Established - 1986

WELCOME

moladi

AUHF 2014

THE NEXT FRONTIER IN AFFORDABLE HOUSING

ALTERNATIVE BUILDING TECHNOLOGIES

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HOME OWNER CRITERIA

- SOCIAL ACCEPTANCE
- AFFORDABILITY

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YESTERDAY’S TOOL...

“Our age of anxiety is, in great part, the result of trying to do today’s jobs with yesterday’s tools”.

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PROGRESS

OLD  NEW

3500 YEARS

ARTISAN

QUALITY

CASH FLOW
CONSTRUCTION CYCLE

- Erratic supplies = Erratic delivery
- Dependant on skilled labour
- Slow delivery
- Waste
- Rework
- Inconsistent quality
- Unpredictable cash flow
- Increased cost

YESTERDAY’S TOOL…

TODAY’S PROBLEM…

INNOVATION

"Don't find a fault, find a remedy."
Henry Ford
**FORMWORK ERECTED**

FOUR HOURS

**FILL**

RIVER SAND + CEMENT + WATER + CHEM

TWO HOURS

**FILL**

TWO HOURS

**STRIP & RE-ERECT**

TWO HOURS
ROOF

CEILING

COMPLETED

MORTAR – NOT CONCRETE

FIVE DAYS
CLASSROOM

ABLUTION BLOCK

SECURITY WALLING

FIRST HOME -1987
FIRST HOME - 2014

27 YEARS

FUTURE DEVELOPMENTS

BENEFITS

- Speed without compromising quality
- No need to plaster
- No need to chase
- No beam filling
- Waterproof
- Reinforced
- No waste
- Logistics
- Alterations and additions

INNOVATION

Holistic Construction Technology

OFFICES IN 21 COUNTRIES
STAIRCASE

LATICE BEAM SYSTEM

LOUVRE WINDOW SYSTEM

THE CHAMPION DRIVER

... needs a champion TEAM
**THE CHAMPION TEAM**
Sustainable Integrated Human Settlements

Teamwork - National-Provincial-Municipal
Land to Stand
Housing Specialist – Special Purpose Vehicle
Architects
Town Planners
Engineers
Project Managers
Contractors
Entrepreneurs
Training
Suppliers - Bulk
Finance
Project
End user
Alternative Energy
Green
Recycle

... needs a champion DRIVER

**ONE STOP HOUSING SHOP**

Due to the neglect of the poor and very poor over many decades, the real source of market promise is not the wealthy few in the developing world, or even the emerging middle-income consumers: It is the billions of aspiring poor who are joining the market economy for the first time.

**SOCIAL INNOVATION**

A definition of social innovation

"We contend that social innovation is the best construct for understanding and producing lasting social change. We redefine social innovation to mean: A novel solution to a social problem that is more effective, efficient, sustainable or just than existing solutions and for which the value created accrues primarily to society as a whole rather than private individuals."

Source: Philips, Deylemier, and Miller (2008)

**CONCLUSION – STATUS QUO**
SUPERFICIAL CHANGE

RADICAL CHANGE

CRITERIA
- SOCIAL ACCEPTANCE
- AFFORDABILITY
- EMPLOYMENT
Fight poverty, unemployment and crime through housing

Hennie Botes – www.moladi.net