

REALL IS AN INNOVATOR AND INVESTOR IN CLIMATE-SMART AFFORDABLE HOUSING ACROSS AFRICA AND ASIA, BUILDING A HOME FOR HUMAN POTENTIAL THAT DOESN'T COST THE EARTH.

Reall are building a global network of pioneers, testing proof-of-concept housing, creating open source data and evidence, and sharing learning and experience across our partners. Reall de-risks private investment, building a portfolio of green affordable homes and brokering policy change to unlock housing markets at scale.

Green, resilient homes are at the nexus of climate change, affordability and inclusion - they are a critical opportunity to deliver on mitigation and resilience, whilst stimulating economic growth. Reall finds sustainable-housing ecosystem pioneers, and works with them to kick-start markets through innovation and investment in affordable housing and end-user finance in urban Africa and Asia, exclusively targeting people in the bottom 40% of the income pyramid - where the need is greatest and the housing deficit is most acute.

Reall invests in and partners with climate-smart thought leaders through funding, technical advice and dedicated research, developing revolutionary approaches to sustainable affordable housing in the areas most vulnerable to climate-related impact.

These are the game-changers, creating solutions to humanity's most pressing challenges.

REALL PARTNER PROFILE:



Right now, our reliance on conventional mineral-based construction materials is leading us towards catastrophe. **BuildX have a powerful, low carbon solution.**

Homes are constructed using reinforced precast concrete panel technology, greatly reducing **water and embodied energy impacts**, compared to standard techniques. The panelled design, from Reall's partner **Kwangu Kwako Limited**, allows window and door frames to be made off-site, both reducing waste and on-site labour.

BuildX's Zima Homes project is pioneering passive design measures for thermal comfort and illumination, green rooftop and landscaping to improve air quality, and installation of 24 solar hot water heaters of award-winning, innovative design from SolarisKit. **The homes have been awarded preliminary EDGE Advanced certification.**

Together, Reall, BuildX and our partners have an ambitious plan to build **10,000 homes by 2030**, delivering **environmentally friendly standardised homes to people living on low incomes at scale**, using a design which maximises recycling and reuse, and minimises waste and emissions.

“WHAT IS THE BEST SUSTAINABLE MATERIAL FOR AFFORDABLE HOUSING?”

*The answer totally depends on the context - global embodied carbon is very local, and so it's very difficult to assess what materials are truly sustainable... At **BuildX** we've developed **our own embodied carbon calculator** for an accurate assessment in each local environment.”*

James Mitchell, BuildX CEO



EAST AFRICA OFFERS A DYNAMIC CONTEXT FOR SUSTAINABLE BUILDING THAT CHAMPIONS COLLABORATION AND INNOVATION IN A RAPIDLY GROWING CONSTRUCTION INDUSTRY.

Reall—Buildx Zima Project

- **First investment from Reall in progress, funding the pilot Zima Homes G+4 apartments of 143 units in Ndenderu**
- **21m² studio apartments to two-bed apartments of 42m²**
- **Build cost \$12,250 to \$25,000; Sales price \$14,500 to \$30,320**

DESIGN-BUILD

Buildx uses the efficient and collaborative design-build construction technique, leading the way in the region with a dynamic approach to building, which allows for collaboration and innovation at every stage of the project - all underpinned by EDGE, a global certification system created by the International Finance Corporation, helping construction professionals to deliver greener buildings.

This 'end-to-end' approach has enabled Buildx to deliver an impressive number of projects across several countries in both Africa and Asia in just four years, all meeting their underlying climate and affordability goals.

Every project is founded on Buildx's vision for human-centred housing, prioritising the environment, functionality and local resources.

Empowerment and Inclusion

Prioritising labour for women, Buildx operates closely with sister company Buildher, empowering women by training them with accredited construction skills and promoting greater gender equality in the construction industry. Engaging unemployed young people, especially women, in the communities where we're building, we can create new jobs and address the skills gap in service of a better world.

Affordability, Accessibility and Sustainability

Buildx is developing relationships with local savings and credit co-operatives, and leveraging end-user finance mechanisms to create sustainable housing for people on low incomes.

EDGE-Equipped and Future-Proofed

The EDGE certification is a critical part of how Buildx design their projects, using the EDGE tool to calculate energy-efficiency in every aspect of construction.



Reall and Buildx—building beyond one solution

Reall's partner network provides the opportunity to share solutions like Buildx's engineering design across the sector, driving wider market change, and unlocking climate-smart infrastructure assets at scale, catalysing investment by demonstrating the commercial viability of low-carbon affordable homes.

Working with pioneering partners like Buildx, Reall's climate-smart, affordable homes strategy is a low-carbon, high-resilience solution to the climate crisis, the housing gap, and economic prosperity.



AWARDS

Recognised for a powerful and pioneering contribution
 One of Asoko Insights' 2019 'Companies to Inspire Africa'
 EDGE-certified staff members
 Shortlisted in the 2018 Swiss Architectural Awards
 CEO, James Mitchell: Spotlight Health Fellow at The Aspen Institute 2018;
 SOCAP Entrepreneur 2018

