

WELCOME



SHELTER AFRIQUE
Financing Affordable Housing for Africa

moladi
building communities



Established - 1986

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



INNOVATION

Transport

PROGRESS



OLD



NEW

INNOVATION

Construction

CONSTRUCTION

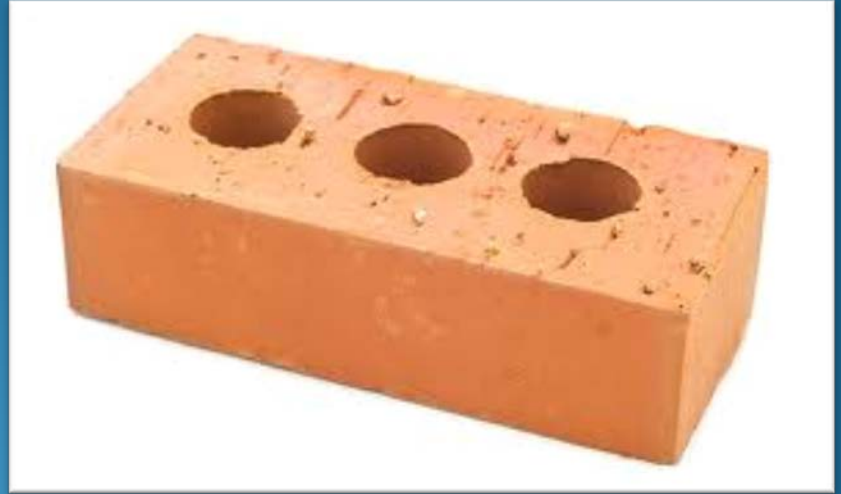


Thebes 1458 B.C.

PROGRESS



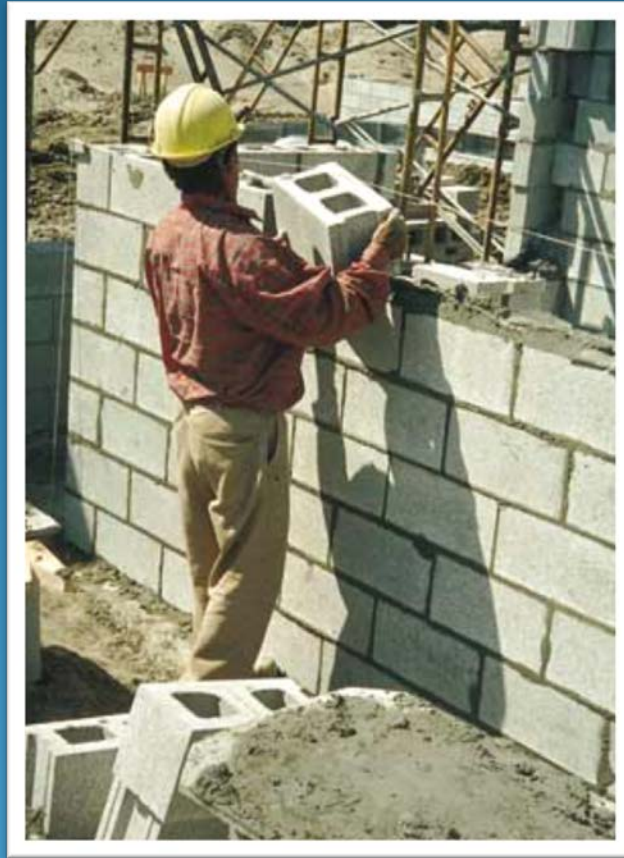
OLD



NEW

3500 years

ARTISAN



CONSTRUCTION CYCLE

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



YESTERDAY TOOL...



TODAY'S PROBLEM...

Census: 1 in 6 India city residents lives in slums...



INNOVATION

*“Don't find a fault, find a remedy.”
Henry Ford*



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DISRUPTIVE INNOVATION



RAFT FOUNDATION FORMER



RAFT FOUNDATION - COMPACT



RAFT FOUNDATION-TRENCHING



RAFT FOUNDATION-TRENCHING



RAFT FOUNDATION-REINFORCING



RAFT FOUNDATION-CONCRETE



RAFT FOUNDATION-LEVEL



POWER FLOAT SLAB



ERECT FORMWORK



ERECT FORMWORK



PLUMBING



PLUMBING



REINFORCING



REINFORCING



REINFORCING





ERECT FORMWORK



FORMWORK ERECTED



FORMWORK ERECTED



FOUR HOURS

FILL



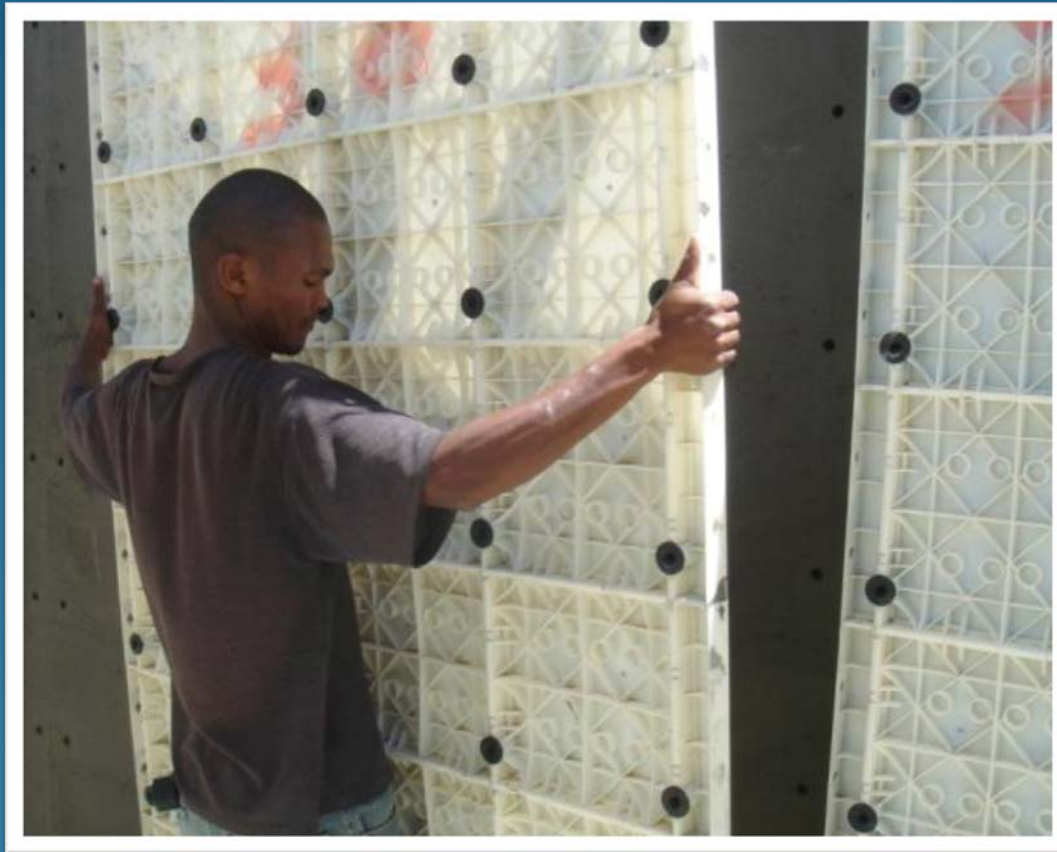
River Sand + Cement + Water + moladiCHEM

TWO HOURS

FILL



STRIP



TWO HOURS

STRIP



STRIP



STRIP



STRIP



ROOF TRUSS



ROOF TRUSS



ROOF TRUSS





moladi

ROOF



CEILING



COMPLETED



Five Days

moladi

MORTAR – NOT CONCRETE



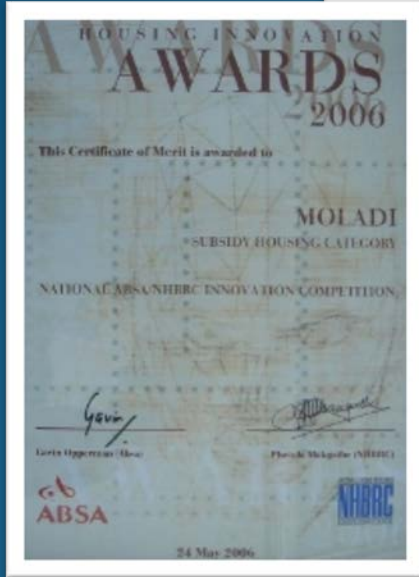
40 M²



40 M²



52 M²



moladi

60 M²



68 M²



75 M²



87 M²



FIRST HOME -1987



FIRST HOME - 2014



110 M²



Bonded by Standard Bank since 1993



120 M²



120 M²



SEMI DETACHED



SEMI DETACHED



WALK UP



DOUBLE STOREY



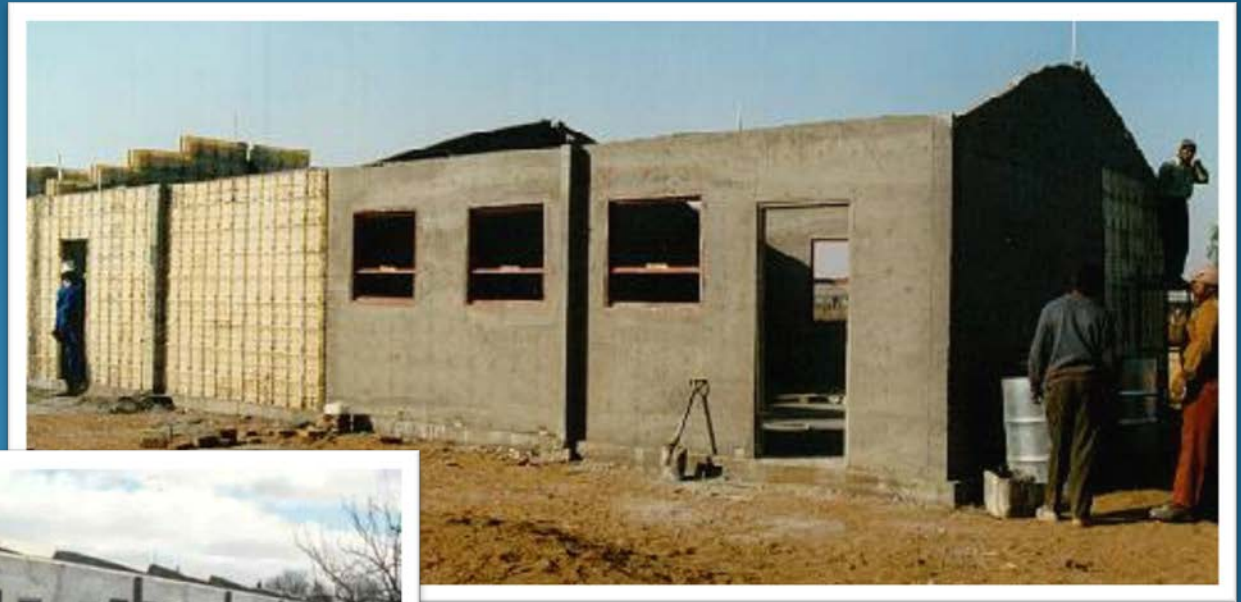
CLINIC



CLASSROOM



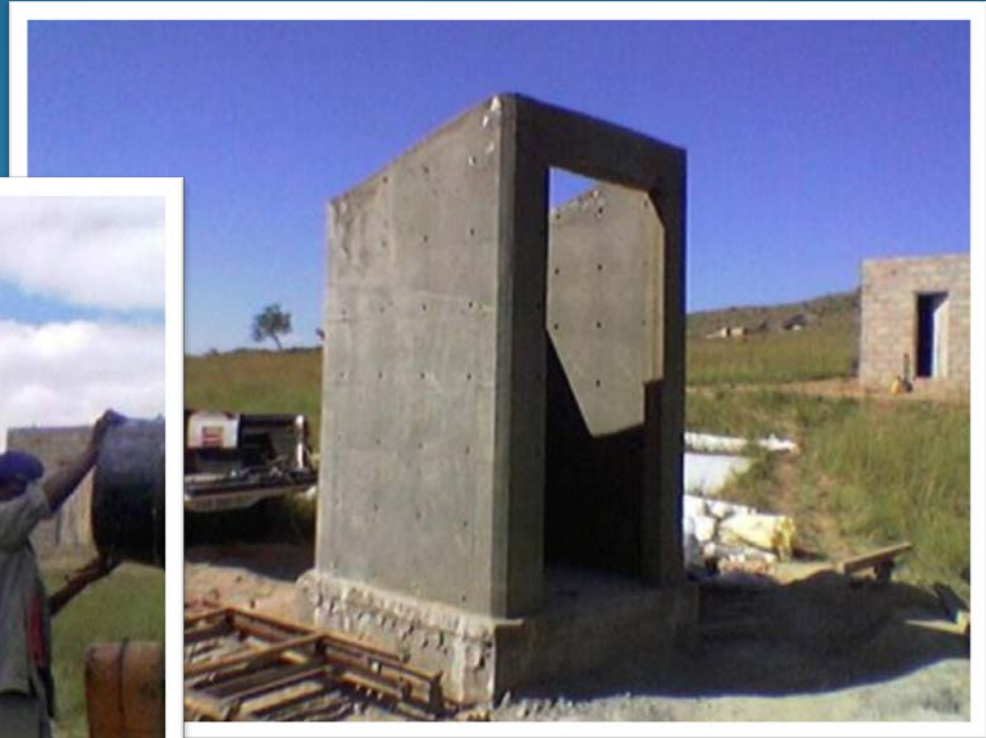
CLASSROOM



ABLUTION BLOCK



VIP TOILETS



SECURITY WALLING



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

moladi VILLAGE



SUSPENDED SLAB SYSTEM



CONCRETE ROOF TILE



PAVING BLOCK



STAIRCASE



LATICE BEAM SYSTEM



LOUVRE WINDOW SYSTEM



THE CHAMPION DRIVER



... needs a champion TEAM

THE CHAMPION TEAM

Sustainable *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.

ENTREPRENEUR

The Austrian economist Joseph Schumpeter defined the entrepreneur as an innovator and an agent of change. He coined the phrase “*creative destruction*” to describe this transformative process.

Through “*creative destruction*”, established businesses are replaced by new and typically improved methods of doing things.

CONCLUSION – STATUS QUO

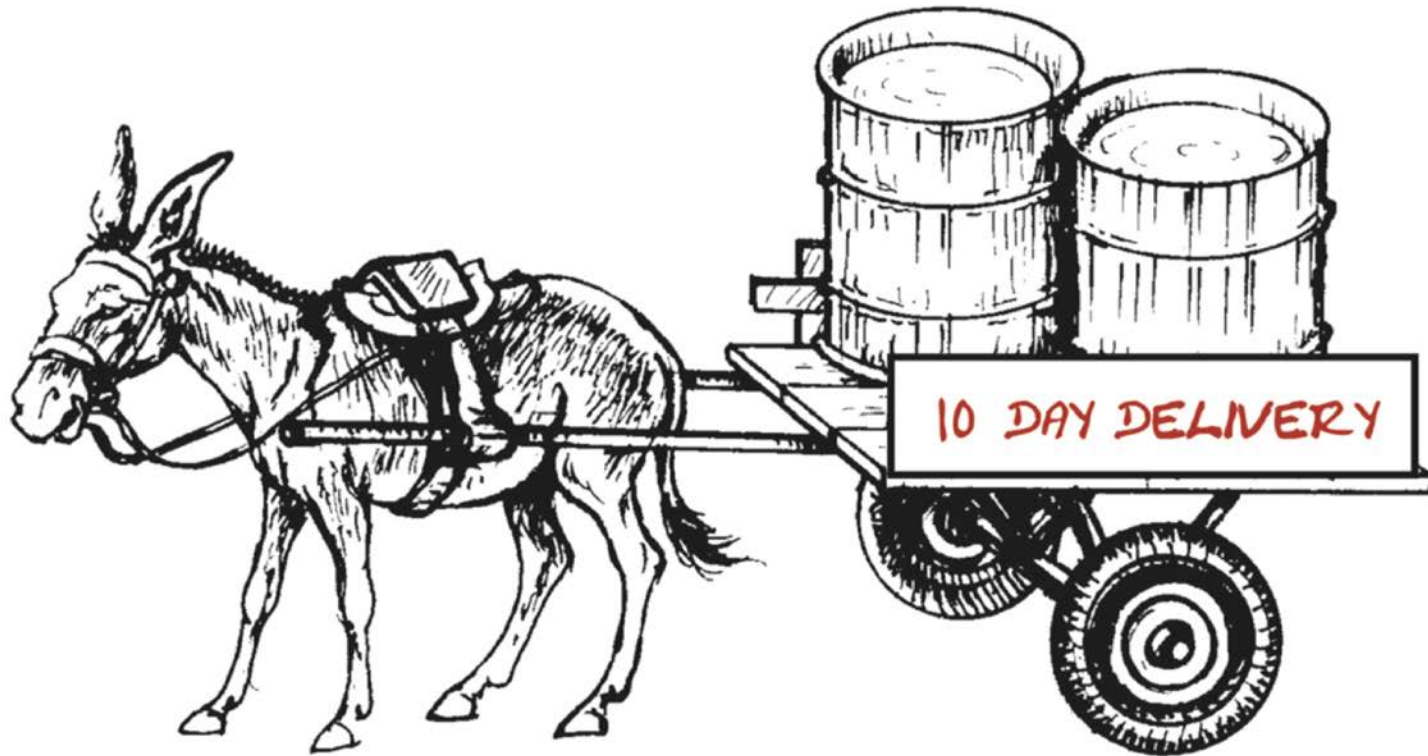


image courtesy of developmentart.com

SUPERFICIAL CHANGE

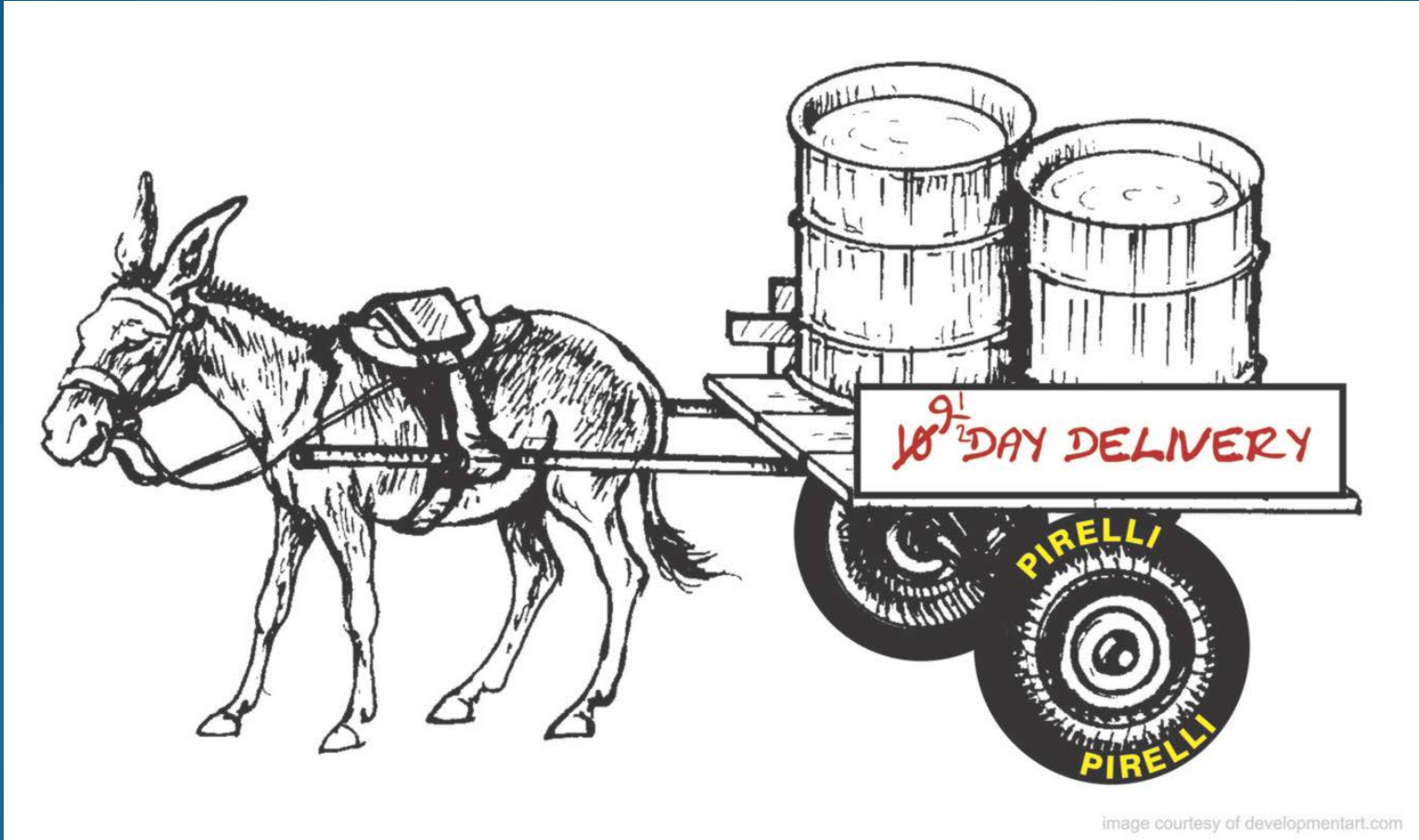


image courtesy of developmentart.com

RADICAL CHANGE



image courtesy of raisingourkids.com

RADICAL CHANGE



OLD



NEW

THANK YOU

Fight poverty, unemployment and crime through housing

moladi
building communities



Hennie Botes – www.moladi.net