

PLAS-BRICK: BUILDING SUSTAINABLE, MOVABLE INFRASTRUCTURE

Providing emergency infrastructure for people with a touch of sustainability, Plas-brick is the answer. It is an engineered mixture of plastic waste especially nylon and cement to make movable and detachable structures. These structures designed in parts are light, easy to assemble and transportable from one IDP concentration camp to another. Insurgency and flooding in most cases are spatio-temporal issues therefore any intervention should be movable. The flooding incident that took place across Rivers, Delta, Bayelsa and some parts of Edo states gave me a clear picture of this idea.

Plas-brick as a solution looks at the depth of plastic pollution all around us with little or no recycling actions. For instance, plastic bottles are currently being recycled but actions have not been taken to recycle nylon which holds more heat in the soil leading to nutrients being held trapped without reaching the plant roots, makes the soil hard to till, reduces infiltration and leads to the death of plants that cannot access nutrients and water. Plas-brick is a highly sustainable solution bridging climate action and entrepreneurship.