

Chapter 9  
Other Future Uses



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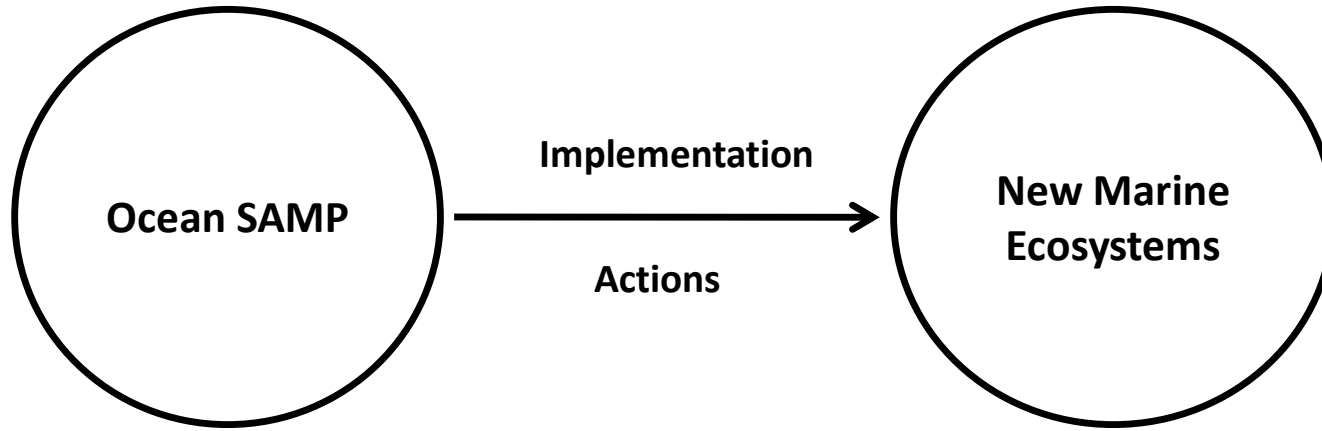
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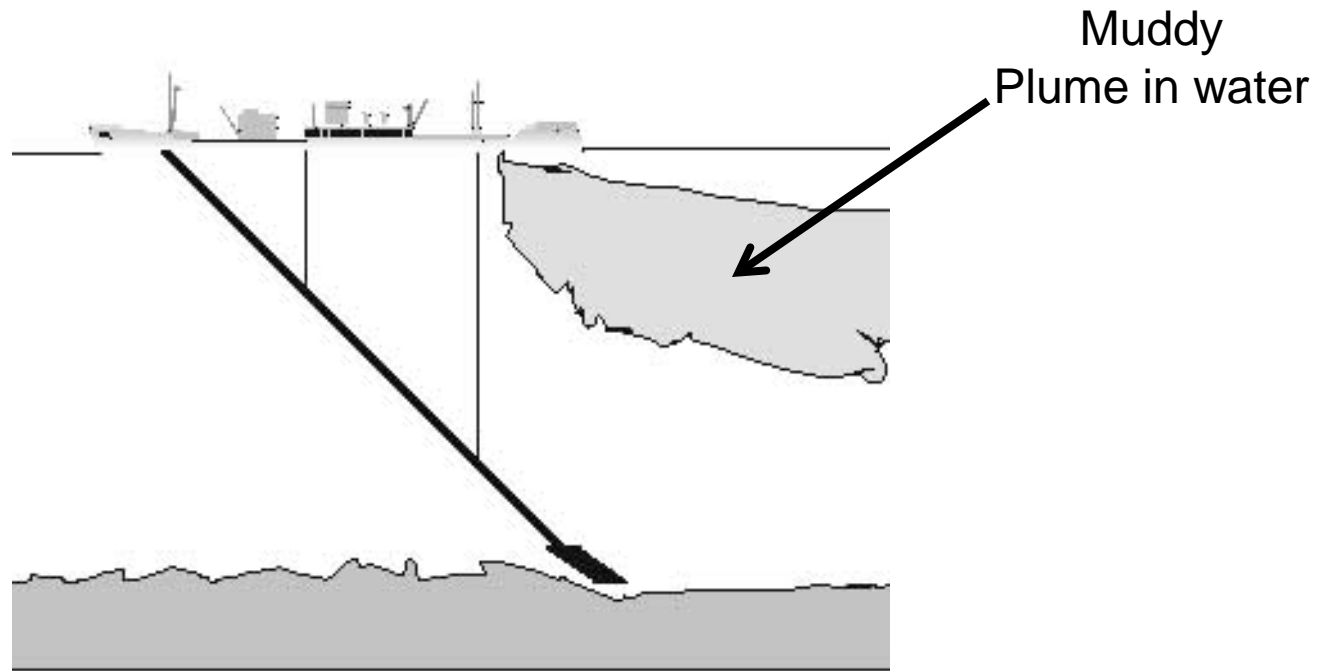
Drivers

**Climate change**  
**Renewable energy**  
**Marine spatial planning**  
**Green and knowledge-based economy**

Future Uses

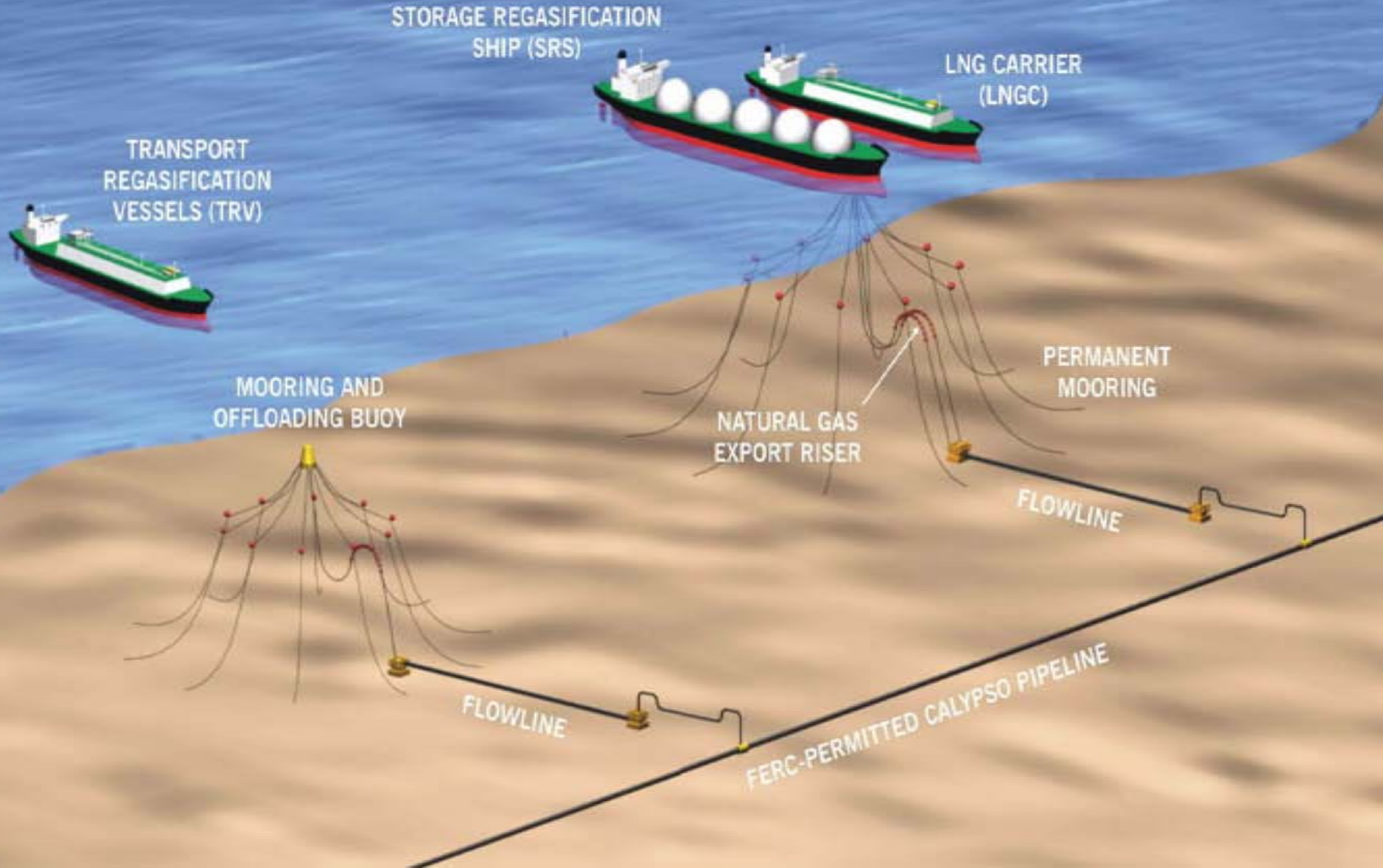
**Expansion of renewable energy**  
**Expansion of marine transportation**  
**Expansion of regional food economy**  
**Expansion of recreation/tourism**  
**Expansion of knowledge-based economy**  
**Expansion of marine conservation/protected areas**  
**New uses**

# Offshore Mining



*The vessel drags a suction head over the seafloor and pumps sand and gravel into its hold, leaving a plume of muddy water drifting in its wake.*

# Offshore LNG

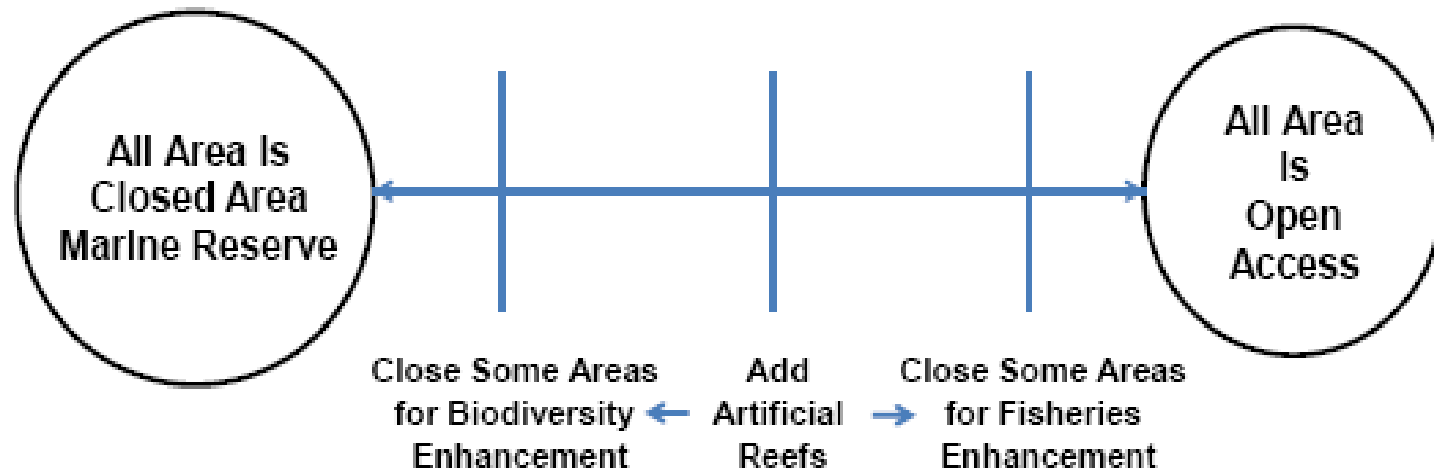


# Short Sea Shipping



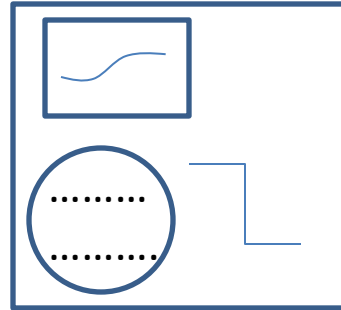
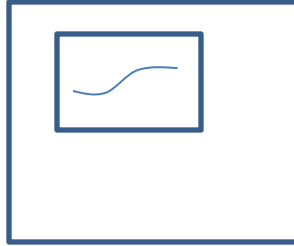
# Biodiversity & Fisheries Enhancement

## Options for Future Uses of SAMP Area for Conservation and Fisheries Enhancement



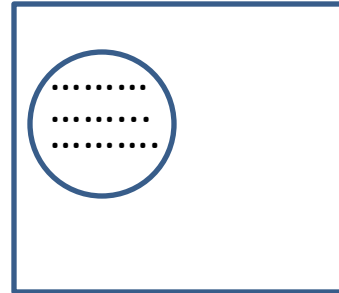


**Biodiversity  
Enhancement**



**Add Artificial Reefs**

**Fisheries  
Enhancement**



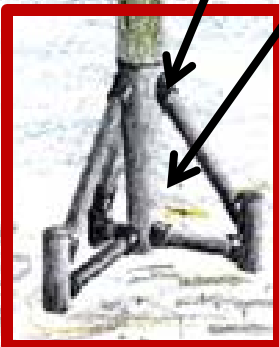
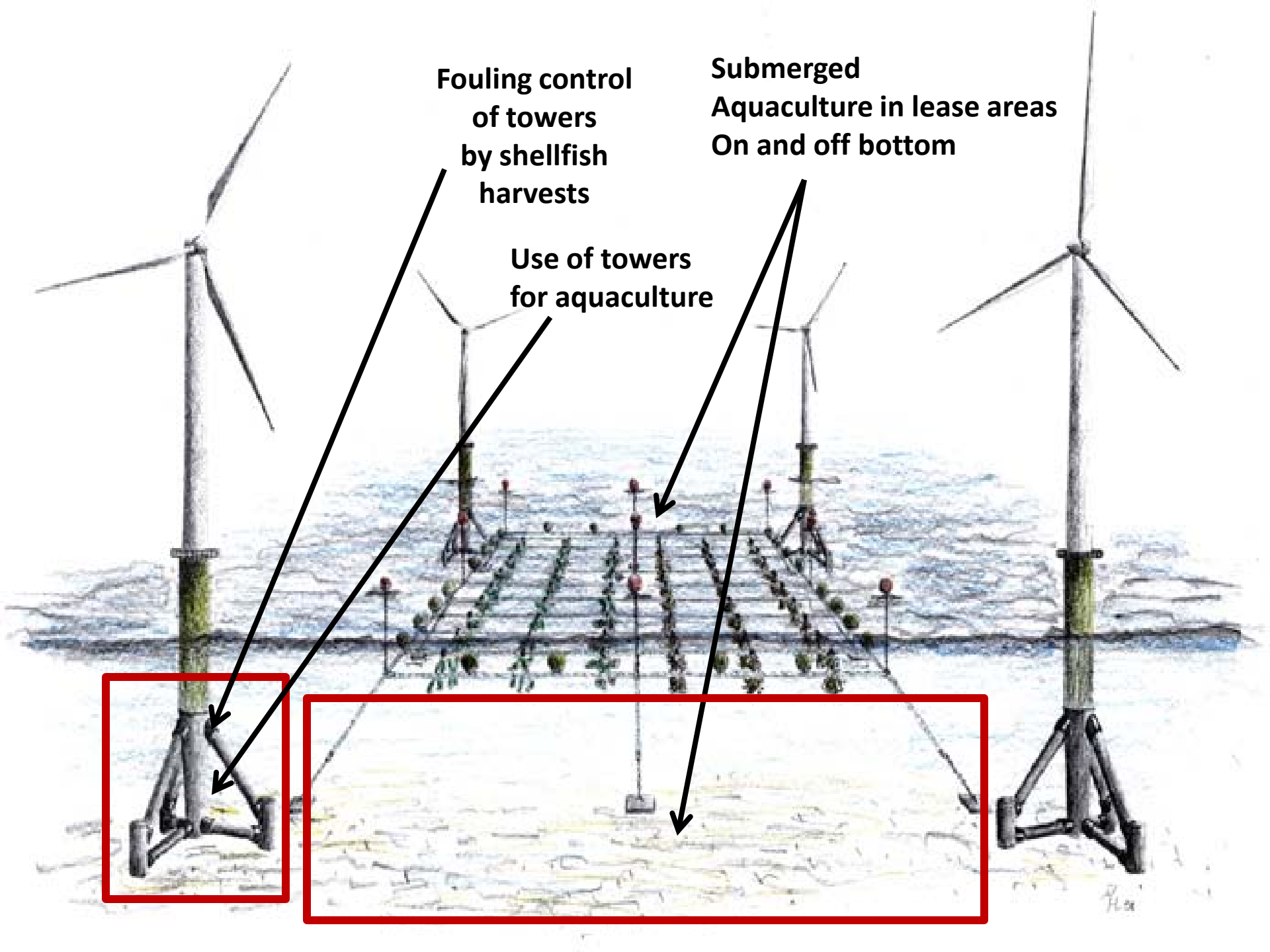
**Open**



**Fouling control  
of towers  
by shellfish  
harvests**

**Submerged  
Aquaculture in lease areas  
On and off bottom**

**Use of towers  
for aquaculture**



*H. Lee*

# Fouling Control by Harvesting Shellfish



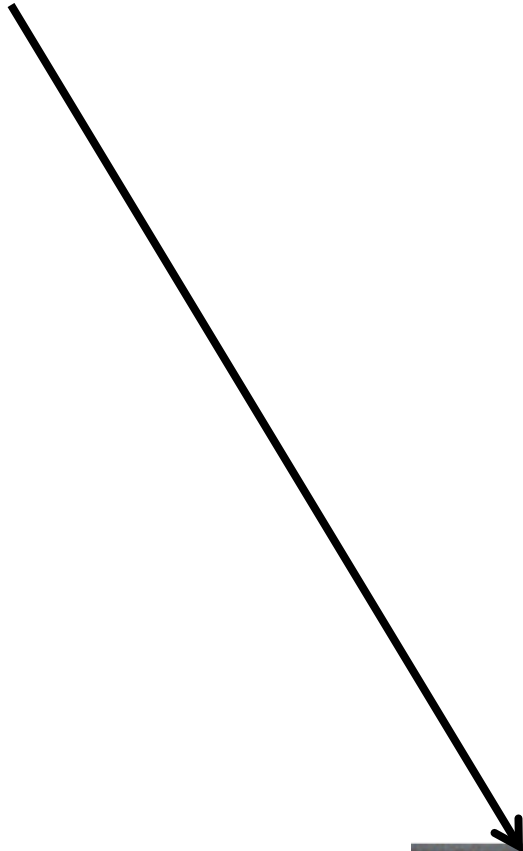


# Use of the Towers & Jacket Structures

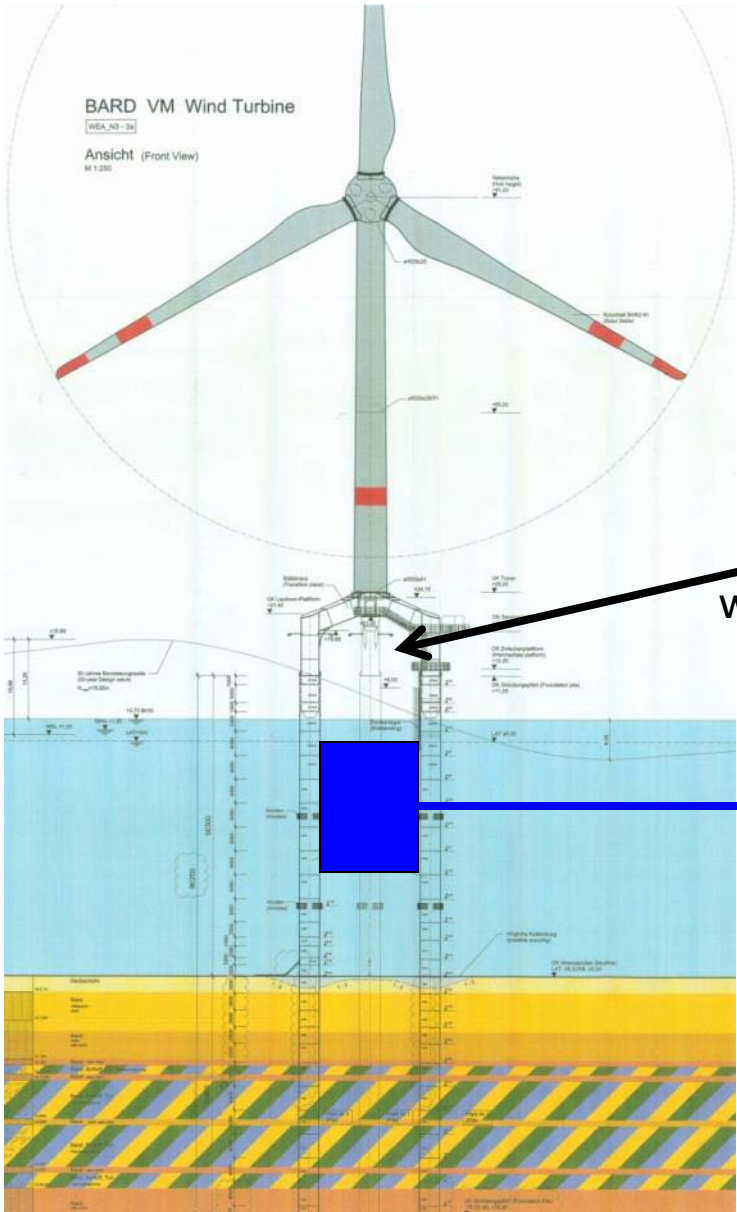
**Jacket**

**Beatrice Wind Farm Demonstration Project**

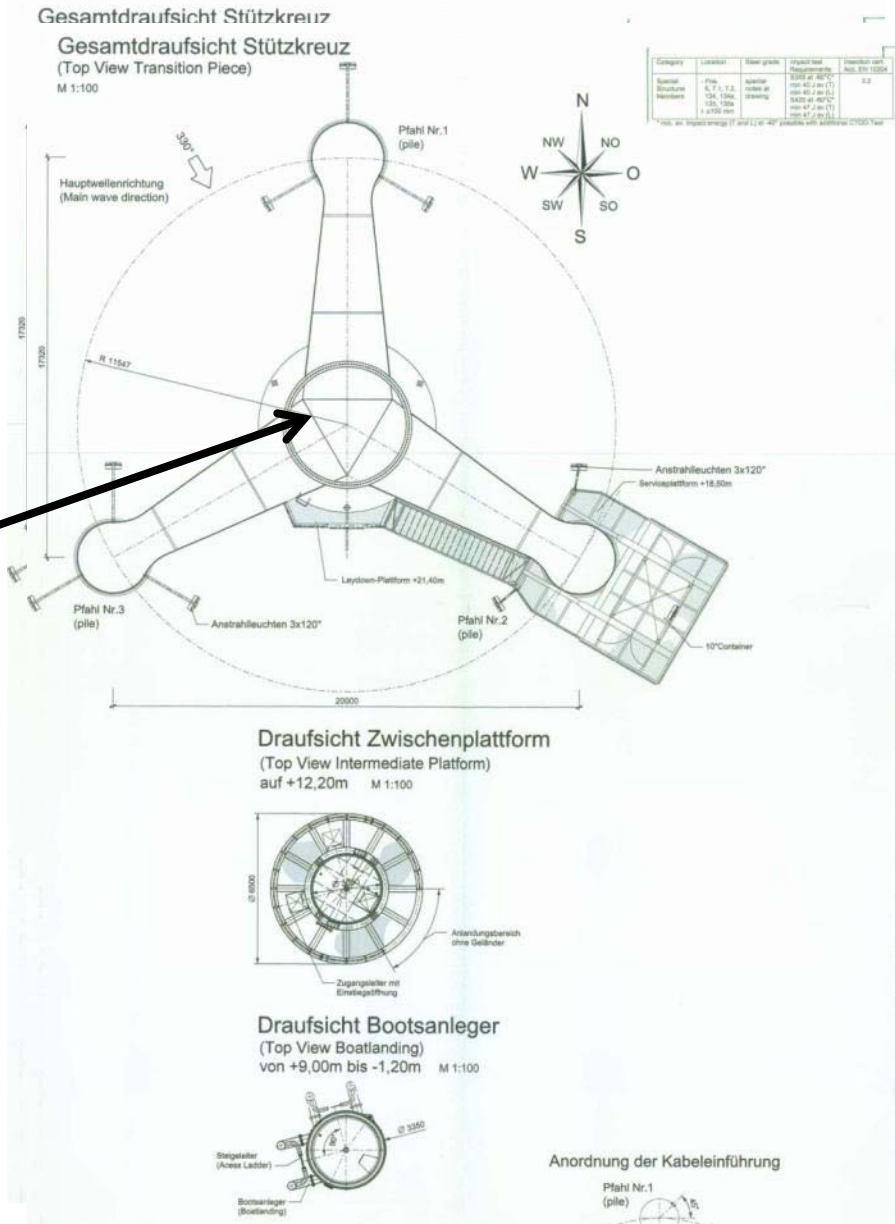
Mussel longlines off collar of turbine







manned work station



# Use of the Lease Areas

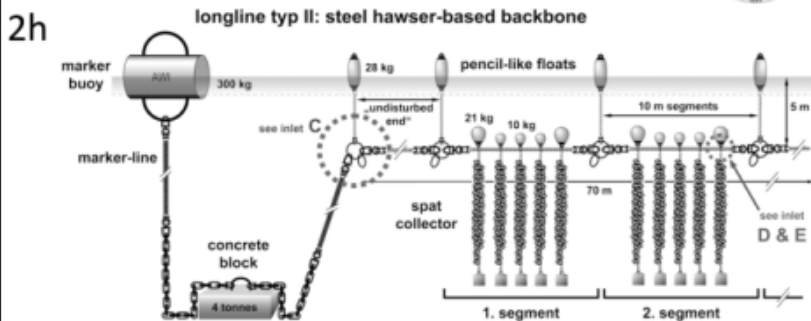
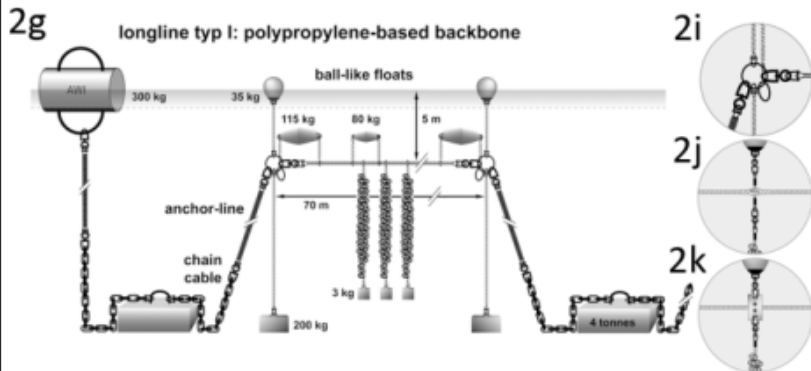
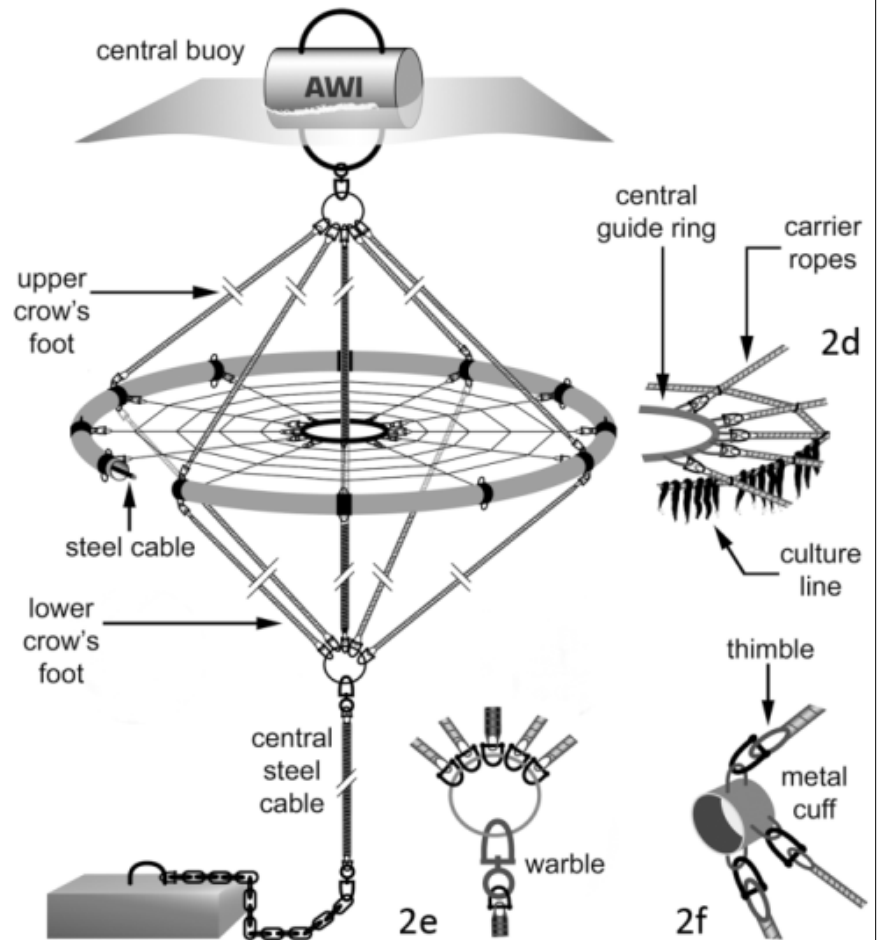
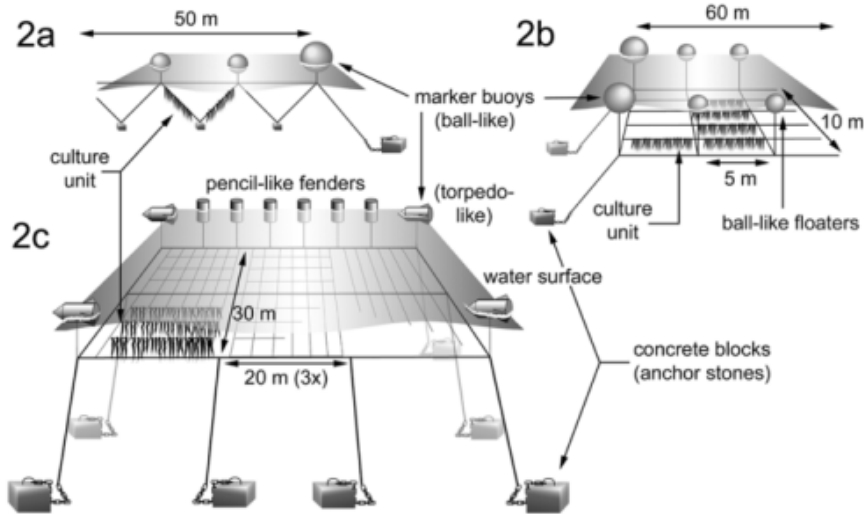
Submerged Shellfish Aquaculture off bottom



On bottom

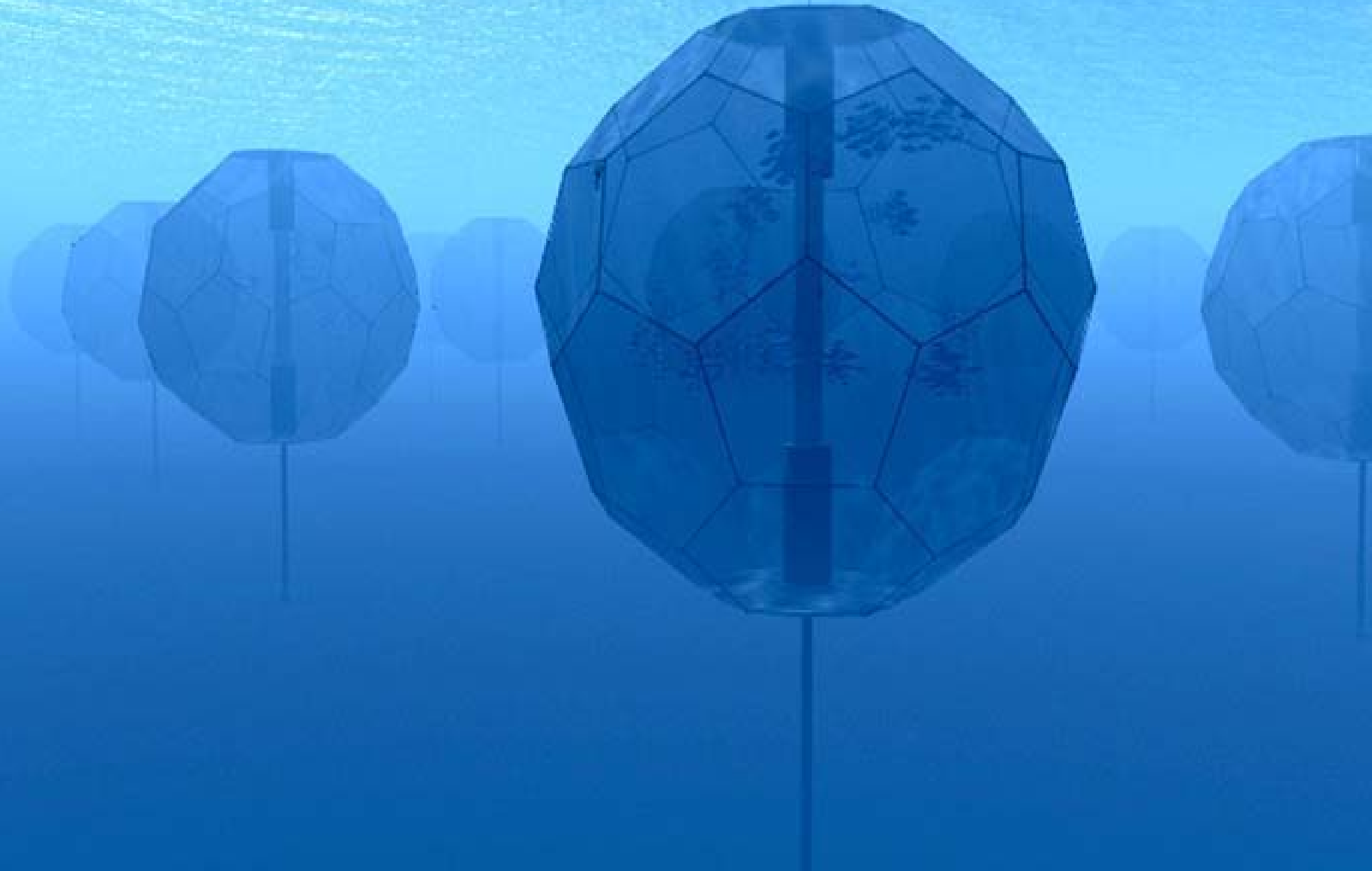


**Submerged  
Seaweed Aquaculture**

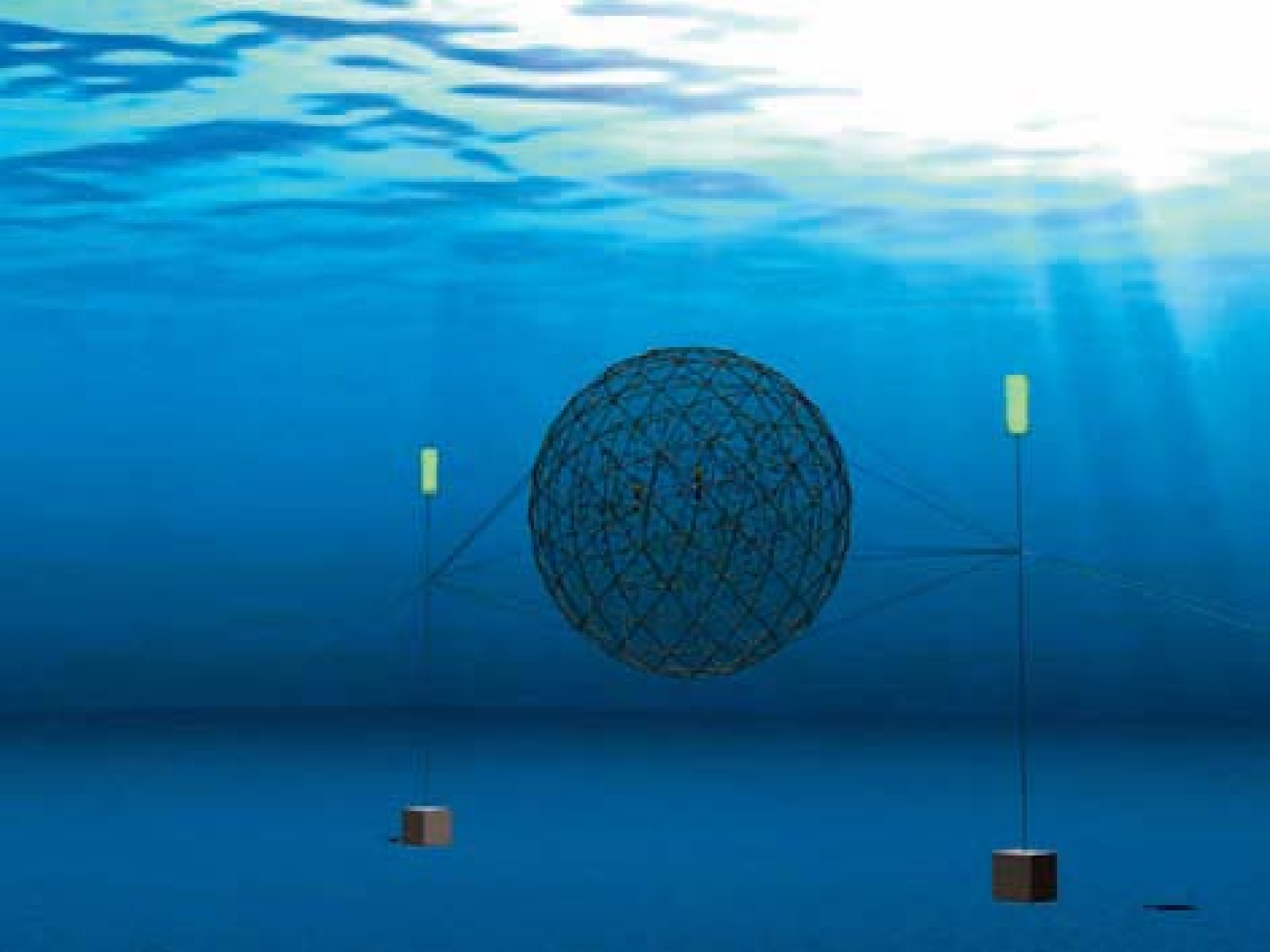


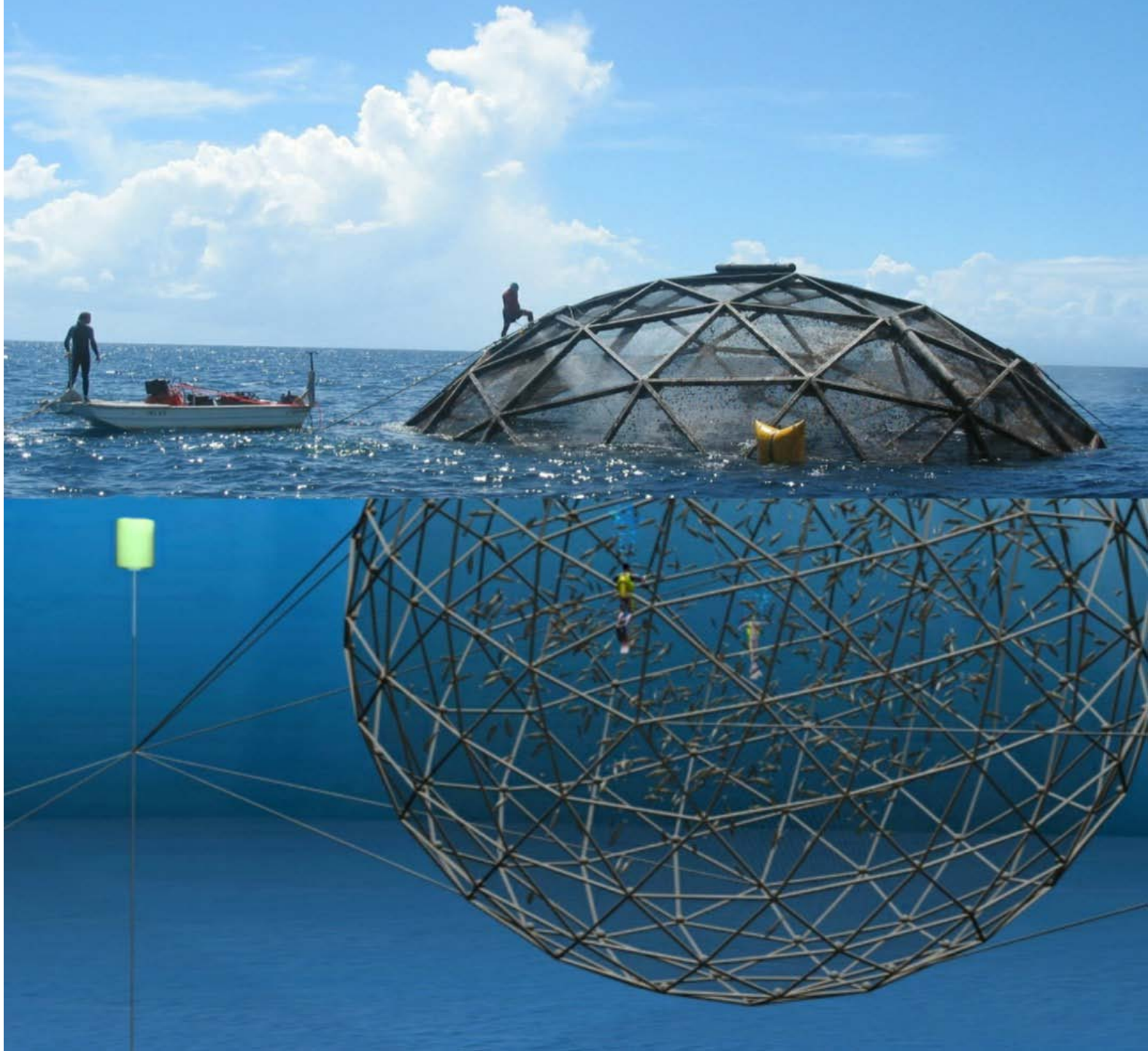


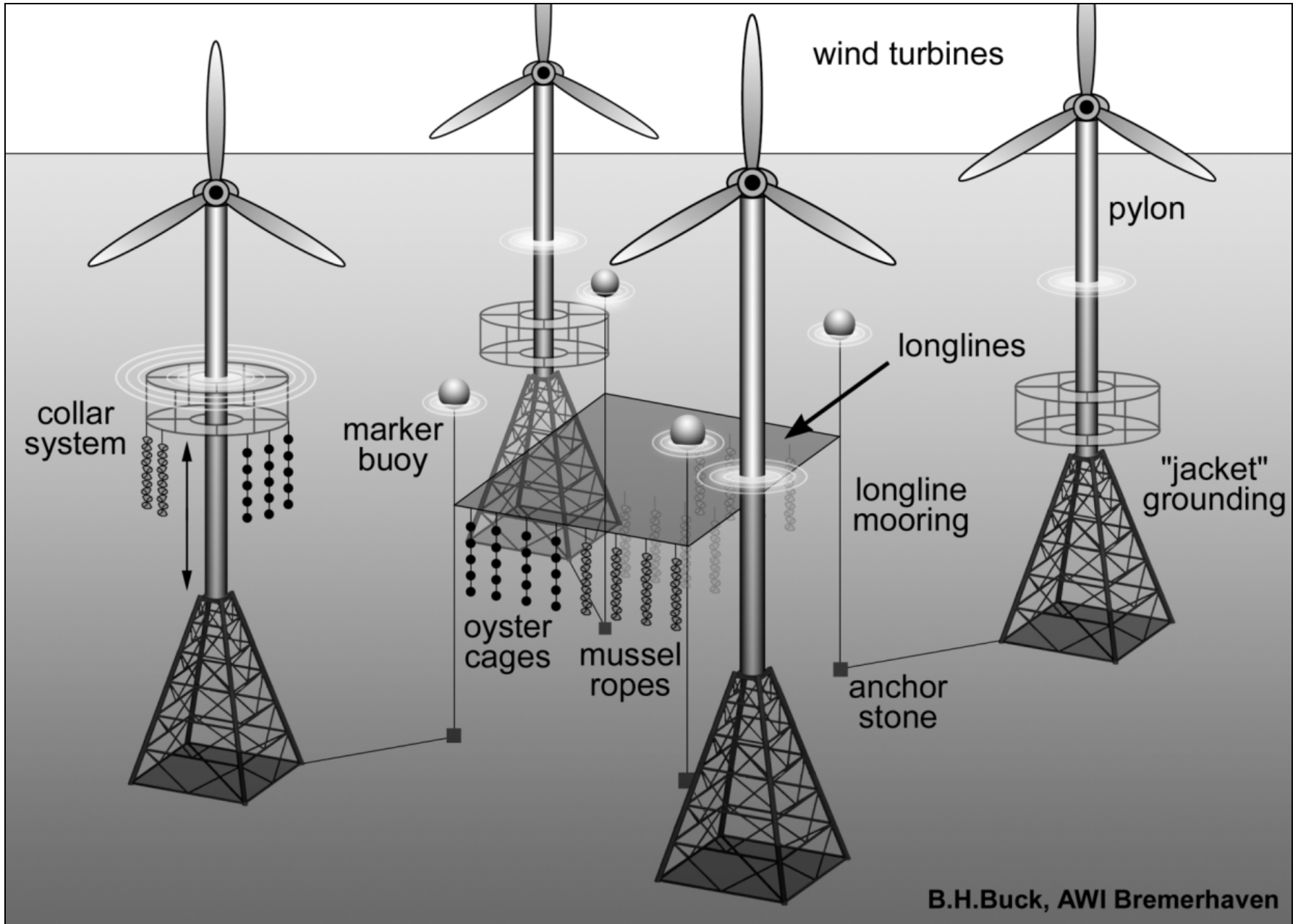
# Submerged Finfish Aquaculture in Lease Areas











# Expansion of Ecotourism



# Neptune Reef, An Underwater Cemetery



**Research & Development Site  
IOOS  
Marine Technologies  
Aquaculture  
Marine Bioactive Products**

