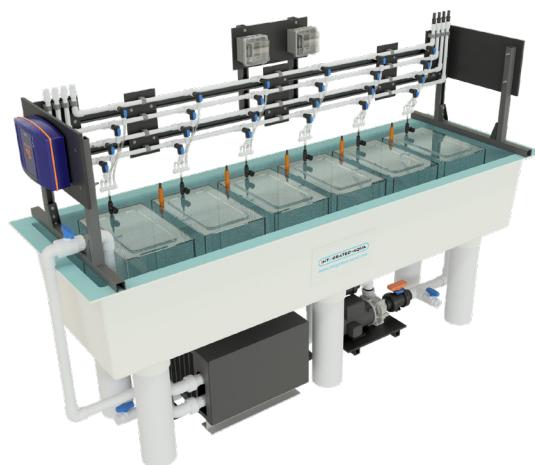


# INTEGRATED™ Wet-Table Systems

IAS Wet Table Systems utilize a wet bath type temperature control system to enable specialized research, environmental control, and propagation within individual mesocosms. The WTS provides a system for multiple independent culture units for aquatic specimen research.

Systems are available with precision temperature control. Ideal for wide range of research applications including pH, hypoxia, and temperature studies.

- **Independent Research Units.** Mesocosm design allows temperature control plus independent aquatic environment manipulation ideal for pH and hypoxia experiments.
- **Temperature Control.** Heating and chilling temperature control available with air-cooled and water-cooled equipment options.
- **Built for Lab Environments.** Extremely quiet and efficient pumps for optimum laboratory operation.
- **User Friendly Monitoring & Controls.** Prominent Aegis II industrial monitoring and control platform offers ultimate flexibility with datalogging, modern HMI, and communications.
- **Single-Level & Multi-Level System Design.** Multi-aquaria wet table systems are designed to maximize experimental units in tight lab spaces.



**A Global Leader in Automatic Feeder System Design & Manufacturing**



**arvotec**



### **Aquaculture Feeding Systems**

IAS offers the complete line of Arvotec equipment & systems for small to large-scale industrial projects.

IAS stocks a full inventory of spare parts and provides technical sales, service, and support to our customers.



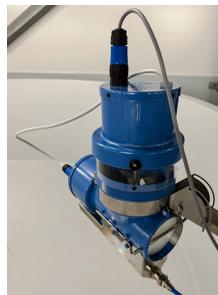
### **Robot Feeding Systems**

Facility-scale automatic feeding systems with precision delivery to the tank. Available with auto-refill systems and cloud-based controls.



### **Tank Feeding Systems**

TD2000 electric automatic feeders are the aquaculture industry standard. Static tank mounted units with wide range of hopper sizes, spreaders, controls & accessories.



### **Microfeeders**

For micro diet dispersion in early phase fish hatching and rearing. Available with wide range of drum sizes, mounting options, mixers, and spreaders to optimize feeding efficiency.

### **ArvoPRO Cloud-Based Control**

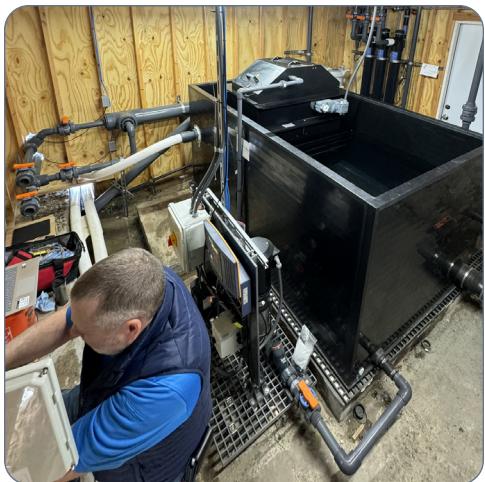
For advanced aquaculture projects with remote feeding capability ArvoPRO is the professional solution to maximized remote management.



### **Wolf Controller**

The PC-based Wolf automatic feeder controller works as a central user interface with optimized functions for managing your farm with ease.





## On-Site Startup, Commissioning & Training

Our field technicians are factory trained for professional on-site startup, commissioning, and training on equipment operation and maintenance.

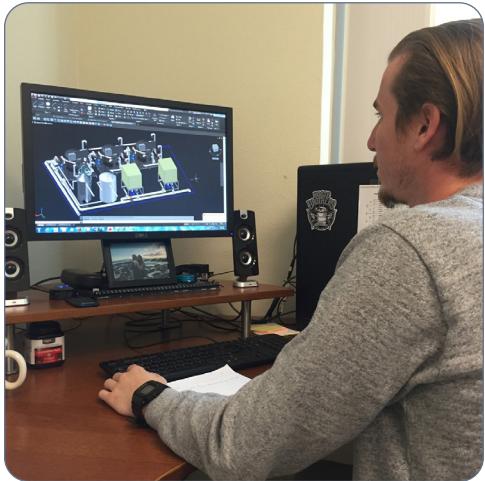
## Technical Services & Project Engineering Support

Our engineering department fully supports customers with professional technical support and technical documentation required to make your project successful.

- Free UV Transmittance Testing
- Monitoring & Controls Programming & Testing
- 3D CAD Design Drawings
- Complete Product Design & Engineering Documentation
- Contractor coordination for installation
- Stamped & Sealed Engineering Drawings as needed
- 3rd Party Certification and Validation

## Online Web Sales & Service

Global Aquaculture Supply Company (GASC) is a division of IAS offering a complete catalog of standard aquatic equipment. Visit our e-commerce web site: [www.globalaquaculturesupply.com](http://www.globalaquaculturesupply.com) for a comprehensive selection of products.



*A division of Integrated Aqua Systems, Inc.*



E-Commerce Sales & Service

[www.globalaquaculturesupply.com](http://www.globalaquaculturesupply.com)



# APPLICATIONS



## Aquatic Research Laboratories

Engineered to provide reliable, low-maintenance filtration with precise water quality control, making them an ideal choice for systems where accuracy and consistency are critical.



## Aquaculture Facilities

Complete range of commercial aquaculture equipment from leading manufacturers in the USA and globally. IAS is your partner for new construction or upgrading hatchery, nursery, or growout facilities using RAS, pRAS, or flow through technology.



## Public Aquariums & Zoos

Designed for crystal-clear water and long-term reliability in demanding, public-facing environments. Advanced LSS equipment and systems deliver exceptional water clarity while supporting stable water chemistry, creating healthy habitats that meet both animal welfare standards and visitors.



## Educational & Teaching Labs

IAS offers a complete range of tanks, equipment, systems, and technical support for any size aquatic lab or teaching facility project. Schedule a consultation with an experienced IAS application expert to configure your aquatic research lab.



# INTEGRATED-AQUA™

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