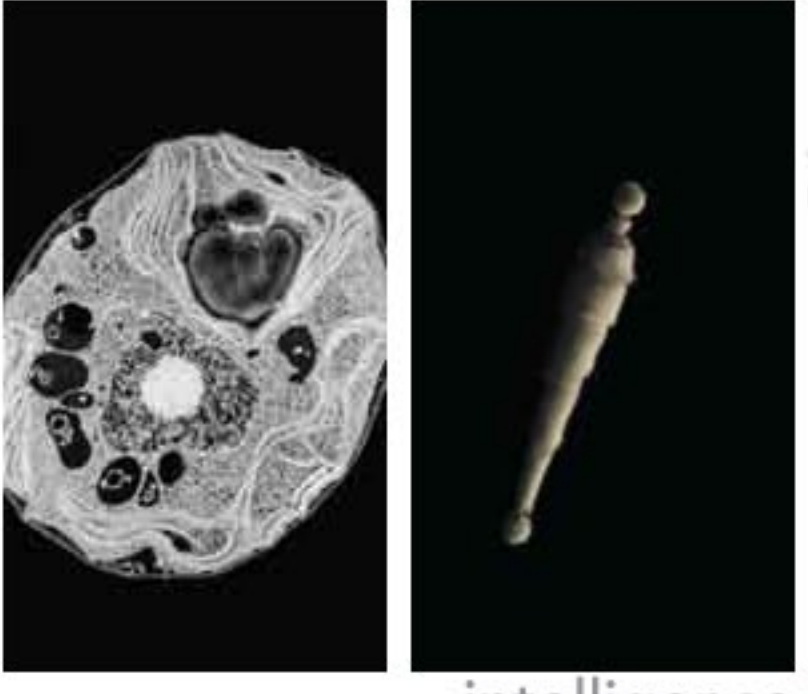
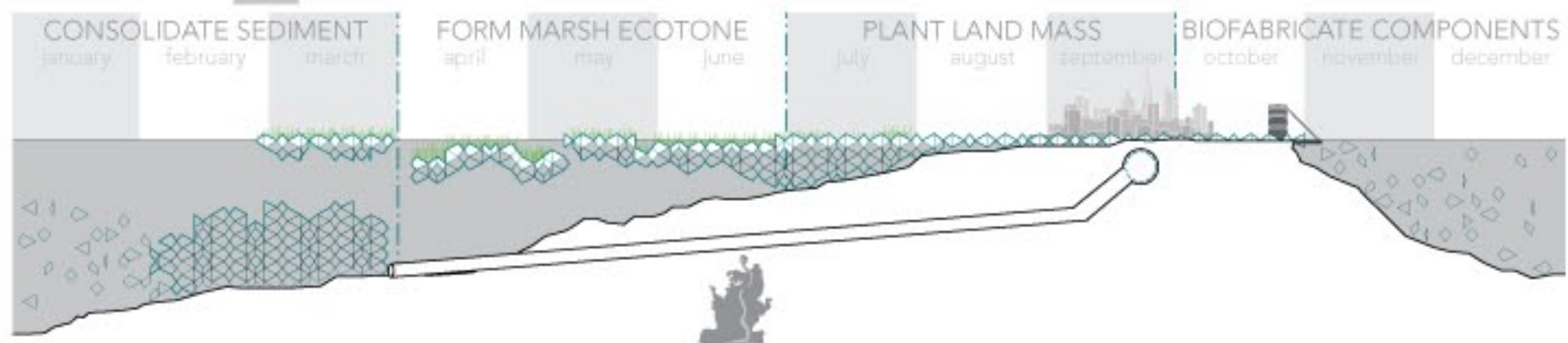


quorum scape

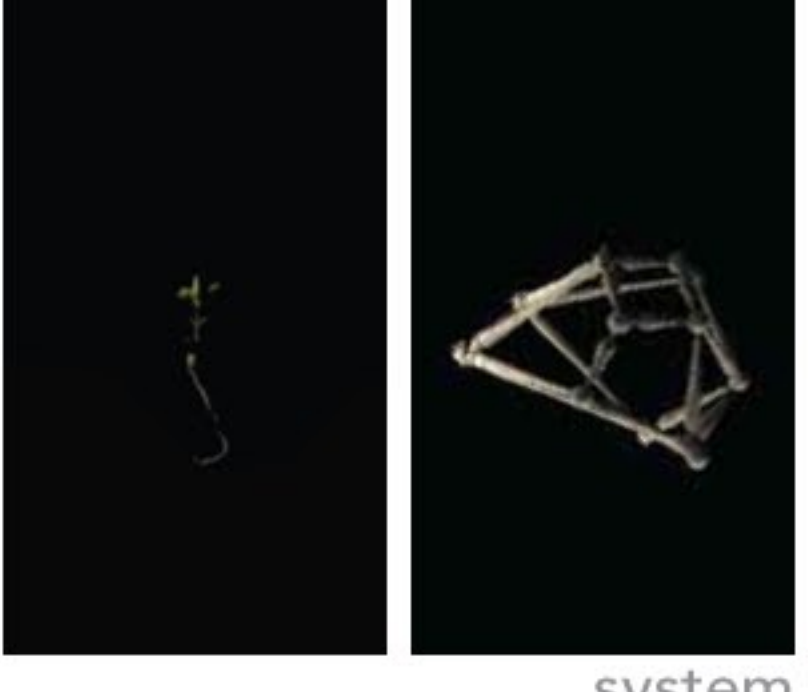
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code



intelligence



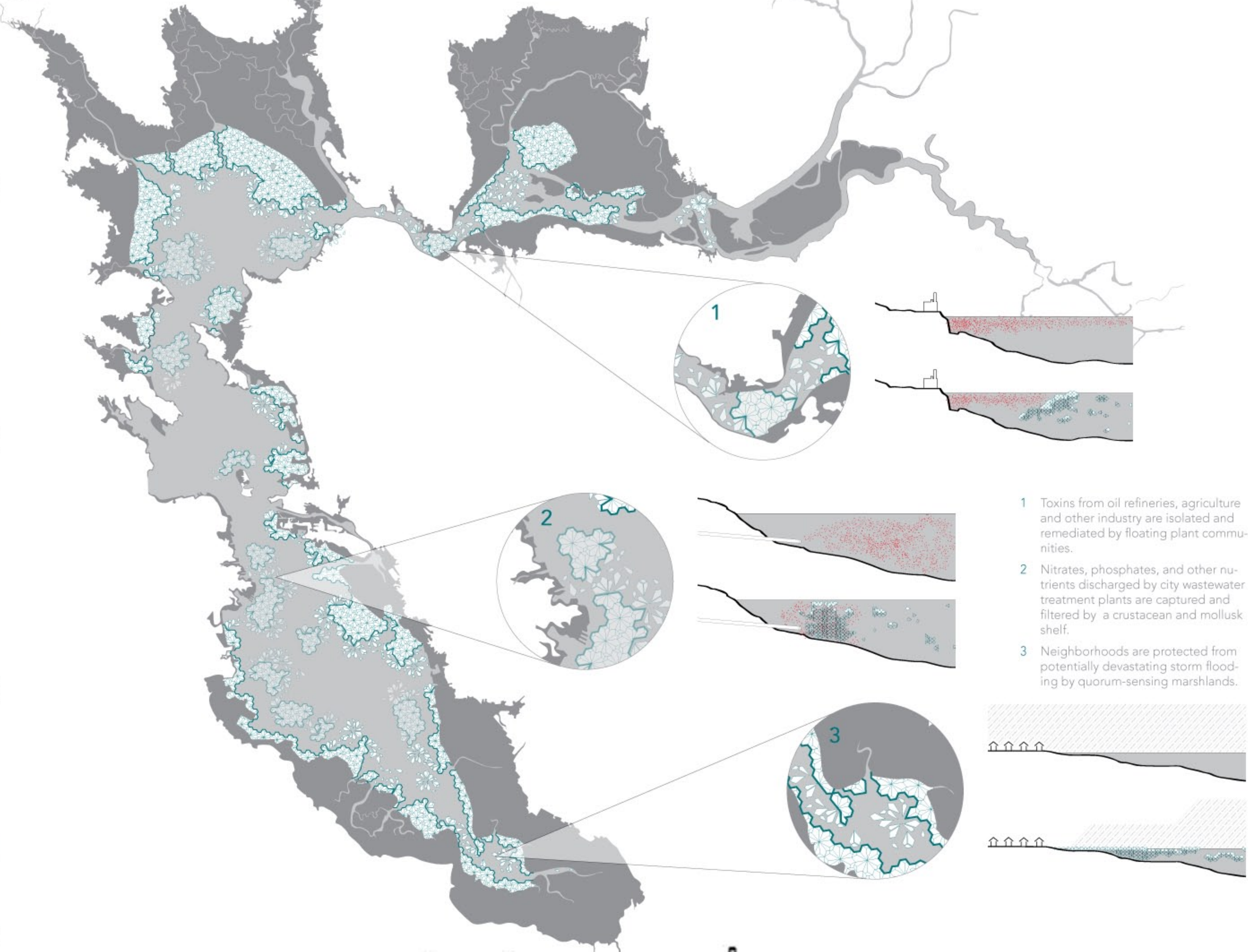
system



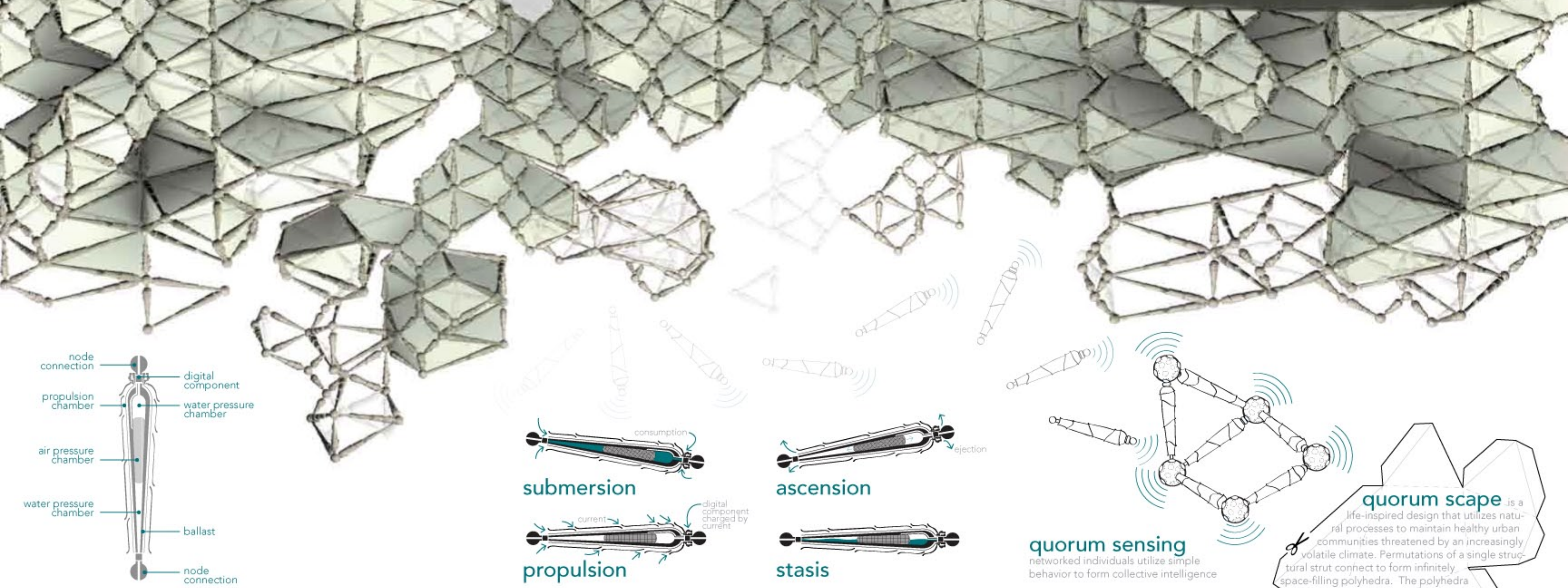
community



habitat



- 1 Toxins from oil refineries, agriculture and other industry are isolated and remediated by floating plant communities.
- 2 Nitrates, phosphates, and other nutrients discharged by city wastewater treatment plants are captured and filtered by a crustacean and mollusk shelf.
- 3 Neighborhoods are protected from potentially devastating storm flooding by quorum-sensing marshlands.



quorum scape is a life-inspired design that utilizes natural processes to maintain healthy urban communities threatened by an increasingly volatile climate. Permutations of a single structural strut connect to form infinitely space-filling polyhedra. The polyhedra scaffolds are deployed in the bay to create environments where natural processes and urban infrastructure work collaboratively. Struts are not individually controlled, but utilize digital quorum sensing - simple individual behavior that is networked to coordinate actions as a community, analogous to the decision-making process within ant mounds, bioluminescent bacteria, and beehives. QuorumScape's life-inspired infrastructure protects both natural and urban systems facing the challenges that rapid climate change impose.

