

Modular Construction – housing the nations

Moladi

With the intended purpose of "housing the nations", Moladi embarked on an endeavour to develop a system to construct durable structures of quality in the shortest possible time. This system has developed into a construction technology that addresses four key challenges embodied in the low cost housing shortages facing developing countries namely: lack of resources, insufficient funds, shortage of skills, time constraints.

The Technology is a patented modular system, specifically designed to speed construction, improve quality, and lower the construction cost of residential housing. Moladi creates an affordable, steel-reinforced concrete structure that has the strength to withstand hurricanes and earthquakes, while providing thermal insulation and moisture resistance.

One of the benefits of this technology is that local labour is trained in the Moladi construction method, allowing the basic structure of a house to be built in one day. The technology has been successfully used in South Africa, Kenya and Botswana. The Moladi technology is promising because it provides for affordable housing and makes use of local unskilled labour, thereby increasing employment.

The "Moladi technology," originally developed in South Africa, uses on-site plastic molds to efficiently build residences, schools, warehouses and office buildings. Hennie Botes, Moladi inventor in South Africa, has won several prestigious awards for his innovative approach to building systems and has just recently exported the technology to Mexico. The Moladi technology will be used for the first time in Mexico to construct homes in Celaya, a growing industrial area north of Mexico City.