

Makoko Floating School

case study
By Larissa Sattler

Location: Lagos, Nigeria



Architect: NLE Architects

Owner: N/A

Year of completion: 2012

Climate: Tropical Savannah Climate

Material of interest: Plastic and plastic drums

Application: Exterior and Structure

Properties of material: 256 plastic drums were used to float the base of the school in the water and provide structural support to the spaces above. This design serves as a case study towards the functionality of materials, but unfortunately due to heavy rains that structure collapsed leaving the plastic roof and barrels intact leaving the remaining supports broken.

Sources:

Architect Website: <http://www.nleworks.com/>

<http://www.nleworks.com/case/makoko-floating-school/>

<https://www.archdaily.com/890330/a-deep-dive-into-the-sad-story-of-the-makoko-floating-school>

<https://www.sciencedirect.com/science/article/pii/S1877343515000159>