

About NI **Technology** **Products** **Investor Relations** **In The News**

Welcome to Neptune Industries

neptune
INDUSTRIES, INC

Whats New @ Neptune

Neptune Industries Launches New Website For Customers & Investors

In response to overwhelming demand for more information, NI has prepared this website for both customer and investors. Look around!

Aqua-Sphere™ System Technology

The U.S. has rapidly moved from a manufacturing country, to one of technology, innovation, and design. We show others how to produce products faster, cheaper, and better. Neptune 's industry focus is no exception. The founders of Neptune began designing and engineering production system technology over eight years ago, before the concept of Neptune was born. The most exciting new technology conceptualized and pioneered by the founders is the Aqua-Sphere™ (formerly known as S.A.F.E.) System, which incorporates the Aqua-Cell™ jointed, articulating tank . Technology and innovation sets this system apart from all other current production systems.

The Aqua-Sphere™ system is an innovative, floating, semi-rigid containment system for intensive fish and seafood production that can be used in a variety of deep and shallow water applications including lakes ponds, preformed impoundments such as quarries, burrow pits, mineral mines, storm water treatment areas, etc., as well as bays, estuaries and other near-shore marine environments. The proprietary tank design flexes with current, tide, and wave action eliminating cracking, breaking, and collapsing of the environment, as often occurs with net pens and solid structures.

The conical-shaped bottom and proprietary waste trap concentrate solid waste, thereby enabling this novel system to efficiently contain and manage solid waste collection. This feature opens up even closed bodies of water where traditional intensive aqua farming can have a potentially negative environmental impact (and, consequently has not been feasible to date).

The Aqua-Sphere™ System is the first total fish and seafood culture system that offers:

- Modular design for ease of use in a variety of settings, and with a variety of systems, and designed to withstand a variety of environmental stressors (for example, heave from wave action) without compromising the efficiency and efficacy of waste collection.
- An economically and environmentally superior alternative to currently available cages and net pens. It is designed to satisfy the growing environmental demands of many governments worldwide.
- An environmentally sustainable grow-out of finfish, shellfish, and other seafood products (through efficacious removal of solid waste and discharge of very dilute effluent).
- Protection from predators.
- Incorporation of alternative energy sources such as solar, wind and wave to significantly decrease operating costs..
- Capable of being closed to the exterior environment to isolate the fish from the environment in situations of adverse aquatic conditions (for example anoxic conditions due to lake inversion) or for disease treatment.

Aqua-Sphere Technology is set to revolutionize the seafood farming industry.



- Cost-effective, easy to transport, and set up for use in remote locations.

The system features alternative solar energy, an automated feeding system, air lift pumping, solid waste collection and disposal, and a unique wall design. Over three years of testing on five innovative components have proven time and again the reliability of Aqua-Sphere™ technology. Through the development and operation of three pilot farms, management has field tested various components of the Aqua-Sphere™ System. The system is designed to be energy efficient and eco-friendly in operation, and has a diversity of applications in warm, cold, fresh, and salt water. Such operation and efficiency satisfy today's stringent environmental regulations, as well as the need for alternative energy applications. The Company, using the technology developed by the founders, plans to rapidly convert South Florida 's unused quarry lakes into highly productive aqua-farms at a fraction of the cost of other farm facilities.

A U.S. provisional Patent for the Aqua-Sphere™ System was issued in early 2005. A final patent application and a Patent Cooperative Treaty (PCT) were filed in January, 2006 with the United States Patent & Trademark Office. The PCT represents the initial step for applications to be filed in many other countries. The Aqua-Sphere™ and Aqua-Cell™ trademarks were also filed in July, 2006, and are pending.

Plans for a franchise/licensing program are being developed to offer small business employment and earnings opportunities to local entrepreneurs in all parts of the country. This program is expected to receive support and perhaps funding or tax incentives from states around the country, as it already has overseas.

Aqua-Sphere™ System's unique design will provide fish farmers with the ability to reduce labor and production costs; increase growth rates; decrease growing time; isolate farmed fish from wild stocks; protect the environment by reducing waste contamination, and to expand the number of species now being farm raised.

Aqua-Sphere™ is "Tomorrows Technology-Today"

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