ENGINEERED WOOD HOUSING:

A POTENTIAL SOLUTION FOR AFFORDABLE HOUSING CRISIS IN NIGERIA

Abiodun Solanke - International Fellow from Nigeria
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<tr>
<th>Description</th>
<th>Nigeria</th>
<th>Oregon</th>
<th>Total</th>
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<td>Name</td>
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<td>Derived its name from River Niger</td>
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<td>Most populous black nation in Africa</td>
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<td>Largest producer of crude oil in Africa and 13th in the world</td>
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<td>Nigeria is mono-economic Crude Oil country</td>
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<td>&gt; 500 Ethnic groups and &gt; 250 languages</td>
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<td>50% Muslims, 45% Christians, and 5% others</td>
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**Legend:**
- Orange: Lagos Mainland
- Green: Festac Town
- Green: Surulere
- Green: Ajegunle
- Green: Apapa
- Green: Lagos Island
- Green: Victoria Island
- Blue: Lagos Lagoon
- Blue: Lagos Harbour
- Blue: Snake Island

**City of Lagos**

- Lagos Mainland
- Festac Town
- Surulere
- Ajegunle
- Apapa
- Lagos Island
- Victoria Island
- Lagos Lagoon
- Snake Island
- Lagos Harbour

**Map of Lagos City**

- Lagos Mainland
- Festac Town
- Surulere
- Ajegunle
- Apapa
- Lagos Island
- Victoria Island
- Lagos Lagoon
- Snake Island
- Lagos Harbour

**Images:**
- Lagos cityscape
- Lagos main road
- Lagos airport
- Lagos traffic

**Notable Features:**
- Lagos is the economic capital of Nigeria.
- Lagos is one of the most populous cities in Africa.
- Lagos is a major urban area with a diverse economy.
- Lagos is a hub for commerce and industry.
- Lagos has a rich cultural heritage.
- Lagos is a gateway to West Africa.
- Lagos is a major tourist destination.
- Lagos has a high population density.
- Lagos has a high rate of urbanization.

**Additional Information:**
- Lagos is the most populous city in Nigeria.
- Lagos is the economic hub of Nigeria.
- Lagos is the commercial capital of Nigeria.
- Lagos is the cultural capital of Nigeria.
Over 70 percent of the population lives in slums characterized by extremely high densities, poor housing conditions and little or no access to basic infrastructures like electricity, water or sanitation!
Research Objectives

To gain first hand experience and best practices in cultivating, harvesting and post – harvest processing of Bamboo and Engineered Wood
Strategy / Methodology
Findings

Strategic Partnerships Of Individuals, Organizations, Corporate Bodies In Social Ventures Geared Towards Affordable Housing

HERE IS THE GAME CHANGER!

FOR A 3-BED DUPLEX'
5,000 bdft of Log = 10,000 bdft of Lumber i.e. 1/4 of an acre in 40 yrs.

FOR SAME 3-BED DUPLEX'
With appropriate technology i.e. 1/4 of an acre in 6 yrs.

ENGINEERED BAMBOO IS THE FUTURE OF AFFORDABLE MASS HOUSING PROVISION
GOING FORWARD!

an unparalleled point of entry into the most groundbreaking restorative projects in the world. Project teams pursuing the Living Building Challenge - the built environment’s most ambitious performance standard.

LITEHaus ARCHITECTURE + SO-DEVELOPMENTS

Organic Architecture practice embracing Nature’s uniqueness in creating solutions based on the special conditions, local materials and ecology surrounding each project.

ORGANIC + SUSTAINABLE PRACTICES AND MOVEMENTS
RAISING AWARENESS FOR THE NEED TO UP THE LIVING BUILDING EXPERIENCE
Acknowledgements
I have seen the light beyond the shores… I represent that which I have seen – ILLUMINATION - of the endless possibilities of affordable housing. (Abi 2016)

THANK YOU