

Shopping Mall



"Modular" is a construction method that involves constructing sections away from the building site, then delivering them to the intended site. ...Modular buildings, also called prefabricated homes or precision built homes, are built to equal or higher standards as on-site stick-built homes. The Modular House consists of a roof, foundation, columns and wall panels using the modular concept and technology. Every part is normal and we can assemble them easily. The house can be combined like building blocks to make it have different shapes. Modular homes are more eco-friendly than traditional building materials such as bricks and cement. Although prefabricated, each design is different and custom. Our pre-designed models are starting points, then they're totally customized. They're not one size fits all; no two are the same.

Container House



Single or combine
20ft or 40ft Containers



Container

Glass Curtain



We are experts in the construction of modular homes. We design and build Estates, Corporate Offices, Factories, Schools, Event Centres, Barracks, Laboratories, Warehouses, Kiosks, Hostels, etc



Rock wool sandwich panel



For Modular Home, speed also can add up to savings, with prices potentially 15 percent less than site built homes. Modular construction can also save 30 to 50 percent of the time needed to build a new home, typically two to three months less than conventional construction. That means potential savings in interest paid on construction loans. There's also half the waste of a typical home build, which means savings in materials and disposal costs. Cost overruns are virtually unheard of in the modular industry. As mentioned above, climate controlled factories ensure there are no weather related construction delays. In addition, there are no cost overruns from "no-show subs" (as may often be the case with a site built home).



Green House



Green House



Green House





PwC's report goes on to predict that sustainability will "become entrenched in building design and occupier requirements" in Africa, where it is especially crucial.

The continent's urbanization coincides with a global reorientation in the construction industry that makes environmentally conscious planning foundational to projects. The World Green Building Trends report predicted 60% of new commercial developments in 2015 would be "green." Even in developed nations with significant waste management infrastructure, construction and demolition continue to create significant environmental problems. In the UK, the industry sends 36 million tons of waste to landfills per year. While some African nations have aggressively undertaken waste management initiatives, weak capabilities in many regions make rapid development a dangerous prospect. It's not just the environment at risk, but urban residents' health and safety. Until disposal and recycling networks can shoulder the burden of traditional construction, prefabrication can be used to reduce waste by up to 90%. Modular building creates recyclable structures that result in much less ruined, excess and disordered materials.



Villa House



Prefabricated construction could aid in reducing Africa's current shortage of housing brought about by rapid urbanisation and ever increasing demand. **WORDS BY ELIJAH WHALEY.** Experts expect roughly 860 million people to migrate to cities between 2010 and 2050 in Africa, bringing both remarkable economic growth and the problems that come with it. However, developers and consumers from the world's largest continent get some unexpected benefits by being late-comers to mass urbanization. While seeing how other places faced social and environmental challenges, developers have access to new technologies that evolved considerably over the last few decades. Africa's urbanization has the potential to be more profitable and sustainable than Western or Asian building booms.

Fence & Rail





Green House

Building Infrastructure Efficiently

Modular building allows people to complete projects in a matter of months. Like all industries, there's a broad range of quality—a manufacturer's experience and a consumer's price range are important factors. However, in-factory construction means structures are more likely to follow requested specifications and have a significantly lower risk of errors than traditional construction. "Developers [in response to rising real estate costs] will become more innovative about how they design and build commercial real estate, seeking to use space more efficiently," stated PwC's 2016 report, *Real Estate: Building the Future of Africa*. "Construction techniques, such as prefabricated buildings & 3D printing, offer potential for fast, cheap and eco-friendly development." These benefits are especially notable in light of Africa's building sector skills gap. South Africa, despite its well-developed real estate industry and vocational training system, is estimated to be short 50,000 skilled construction workers — a relatively small figure. The problem is more severe in other countries, where a lack of trained builders makes development expensive, time-consuming, and prone to miscalculations. While many governments, such as Nigeria's, have launched promising training initiatives, developers should consider modular building as a way to avoid on-site faltering and complications. Prefab structures require a fraction of the time and labour to assemble as traditional buildings.

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