

# 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.**

**" IF WE REALLY WANT TO MAKE A BIG IMPACT ON THE WORLD, WE HAVE TO THINK OF OURSELVES AS AT SCALE, AND NOT AT THE INDIVIDUAL LEVEL."**

Prasoon Kumar, Billion Bricks CEO

## REALL PARTNER PROFILE: billionBricks

Billion Bricks was founded on the basis that small thinking won't fix global problems.

They have developed a unique and innovative approach to delivering affordable, low-carbon, resilient housing at scale - **combining houses and clean energy in a single systemic solution: self-financing, net-positive homes.**

This pioneering combination creates the opportunity for people currently living in areas vulnerable to climate-related shocks to access **homes built to last** - within a community actively working towards a sustainable future.

### A revolutionary way to create affordable and sustainable living

Harnessing solar power and modular building design, each Billion Bricks housing development forms a **utility-scale solar rooftop farm**, which generates revenue through local and national energy sales, both to create **excellent quality housing at an affordable price for the low-income market**, and to invest back into Billion Bricks **to continue to develop sustainable housing with a global reach.**

Every Billion Bricks home is prefabricated, smart, modular, and built to withstand the harshest weather and earthquake conditions, with a life span of 60 years.



# NET-POSITIVE. SELF-FINANCING. SCALABLE.

## Benefits

- **Sustainable:** solar power sold to the grid means every home is net-positive
- **Affordable:** energy sales generate revenues providing minimum **20%** cashback on mortgages
- **Efficient:** reduces cost and waste by building homes in factories using robotic manufacturing
- **Fast:** homes can be quickly shipped and assembled, reducing costs and time by **20%** compared to conventionally built housing
- **Global:** Billion Bricks technology can operate in any context, for future application worldwide

## 20% CHEAPER. 20% FASTER. 100% CLEAN ENERGY.

The large solar roofing on Billion Bricks homes means each house has a peak energy capacity of about 10kw (about 20+ solar panels). In the Billion Bricks Philippines development, two-storey 45m<sup>2</sup> houses are for sale at \$15,000 each; the PPA providing solar-generated energy to the grid covers its own costs within 5-7 years, and continues generating surplus energy and funding for the community for a further 20 years.

Because the homes generate more power than they consume, this can offset the cost of the home or mortgage for residents. Combined with green finance offers available, this can result in a discount of between 20 and 60% on overall mortgage costs, making these net-positive energy, high-quality homes outstandingly affordable for families on low-incomes.

### Reall and Billion Bricks—building beyond one solution

Reall's partner network provides the opportunity to share solutions like Billion Bricks housing 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 Billion Bricks, Reall's climate-smart, affordable homes strategy is a low-carbon, high-resilience solution to the climate crisis, the housing gap, and economic prosperity.**