

# Moladi - Innovations in Affordable housing

Siemens Stiftung. July, 11, 2012. Decent housing is one of the key factors in the fight against poverty and social exclusion. It is not just about putting a roof over someone's head. Academic research proves that access to a clean and stable home implicates an improvement in security, health and education.

Moladi, a South African based company, makes housing accessible to low-income people through innovative and eco-friendly technology. The Moladi system consists of a reusable and recyclable plastic formwork mould, which is filled with stoneless cement and a special chemical additive. This additive ensures that, once the mortar is set, the framework can be removed - and reused up to 50 times. According to the founder Hennie Botes, the brickless walls can withstand all types of weather. The formwork is lightweight allowing easy transportation. Due to the simplicity in design and the repetitive application scheme, construction costs can be reduced significantly. The Moladi model is not only cost-effective but fast, too: Botes comments that the wall structure of a house can be completed within one day. A further plus point, especially in remote areas, is that the construction does not require heavy machinery or electricity.

*Read more:* [Empowering People Award. Siemens Stiftung.org : Moladi](#)