



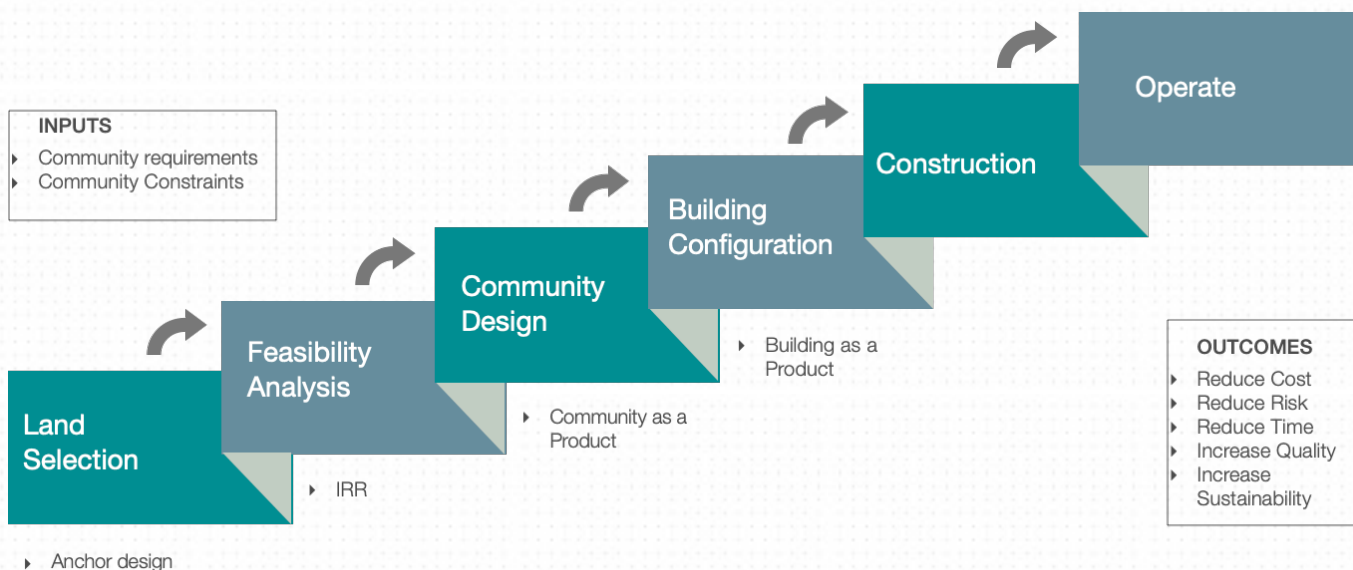
Re-Imagine

AFFORDABLE, SUSTAINABLE HOUSING AND VILLAGE ECONOMIES FOR AFRICA

Co-creating Housing and Village Economies together with the community

- ▶ We embrace local people and local businesses as equal partners and co-creators
- ▶ Engagement with the local community for their needs and wishes
- ▶ Creation of local jobs, local businesses (micro franchising), Co-operatives, e-Health, energy production, water management, waste management, disaster management, community security, etc.
- ▶ Data-driven decision-making drives greater efficiencies in the land selection and feasibility phases but also all along the design, build, operation phases of buildings and communities
- ▶ Generative design provides many options for diverse housing and communities - adapts to changes over time
- ▶ Clear Outcome: reduced RISK ,COST, TIME – Increased QUALITY, SUSTAINABILITY, TRANSPARENCY

iLima Sustainable Village economy development framework



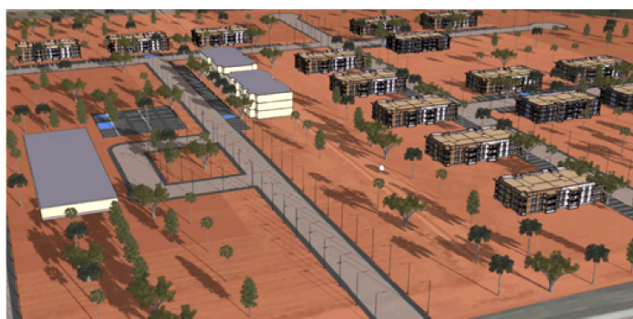
Moving from “Building Design” to “Building Configuration”, from unpredictable pricing to predictable pricing, from guessing to data-driven decisions all along the building lifecycle

- ▶ Reduced RISK , COST, TIME – Increased QUALITY, SUSTAINABILITY, TRANSPARENCY
- ▶ Increased affordability and reduced dependence on financing
- ▶ Solutions to reduce operating costs
- ▶ Multiple exterior options to choose from
- ▶ Multiple construction technologies to choose from
- ▶ Homes are upgradable
- ▶ Real-time changes & iterations
- ▶ Automated production of submittal set
- ▶ Visualization – 3D Walkthroughs
- ▶ Constant learning – Constant improvement
- ▶ Industrial construction (DFMA) ready

iLima Products and Technology

Building as a Product (BaaP) / Community as a Product (CaaP)

A computational tool that analyzes a wide array of data to automatically create optimized buildings and neighborhood layouts. Key features include modularity, upgradability, multi-use and multi-manufacturing options. Making the house a home by providing facilities like lighting, portable water storage and multiple kitchen fuel options. CaaP addresses regulatory concerns, street layouts, block orientations, real estate, weather, building height, and “quality of life” measures.



“COMMUNITY AS A PRODUCT” - ACIP USECASE

- ▶ Productized/Pre-configured buildings
- ▶ Dynamic configuration
- ▶ Cost/Permit/IRR details

ACIP – Africa Big Data Industrial Construction Platform

ACIP is a distributed architecture data storage and processing platform that manages the data (digital and physical) collected and disseminated for the end to end construction process. ACIP is an integrated family of databases and processing resources, configured as a hybrid platform to support both the transactional and the developmental activities.

ACIP collects as-built data as well as designed data in real-time to build the “Single Source of Truth” (SST). It uses this data to maintain a contextualized 3D model accessible for decision support to all stakeholders. The data is collected, transmitted and stored with efficient and secure methods. Confidence indicators are used in the SST to improve the quality of the model. The model is also used to navigate robotic and tele-operated platforms which continuously collect additional data while performing their programmed tasks. ACIP the “UBER platform for Construction” links the Producer Side (PS) and the User Side (US) through portals according to data type generated and transactions performed.

*A home for anyone and everyone
in a home*



<https://www.ilimafoundary.com/>