Marine Blue
AQUACULTURE

MARINE BLUE AQUACULTURE SOLUTIONS PVT. LTD.

Engineering the Future of Sustainable Aquaculture

Complete aquaculture engineering under one roof.



Built around the realities of each aquaculture context

Different operating contexts call for different combinations of biology, engineering, workflow, and support.





- Commercial shrimp, fish and crab producers
- Hatcheries and nurseries
- Government and fisheries departments
- Universities and research institutions
- Startups and investors
- Biofloc/coastal enterprises
- Aquaponics enterprises
- Export-oriented producers

Water treatment works as one system



1 Culture Tank



2 Solids Capture



3 Biological Filtration



4 Degassing



5 UV Sterilizer



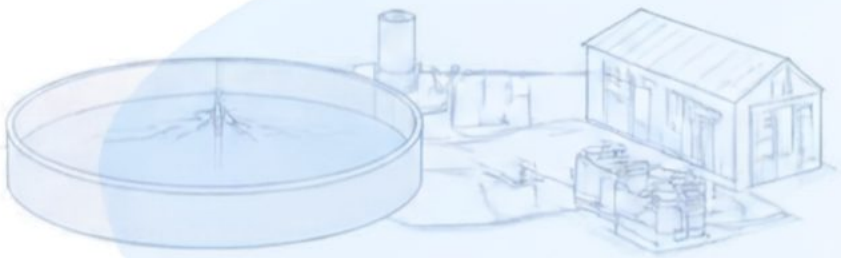
6 Oxygen Management



7 Return to fish tank

Equipment must work together as one system — with the flow, treatment objective, oxygen demand, service access, and operating workflow considered as a connected whole.

A connected portfolio of aquaculture systems



Each category is considered in relation to the process, not in isolation.

Culture & Containment



Weld-Free Circular Aquaculture Tank Systems

Filtration & Treatment



Automatic Mechanical Drum Filters



Biological Filtration Systems



Protein Skimmers



PSA Oxygen Generators

Oxygen & Gas Management



Nano-Bubble Oxygen Systems



Oxygen Cones



UV Sterilization Systems



Ozone Treatment Systems



Degassing Towers

Controls, Air & Life Support



Air Blowers & Diffuser Systems



Control Panels & Automation



Piping & Life Support Components

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Equipment is only as effective as the system around it

Marine Blue selects equipment as part of a complete process. The decision is shaped by flow, solids load, oxygen demand, treatment objective, materials, energy, service access, and redundancy — then integrated into a system that can be understood, operated, and supported.

Flow | Solids | O_2 Oxygen | Treatment | Materials | Energy | Access | Redundancy



From feasibility to handover, with technical clarity

Marine Blue connects feasibility, design review, engineering coordination, supply, installation, commissioning, training, and long-term technical support into one accountable pathway.



Turnkey Projects

A coordinated route from early definition through installation, commissioning, handover, and operational support.

Engineering Consultancy

Technical review and practical guidance for new systems, expansions, modernization, and decision-making.

Assess → Design → Deliver → Support

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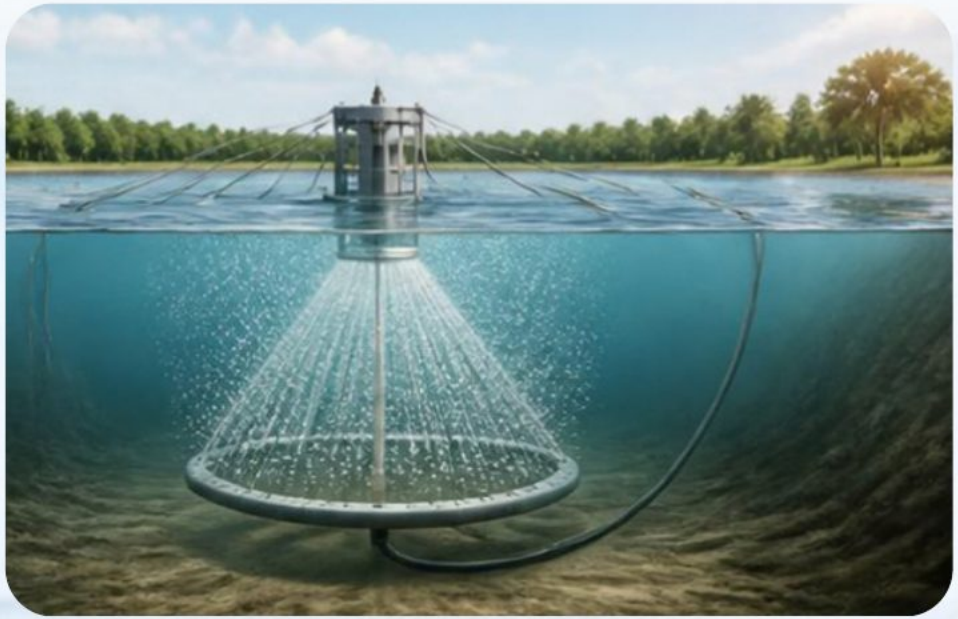
Oxygen, circulation, containment

Advanced Aeration & Oxygenation

Blowers, diffusers, oxygen cones, and backup oxygen pathways selected around oxygen demand, circulation, control, and service access.







HDPE Geomembrane

Durable lined ponds and reservoirs that support containment, maintainability, and practical site engineering.





Air → Oxygen → Distribution → Containment

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Infrastructure that supports every life stage



Hatchery & Nursery

Broodstock, larval, and nursery infrastructure organized around water quality, circulation, aeration, observation, and practical handling.

Intensive Pond Engineering

Pond systems planned around aeration, sludge and water management, durable access, and the operating workflow of the site.

Broodstock



Larval systems



Aeration



Water management



Controlled environments for year-round production



Indoor Aquaculture

Controlled facilities bring water quality, utilities, biosecurity, workflow, and operational access into one coordinated environment.

Indoor Shrimp

A disciplined crop workflow connects system design, water management, stocking, observation, harvest planning, and technical support.





Workflow

01 System Design
02 Water Management
03 Technical Support
04 Stocking
05 Harvest Planning
06 Observation



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Engineering-led aquaculture, built around the whole system

Marine Blue Aquaculture Solutions Pvt. Ltd. is an aquaculture engineering and technology partner. We connect species biology, production targets, biomass, water quality, hydraulics, oxygen demand, filtration, disinfection, automation, utilities, workflow, installation, commissioning, training, and long-term technical support into one accountable project pathway.

- **Biology + engineering**
- **Integrated water treatment**
- **From concept to production**

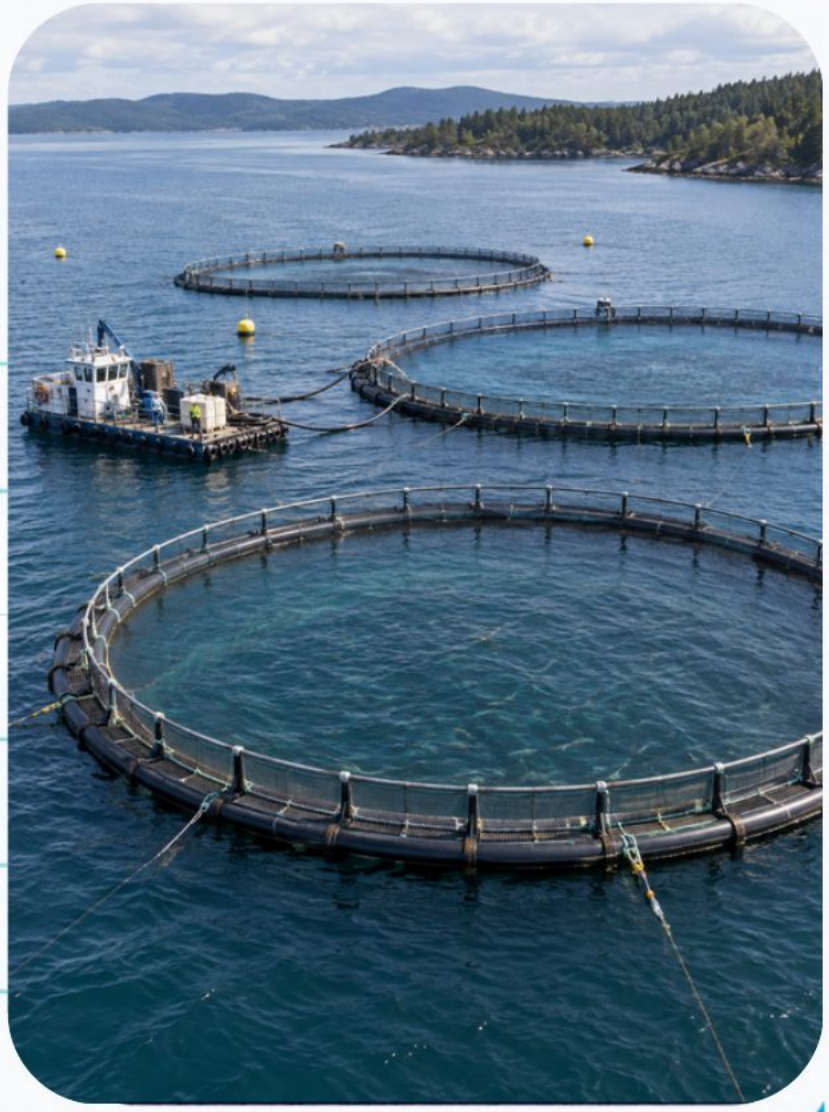


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From Concept to Production

A coordinated pathway for clearer decisions, practical delivery, and long-term operational support.

01	**Feasibility**	Assess site potential, regulations, and project viability.
02	**Concept**	Define system concept and operational approach.
03	**Engineering**	Develop engineered solutions and technical documentation.
04	**Supply**	Procure quality equipment and materials.
05	**Installation**	Execute installation with safety and precision.
06	**Commissioning**	Verify performance and ready the system.
07	**Production**	Begin operations and enable sustained performance.



Integrated capability. One accountable partner.

Twelve disciplines.
One connected delivery system.





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Controlled water. Smarter vertical architecture.



RAS

Controlled water movement, treatment, oxygenation, and return pathways designed around the production system.

Water quality

Integrated treatment



Vertical Mud Crab RAS

Vertical architecture and individual compartments can support organized handling, water management, and efficient use of space when matched to the biology and workflow.

Individual compartments

Workflow-aware design

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Modular platforms for circular, integrated production

Select the architecture that fits the species, site, workflow, and production objective.







01

Biofloc

A production approach built around managed microbial activity, solids handling, aeration, and disciplined operating practice.

02

Weld-Free Circular Tanks

A modular tank platform designed around circular flow, practical access, and adaptable deployment.

03

Aquaponics

Integrated fish-and-plant systems that connect water movement, nutrient pathways, and production workflow.

LET'S DEFINE

The right engineering pathway.

Tell us what you want to produce, where the project will be located and what stage you have reached. We will respond with a focused technical pathway.

01 **Production**
Species, capacity and target output

02 **Project context**
Location, stage and operating needs

03 **Technical response**
A focused engineering discussion

marineblueaqua.com/contact



START A TECHNICAL CONVERSATION

CONSULTATION
info@marineblueaqua.com

SALES
sales@marineblueaqua.com

PHONE / OFFICE
+91 84311 15801

CORPORATE OFFICE
#65, Prakruthi Plaza, Opp. SBI Bank,
Chamarajpet, Bengaluru – 560018, Karnataka, India

SCAN WEBSITE