

BOLSTERS MARINE ECOSYSTEMS

Sea Life Enhancement

Marine life flourishes and is more resilient around marine electrodeposition.

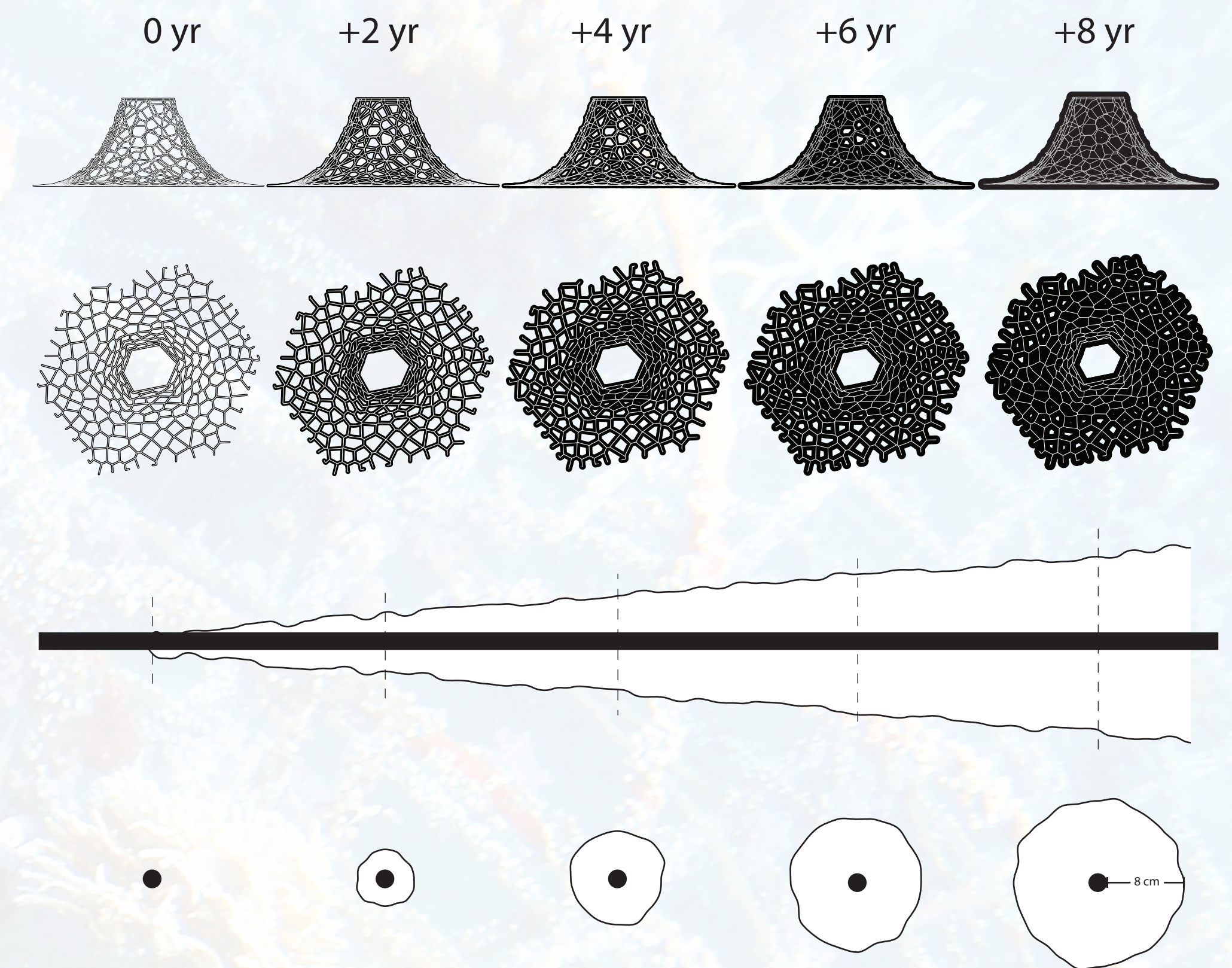
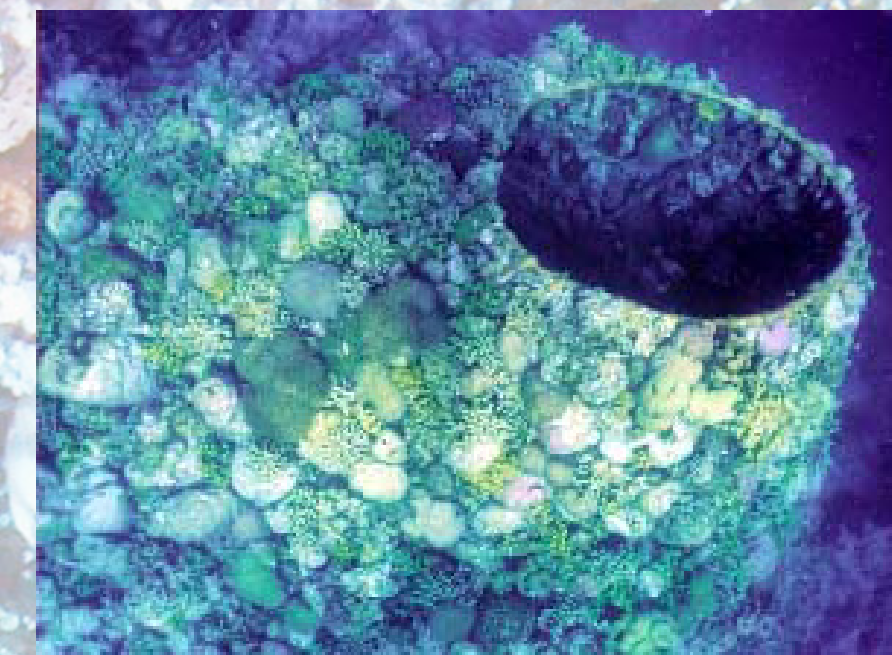
Coral has been shown to grow 2-6 time faster

The process produces oxygen gas that dissolves in sea water helping to combat the suffocation effects of eutrophication.

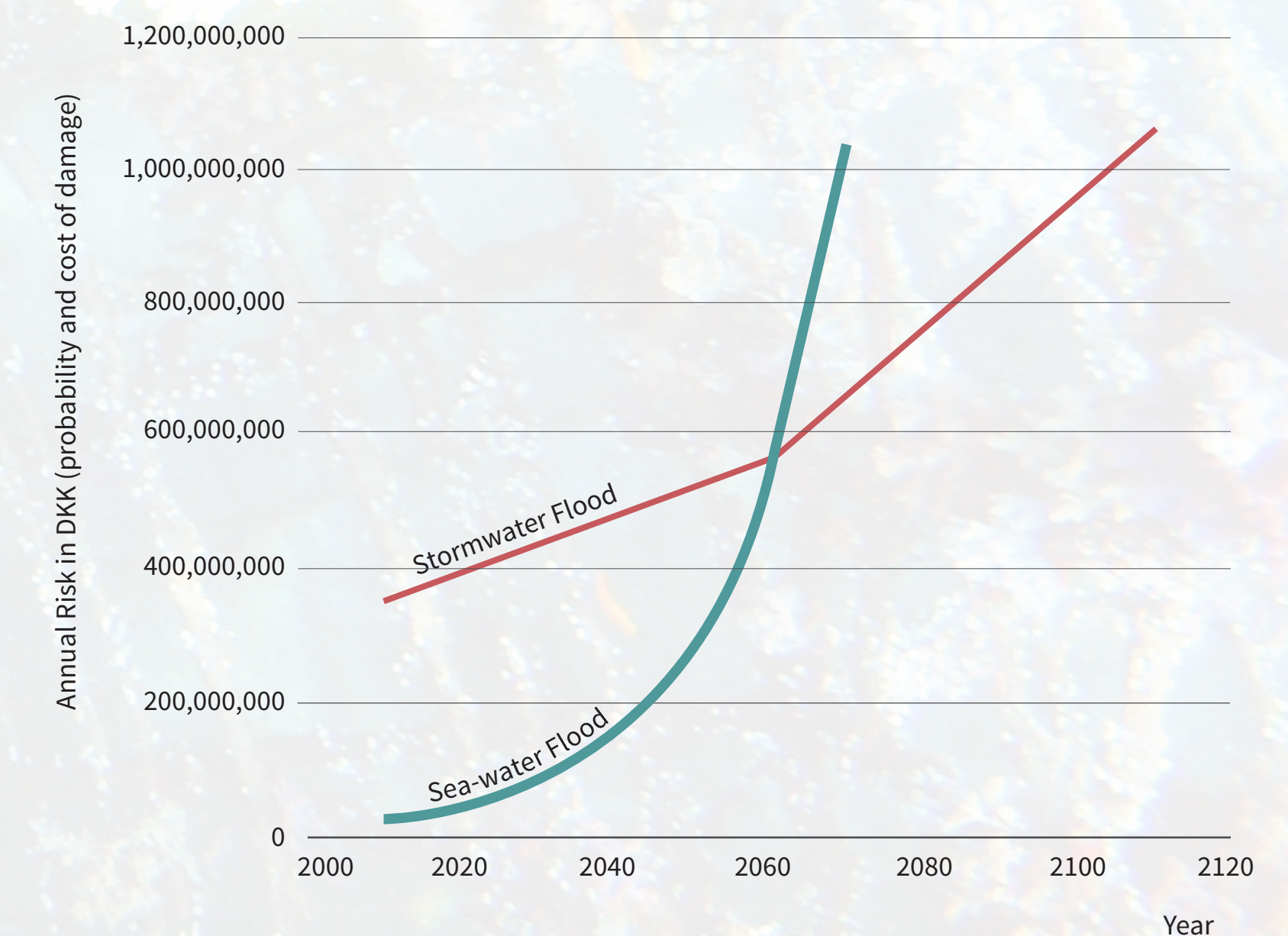
Provides places of refuge and protection for marine life

Purify the Water

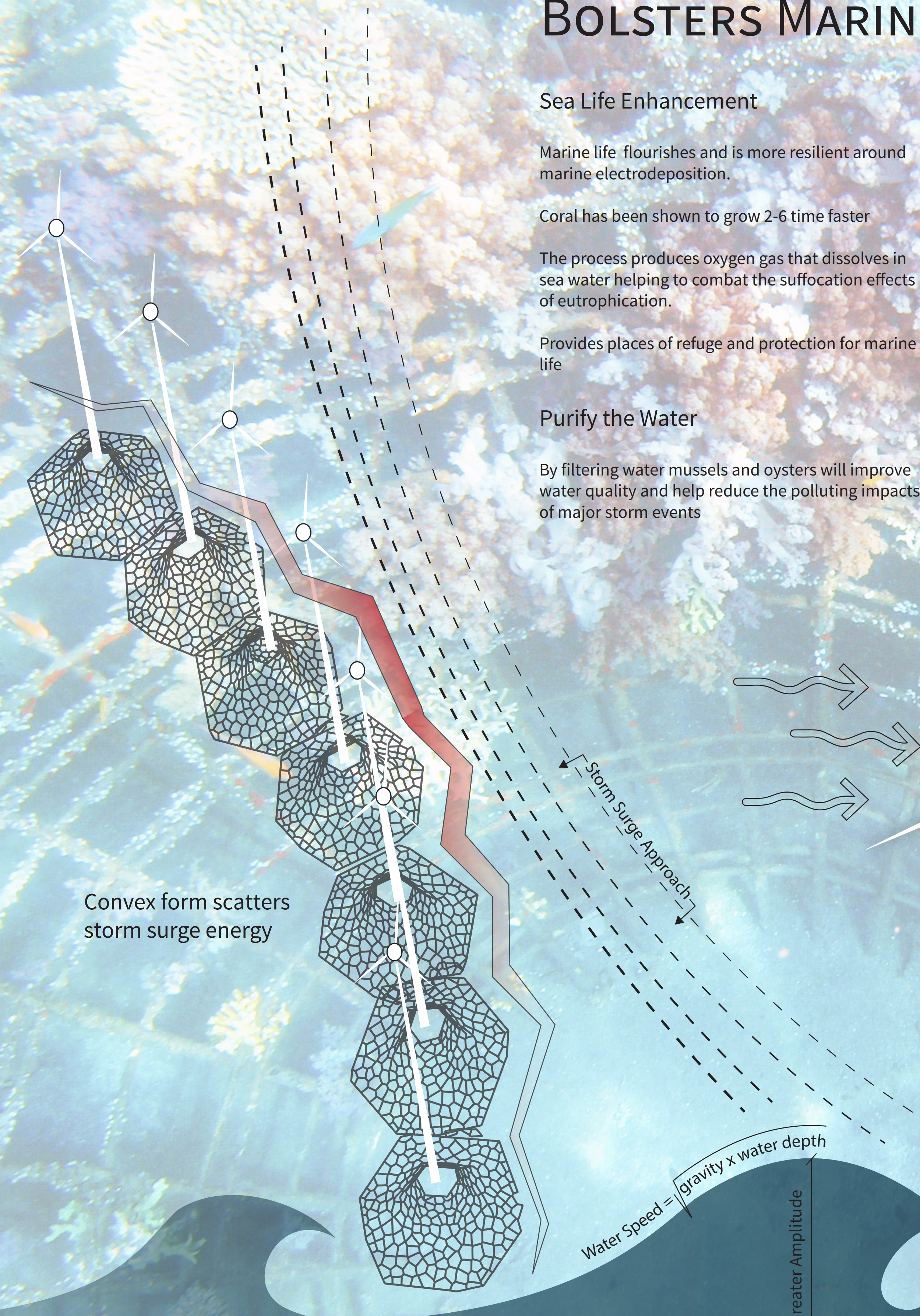
By filtering water mussels and oysters will improve water quality and help reduce the polluting impacts of major storm events



Over time, the lattice form-work begins to solidify, growing at a rate of 1-2 cm per year. In the event of damage, concrete will form more rapidly around exposed areas of metal. As long as the current continues to flow, rust will not form on the sub structure.



Predictions show that threats from sea water rise will surpass storm water floods in 2060, giving the wind reefs ample time to solidify



Wind Turbines disrupt the wind lessening the strength of storms as they approach the coast

70-90% of destructive wave energy can be dissipated

STORM SURGE MITIGATION

Water Speed = $\sqrt{\text{gravity} \times \text{water depth}}$

Greater Water Depth = Greater Amplitude

Decreased

Slows Water

Self Repairing