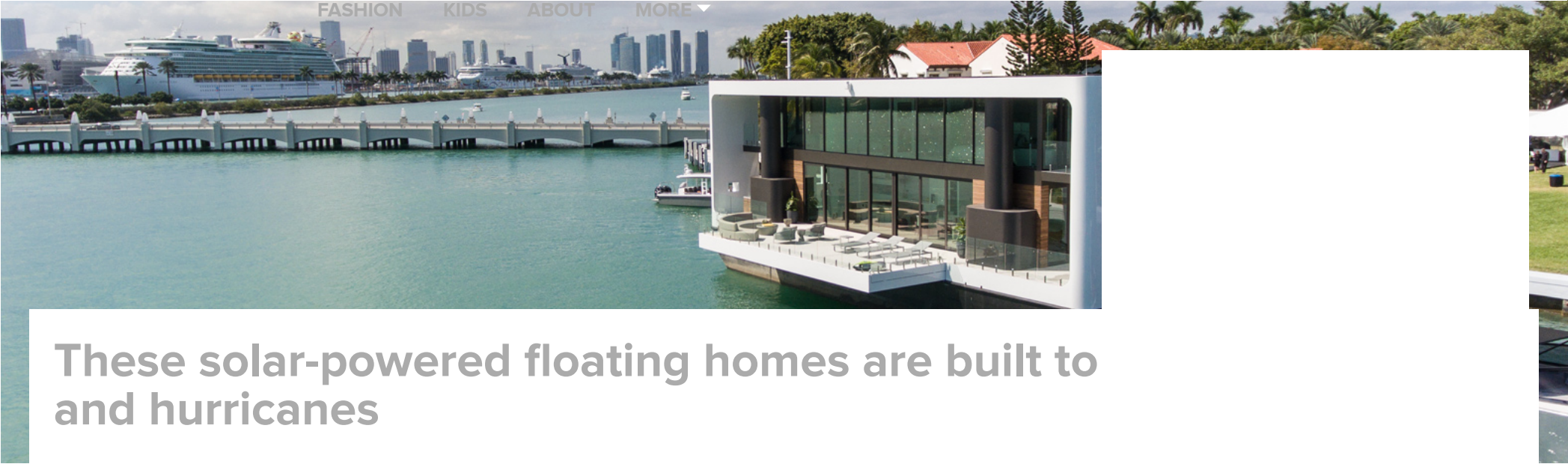




These solar-powered floating homes are built to and hurricanes

04/01/2019 under [Architecture](#), [energy efficiency](#), [Resilient Design](#), [Solar Power](#), [Sustainable Design](#) 0

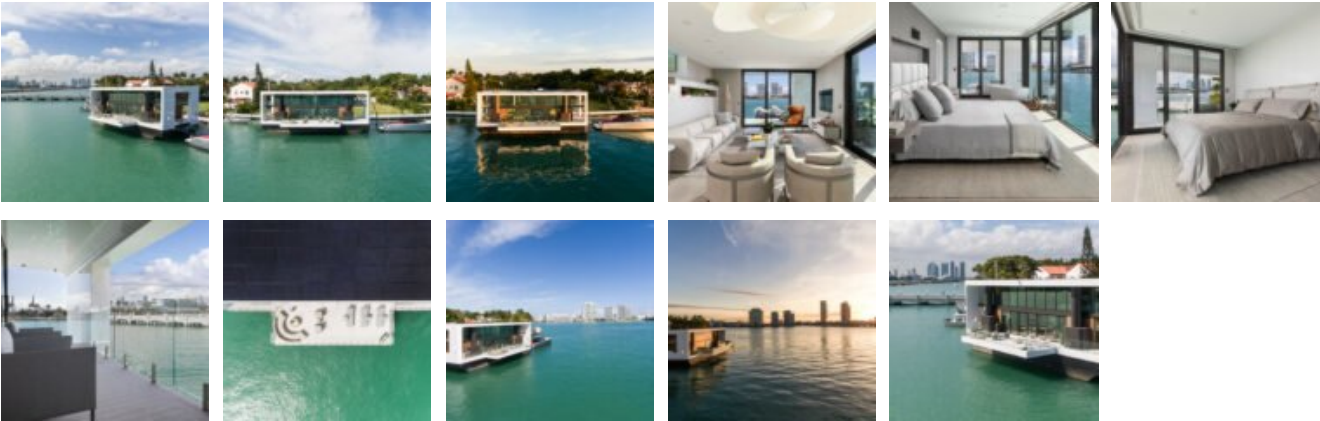
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by Nicole Jewell

VIEW SLIDESHOW

As many coastal cities struggle to come up with resiliency plans in the face of rising sea levels, Dutch architect **Koen Olthuis with Waterstudio** is creating sustainable, solar-powered floating residences that could offer the perfect solution. Already well-known for its high-end **floating homes**, Waterstudio and Miami-based **Arkup** are now teaming up with **Artefacto**, an environmentally friendly Brazilian furnishing brand, to create stylish floating houses that are not only resilient to storms and sea levels, but also represent the luxury style for which Miami is known.



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Waterstudio has long been recognized for creating sustainable and attractive floating homes that can provide discerning homeowners with an “avant-garde life on water.” The residences are modern, cube-like structures that are completely self-sufficient, operating 100 percent **off-grid** thanks to **solar power** generation, eco-friendly waste management features, rainwater harvesting and water purification systems. Additionally, the homes are equipped with unique self-elevating systems that help the structures withstand high winds, floods and hurricanes.

Related: [These hurricane-proof floating homes are packed with green features](#)



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In addition to the ultra sustainable and resilient features, the two-story floating homes boast interiors with a 775-square-foot living room, bedroom, kitchen and dining space, as well as an open-air rooftop lounge. Sliding glass doors, which almost make up the entirety of the front facade, lead out to a beautiful terrace.



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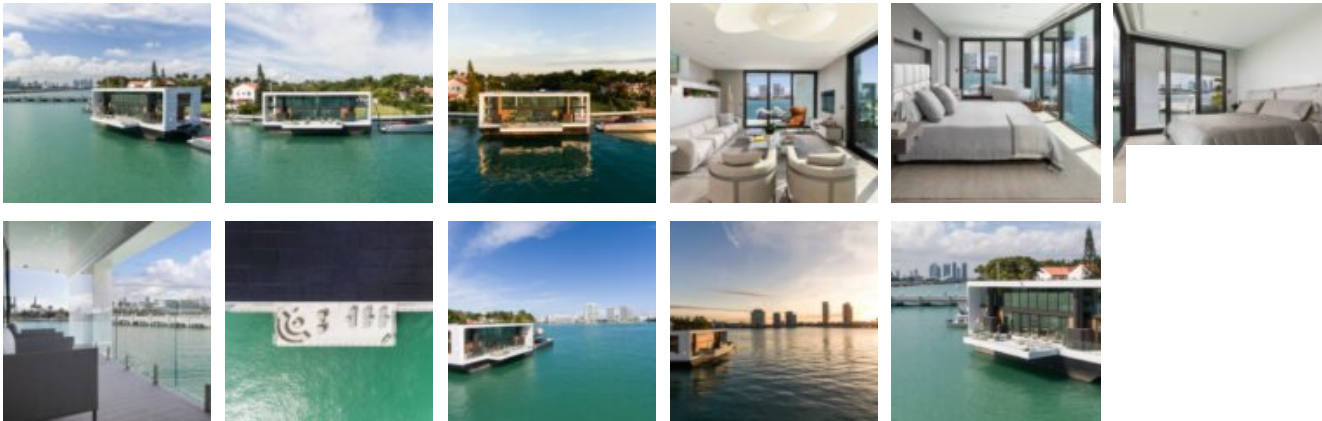
Although the company has been working on its floating homes for some time, it recently announced a new partnership with Artefacto, a Brazilian furnishing company with a strong commitment to **sustainability** that is known for combining luxurious furniture made of raw materials with cutting-edge smart automation technologies. The floating residences will now be outfitted with eco-friendly furnishings, including high-end pieces made out of timber approved for use by the Brazilian Environment Department.

+ **Waterstudio**

+ **Arkup**

+ **Artefacto**

Images via Arkup



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