

FLAT-PACKED ECO HOUSING THAT PRODUCES A 50TH OF THE CARBON OF CONVENTIONAL CONSTRUCTION

ModulusTech are offering technical environmental solutions to the global housing crisis through their flat-packed prefabricated housing products. These can be constructed in a matter of days and operate off-grid with their own renewable energy and water purification systems.

LOCATION:
PAKISTAN



PARTNERSHIP ESTABLISHED:
2020

TARGET MARKET:
VULNERABLE AND MARGINALISED
PEOPLE

WHY WE PARTNERED

Reall found strong alignment with ModulusTech's innovative product, which offers excellent green credentials alongside significant affordability and extremely fast delivery.

ModulusTech's bespoke eco housing can be applied to single houses, double-storey new builds and refurbishment of existing structures. Their panel design allows housing units to be erected in a matter of days, meaning that homes are delivered in a fraction of the time and with a fraction of the carbon output compared to conventional construction. It is estimated that this technology saves 90% of carbon emissions per house over its lifetime, substantially surpassing the requirements of the EDGE certification.





BUILD & BROKER

BUILD: Reall are looking to fund pilot and demonstration projects using ModulusTech's innovative flat-packed eco homes.

BROKERING: This will demonstrate how to deliver low-cost homes with high environmental standards to the affordable housing sector. This aligns with Reall's own objectives for delivery in Pakistan, but also with Pakistani government housing targets.

TOGETHER WITH
OUR PARTNERS WE
ARE BUILDING AN
**AFFORDABLE HOMES
MOVEMENT** WHICH
WILL TRANSFORM
THE LIVES OF **100M
PEOPLE** IN URBAN
AFRICA AND ASIA BY
2030.

ACCOLADES AND ACCREDITATIONS

- Represented Pakistan at the G20 Global Solutions Summit in 2019
- Selected as one of 50 global Youth Solutions by the UN General Assembly for Social Business
- Won the Transformer Award from the Islamic Development Bank
- Global Cleantech Innovation award from UNIDO

DELIVERY

ModulusTech is a young organisation and was established in 2017. They have made impressive progress developing their business, and have sold around 30 units so far. Their designs and products have won various international awards and they are poised to take these to scale.

EMPOWERING LOW INCOME GROUPS

- The cost of a ModulusTech home starts at just \$3,000, which is affordable to people living on low incomes
- ModulusTech have always prioritised the needs of vulnerable and marginalised people in their objectives, and are seeking to apply this to affordable housing