Prefabricated Housing Products

TECHNICAL DATASHEET

Factory-produced housing from the hybrid aircrete + Boxabl-style line: UHPC panel kits and turnkey foldable units, engineered for Rift Valley seismic conditions, powered entirely by the park energy fleet, and built with 90%+ Kenyan local content.

PROCESS SPECIFICATIONS

Annual capacity	10,000 units/yr
Panel kit	12 - 15 UHPC panels per 90 m2 unit
Turnkey unit	50 m2 foldable - site-set in days
Unit cost	USD 45,000 - 55,000 turnkey
Local content	90%+ Kenyan

EQUIPMENT CLASSES

Panel line	Aircrete + UHPC hybrid production
Foldable unit line	Boxabl-style turnkey builds
Seismic detailing	Prestressed UHPC connections
In-house power	100% geothermal + solar thermal

MATERIALS

UHPC panels	Walls, floors, roof cassettes
Structural steel	Frames and connections
Fit-out packages	Installed at the factory