



OceanSpar

Solutions for Marine Aquaculture



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OceanSpar delivers high performance fish pens, operating equipment and support services to leading offshore aquaculture companies. We support the development of a productive and sustainable marine aquaculture industry and believe open ocean aquaculture is vital to meeting the world's growing demand for sustainable seafood.

Working with OceanSpar

- Proven, patented fish pen technology with successful harvest histories
- Closely integrated operating equipment to reduce production costs
- A knowledgeable team with leaders in marine aquaculture research
- Over 15 years experience “in the water” for our fish pens and team
- A partnering approach to develop custom solutions for your business

The Need for Open Ocean Aquaculture

Global seafood consumption is expanding rapidly while most wild-catch fisheries have reached equilibrium or are in decline. Consumers are also demanding greater seafood choice, higher quality fish and the use of environmentally-friendly production methods. Growth in near-shore, freshwater and land-based aquaculture is increasingly limited by pollution concerns and competing lease area uses. We believe the shift to open ocean aquaculture is vital to meeting the growing demand for seafood in a sustainable, environmentally-friendly manner.

Why OceanSpar?

OceanSpar fish pens, mooring solutions and support services help aquaculture companies meet the challenges of open ocean operations. Our patented line of SeaStation™ and AquaSpar™ fish pens are proven technology with successful deployments and harvest histories. Our custom mooring solutions are designed and engineered to give farmers the production scale and security they need for economic success. The OceanSpar team works as your partner to help develop the right solutions for your open ocean aquaculture business.

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Products & Services

SeaStation™ Fish Pens

- Deep Water (over 25 meters)
- Large Capacity (600 to 10,000 m³)
- High Current (up to 125 cm/sec)
- Unlimited Fetch, Extreme Storm Events

AquaSpar™ Fish Pens

- Moderate Depth (15-30 meters)
- Large Capacity (5,000 to 25,000 m³)
- High Current (up to 110 cm/sec)
- Large Jump Space Requirements

SeaSpar™ Feed & Control System

- Remote Operations
- Large Feed Capacity (up to 100 MT)
- Multi-pen Feeding (up to 12 pens)
- Operates in Heavy Sea Conditions

SeaLift™ Harvest System

- Diver-free Harvesting
- Range of Mesh Sizes & Capacities
- Integrated Passive Grading

Mooring Solutions

- Multi-cell Grid Systems
- Finite Element Analysis
- Individual Fish Pen Mooring

Aquaculture Services

- Product Design & Engineering
- Site Evaluation
- Installation and Maintenance

Fish Pens & Mooring Solutions

- Patented designs for strength and long service life in all sea conditions
- Close integration with stocking, feeding, harvesting and cleaning equipment
- SeaStation™ – for submerged or surface operation in medium/high energy offshore sites
- AquaSpar™ – for low/medium energy open ocean sites or high current river sites
- Tailored, secure nursery nets in a wide range of mesh sizes and capacities
- Stable volume and predation control for reduced fish stress and better health
- Long track record of successful deployments and harvests
- Custom design of mooring solutions, including finite element simulation models
- Grid system mooring designs to reduce costs for large scale farms

Farm Operating Equipment

- Full range of support equipment for stocking, feeding, harvesting and maintenance
- Large partner network to source specialized rigging at reduced costs
- SeaSpar™ – semi-submerged spar for low cost feeding and offshore operations
- SeaSpar™ – multi-pen, subsurface feeding with capacities up to 100 MT
- SeaSpar™ – unique mooring system designed to withstand Cat 5 hurricane events
- Wide range of netting and harvest equipment to match species and operating methods
- SeaLift™ – diver-free harvest system using controlled fish pen ascent and descent
- Net cleaning options include passive air/sun drying at surface and active net cleaners
- Predation control through steel mortality collection point and taut netting

Aquaculture Engineering Services

- Full service partner for engineering, site evaluation, installation and maintenance
- Custom designed and engineered nets, harvest equipment and other products
- Over 30 years engineering experience using Solidworks, Pro/E, AutoCAD, NEMOS™
- Projects to assess suitability of offshore sites (engineering, infrastructure, water quality)
- Deliverables to support environmental assessments and business decisions
- On-site supervision and manpower for mooring system and fish pen deployment
- Regular inspection/maintenance schedules and services for long equipment life
- Break strength testing and abrasion analysis for nets and rigging
- Over 50 years cumulative commercial diving and marine construction experience

Contact Us

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About OceanSpar

OceanSpar provides highly engineered products and services to the marine aquaculture industry. Our patented fish pen designs, mooring solutions and operating equipment help leading aquaculture companies reduce costs and maximize yields. Our engineering and support services help offshore farm managers build a secure grow-out infrastructure tailored to their specific operating needs. Working as your aquaculture partner, OceanSpar helps clients build and manage successful open ocean aquaculture sites across a broad range of sea conditions, fish species and environmental requirements.