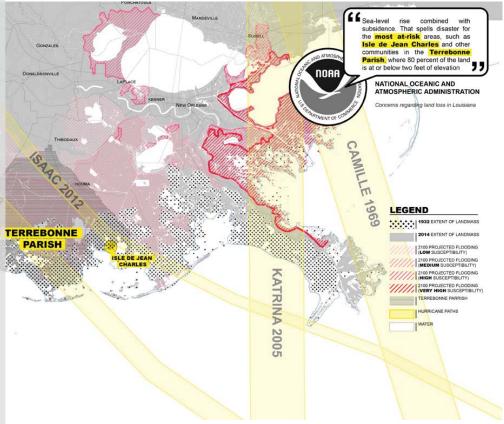
FLOATING HOPE PRESERVING AN INDIGENOUS COMMUNITY

Holcim Awards for Sustainable Construction Elizabeth English, Steven Chodoriwsky, Karan Manchanda, Jaliya Fonseka, Mark Tam, Amal Dirie, Kevin Park

The native American Biloxi-Chitimacha-Choctaw Band of Isle de Jean Charles, Lousiana, is rapidly losing their low-lying traditional homeland as sea level rises and land subsides due to extensive sub-surface oil and gas extraction. Cultural ties to the land and lack of resources to relocate as a community leave the remaining band members vulnerable to an ever-growing risk of flooding. By implementing cost-effective, flexible amphibious retrofits to the community, a safe, affordable, continued living space could be secured for the at-risk member of Isle de Jean Charles.

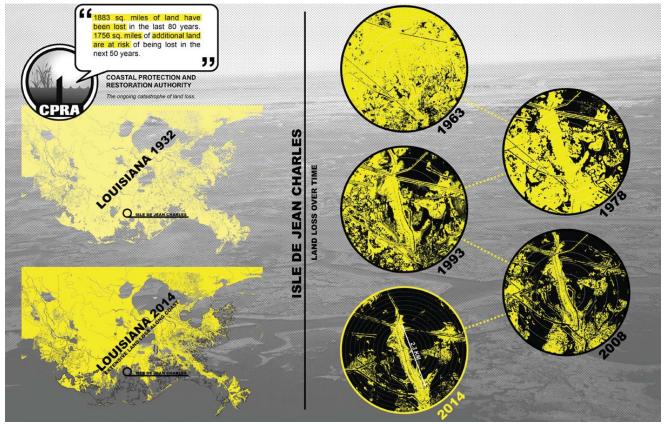
Nineteen of the band's twenty-six residences remaining on the island are already elevated; our solution targets the remaining seven low-lying structures. We propose retrofitting these homes with amphibious foundations to allow them to float safely when flooding occurs. The island is inadequately protected by its ring levee and is positioned outside of an authorized new levee alignment. This combination of factors threatens to overwhelm the island, its houses, and its remaining inhabitants.

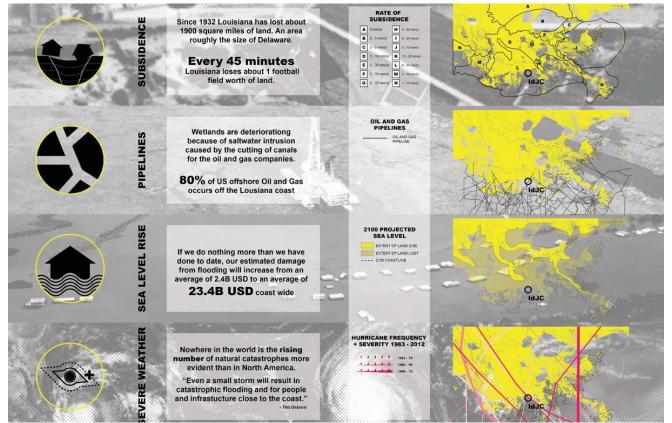






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