

## Overview

Solar Oysters offers an innovative new platform with on-site solar-powered automation for oyster aquaculture.

The Solar Oysters Production System (SOPS) will expand grow capacity while decreasing the area required to grow oysters and labor demands.

SOPS are now available through our North American distributor, Hoopers Island Oyster Company.



# Solar Oyster Production System (SOPS)



Higher Yield



Automation



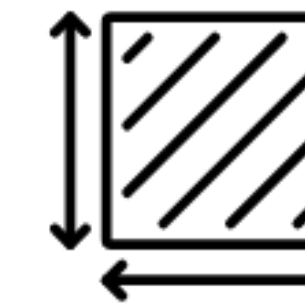
Sustainability



Solar-powered



Simplified



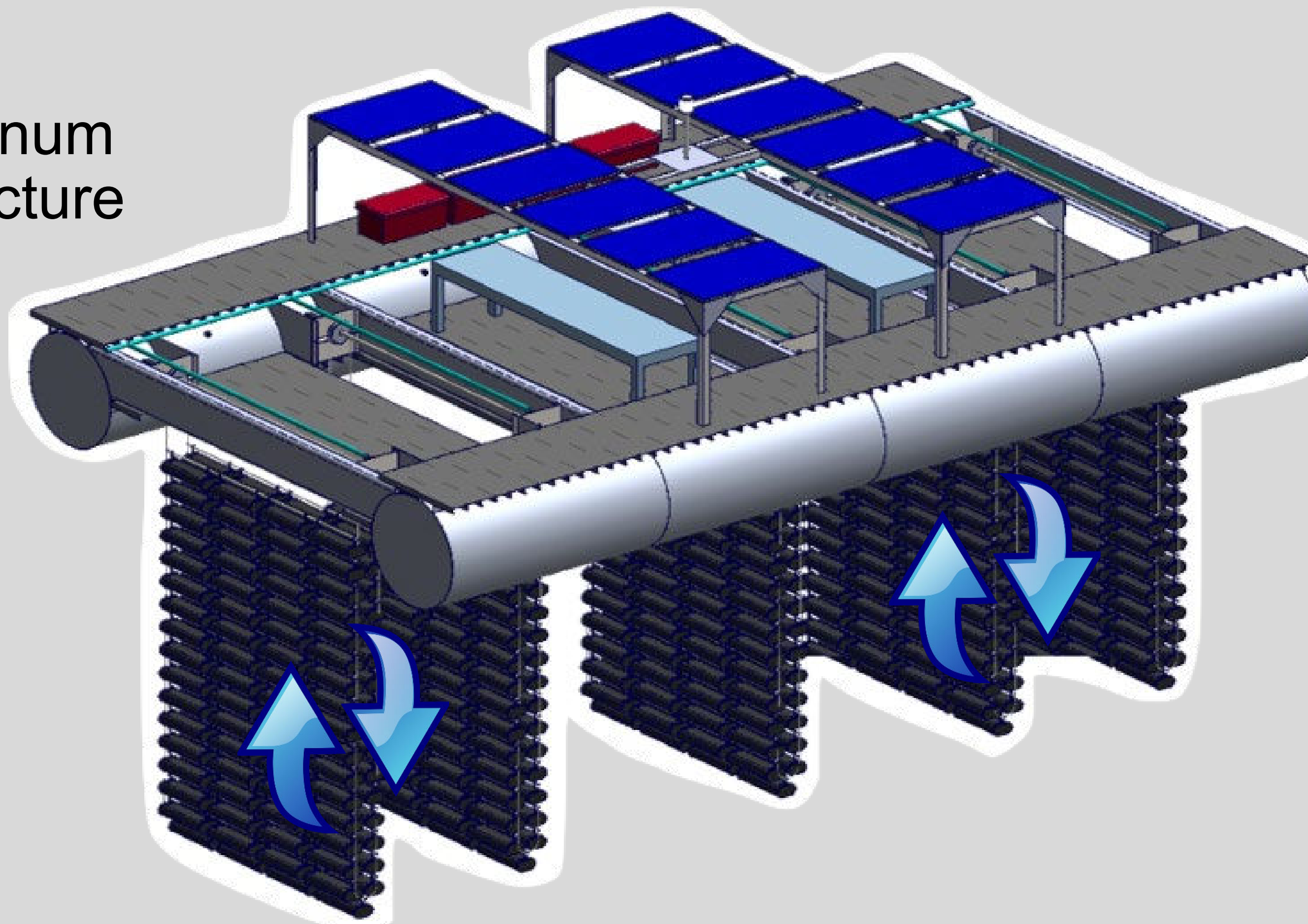
Small Footprint

## Key Features

40'x25' Aluminum Pontoon Structure

12 375W Solar Panels

5 rotating Oyster Ladders



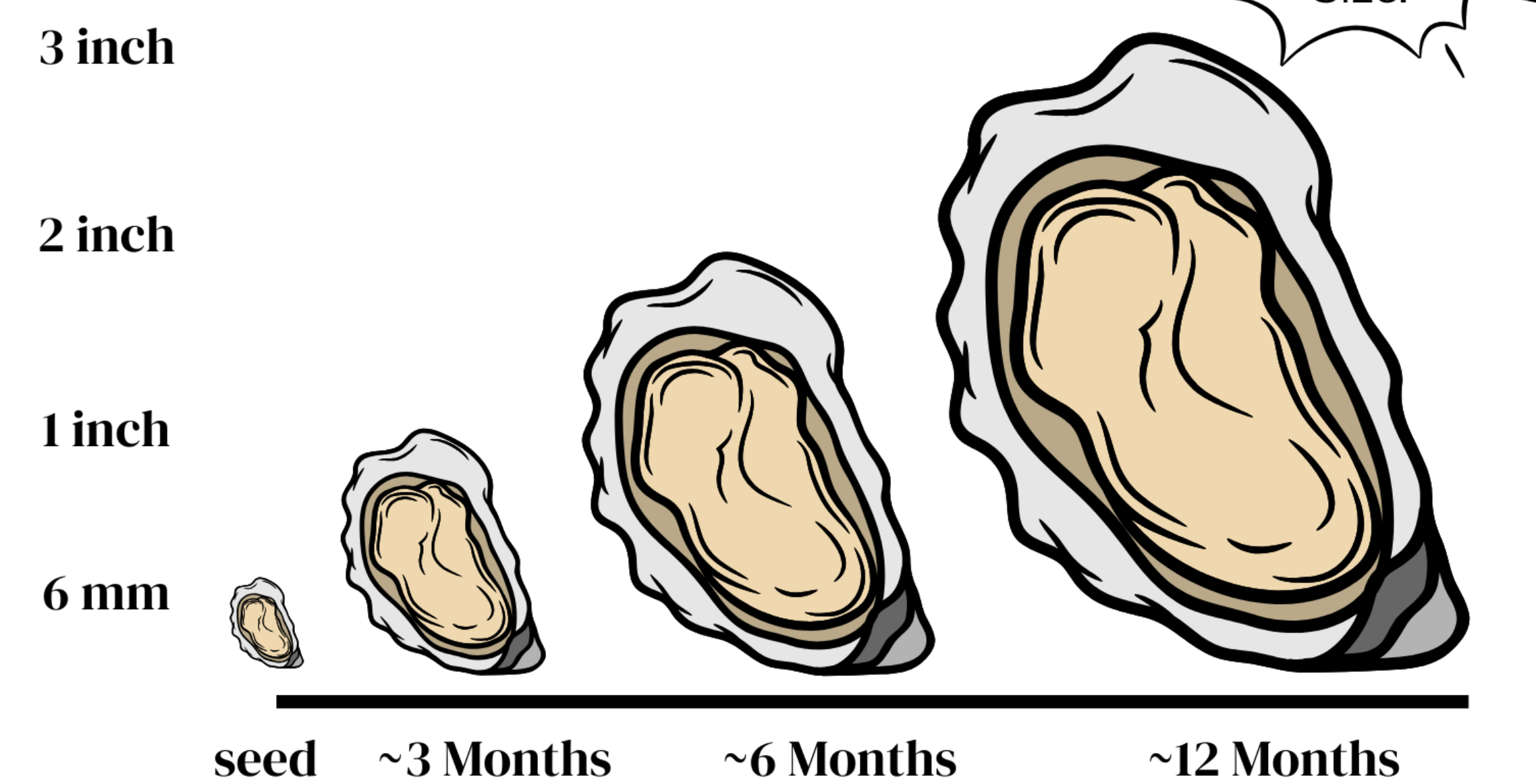
575 Hexcyl Oyster Baskets

20 ft. water depth

Pressure Wash Spray System

## Oysters

SOPS produces oysters with high meat-to-shell ratio, deep cups and uniform shape.



## Environmental Benefits

- Increased water filtration
- Sequestration of Nitrogen & Phosphorus
- Increase Biodiversity
- Create stable and protected shoreline
- Improve water quality
- Potential to generate nutrient credits
- Sustainable, clean oyster production

## Oyster Grow Methods

	Reduced Ecological Damage	Predation Control	Tumbling Action	Automation of Repetitive Processes	Vertical Aquaculture	Renewable Energy
SOPS	✓	✓	✓	✓	✓	✓
Floating or Off-Bottom	✓	✓	Some	Some	Some	No
Bottom Culture	Some	No	No	No	No	No

## Contact



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## Key Operational Procedures

1

Clip baskets onto Oyster Ladders in rows of 5.



2

Use Control Panel to rotate Oyster Ladders for tumbling, desiccation, and sorting.



3

Use automatic or manual Spray Wash System for cleaning and biofouling control.



4

Measure and sort the growing oysters into new baskets (or harvest), depending on size.



## Acknowledgments

