

HTH - Aquatecnics

Aquaculture Technology & Business Development

OUR AQUACULTURE BIO-ENGINEERING PARTNERSHIP

Aquatecnics LLC has partnered with HTH Engineering & Equipment LLC to provide comprehensive aquaculture technology and business development services. This partnership is based on 26 years of successful bio-engineering collaborations.

PROFESSIONAL AQUACULTURE SERVICES

Our principals each bring more than 40 years of relevant international experience to the team. Our key associates and principals are well known for providing exceptional aquaculture technology and business development services. We are recognized professionals in both biology and engineering and active in the World Aquaculture Society, Aquacultural Engineering Society, National Shellfisheries Association and the East Coast Shellfish Growers Association.

RESPONSIBLE SUSTAINABLE AQUACULTURE DEVELOPMENT

Our Mission is to facilitate the development of responsible sustainable aquaculture for the benefit of governmental and institutional programs as well as small, medium and large enterprises. We propose to accomplish this with experienced project management, good science and technology, best business and environmental practices, and as champions for the development of responsible and sustainable governance and policy.



From Concept . . .

Aquaculture is the fastest growing segment of global food production and this growth trajectory must continue in order to meet the world demand for seafood. Seafood is an important protein source but with capture fisheries at their production limits virtually all future increases in supply will come from aquaculture. Aquaculture, done the right way, can provide a reliable and dependable source of fish and shellfish, create business and employment opportunities, and remain compatible with the environment.

Aquaculture is a business, not a science project. Realizing the Potential of Aquaculture requires clear, concise and cost effective planning, technology selection, design, construction and operations. Some aquaculture can be profitable at a small or medium size with a targeted market, but most successful aquaculture will take advantage of scale. Important for both the viability of the aquaculture endeavor itself

and for the customer is the minimization of environmental impacts through the use of Best Aquaculture Practices. Aquaculture production using BAPs will also be more cost-effective.

Aquaculture can be used as a tool in resource management and we support such projects. Hatchery-based population enhancement and habitat and species restoration have the potential to help rebuild fish and shellfish populations and create healthy ecosystems. Some of this work will come in the form of mitigation to overcome human impacts like pollution and climate change. In the enhancement realm we expect most of the projects to be directly or indirectly supported by governments rather than private investment.

HTH - Aquatecnics – we are experienced science, technology and business development professionals. We understand all aspects of the entire farmed fish value chain, including feed, genetics, production, processing, marketing and finance. Principals and key associates of HTH-Aquatecnics Team have been working in the aquaculture industry for 40+ years. We are personally committed to the development of responsible sustainable aquaculture and science-based natural resource management.

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EDWIN W. RHODES

With a B.S. degree in Zoology and extensive master's level study in Marine Science, Mr. Rhodes has 48 years of international experience in sustainable aquaculture technology, business development and facility operations. Key positions held include Aquaculture Coordinator for National Marine Fisheries Service, Executive Director of East Coast Shellfish Growers Association, Vice President of Sustainability and Aquaculture Development at Phillips Foods Inc., and Chair of National Fisheries Institute Crab Council. Email: aquatecnics@comcast.net Skype: ed-rhodes Tel: 443.683.3884 Key West, Florida, USA

KATHLEEN A. RHODES

With degrees in Biology and Zoology, Ms. Rhodes has 40 years of international experience in aquaculture science, education, business development and system operations. Kathy has led development of experiential-based aquaculture education programs and has been instrumental in development of U.S. East Coast Shellfish Growers Association. Email: KRhodes23@comcast.net Skype: kathy.rhodes23 Tel: 203.623.2819 Key West, Florida, USA

PAUL L. HUNDLEY, JR.

With degrees in Ocean and Mechanical Engineering, Mr. Hundley has 40 years of hydro-mechanical systems and facilities engineering experience in North and South America. He has worked with both marine and freshwater species in batch, flow-thru, recirculating and open-water aquaculture systems. Paul has led multidiscipline planning and design teams for numerous aquaculture projects. Email: Paul.Hundley.Jr@gmail.com Skype: paul.hundley1 Tel: 704.577.3574 Charleston, South Carolina and Hiawassee, Georgia, USA



. . . to Reality!!

- **Commercial Aquaculture** – Aquaculture businesses will benefit from our expertise including species selection, site selection, feasibility analyses, business planning, project design, engineering, construction, production and marketing.
- **Regional Aquaculture Development** – Aquaculture can be an important contributor to regional economies and to food security. We can assist with pilot feasibility projects that, if successful, can be expanded into profitable businesses.
- **Public Aquaculture** – Projects such as population enhancement and shellfish and habitat restoration are usually funded with public sources. Our private sector experience can help make these projects as cost-effective as possible.

Where We Can Help

- Identify commercial aquaculture opportunities
- Develop plans for production, marketing and finance
- Assist with site selection
- Support facilities planning, design and construction
- Identify cost-effective feeds from sustainable sources
- Develop genetic breeding programs
- Recommend Best Aquaculture Practices to improve efficiency and minimize environmental impacts
- Support regional aquaculture development
- Optimize water systems for hatcheries and tank-based aquaculture
- Improve environmental management of cage, pond and tank-based systems
- Assist with aquaculture permitting

SERVICES AVAILABLE

Consulting & Project Management
Feasibility Studies & Business Planning
Facilities Planning and Design
Biosecure Hatchery Design
Construction Support Services
Operations & Maintenance Support
Educational Programs
Supply Chain Analysis
Micro and Macro Finance Support

FOR MORE INFORMATION

about our professional aquaculture technology & business development services please visit us on the Web at:
<http://aquatecnics.biz>

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