

TBN National Conference
26th May 2010

Creating SMEs in developing countries
to alleviate poverty

TBN Gulf Inaugural Meeting 24th September 2010



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2nd Meeting of TBN Gulf 4th February 2011



2nd Meeting of TBN Gulf

4th February 2011

- Trades Workshop in Somaliland
- Africa Atlantic Franchise Farming - Ghana

TBN National Conference
20th May 2011

Impact Entrepreneurship



Knocking Poverty on the Head



Getting more bang for your buck

What is the target we wish to impact?

1. Create ethically based, sustainable SMEs
2. The triple bottom line PPP
 - People
 - Profit
 - Planet
3. Alternatively
 - Employment/Empowerment/Enrichment/Education
 - Economic
 - Environment

They say that everything which exists
has been made at least twice.....

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Once in the mind of the designer.....

They say that everything which exists
has been made at least twice.....

Once in the mind of the designer.....

and once in reality

A thick, blue, curved line that starts at the bottom left, rises to a peak in the middle, and then descends towards the bottom right. It is positioned behind the text.

INTENTIONAL
ENGINEERING



Josh



Tomell



Matt

What is the specific target for
Intentional Engineering?

We want to develop developers

Intentional Engineering UAE Service Centre



Project Management and
Training

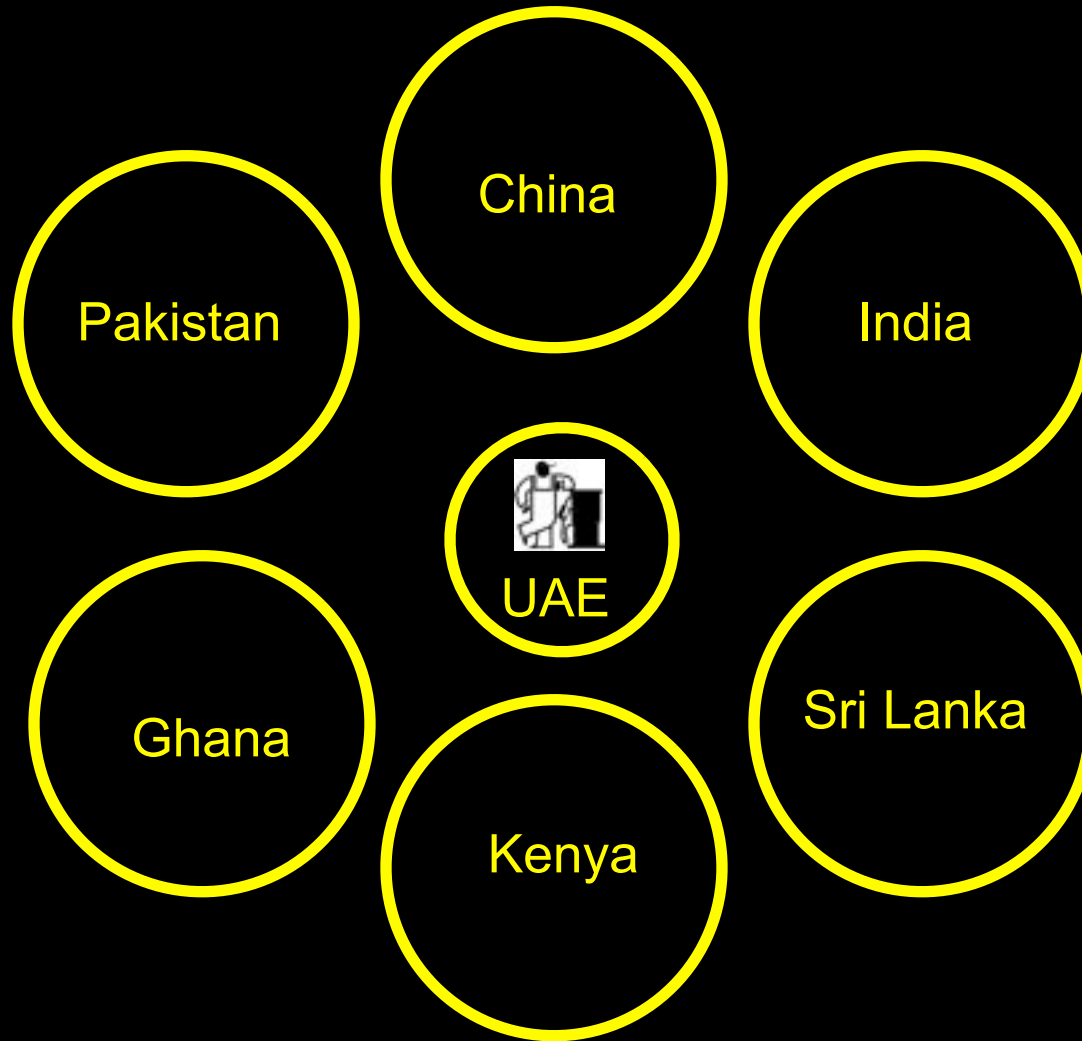


Investment and
Partnerships



Design, Research
and Development

Community of Purpose



Intentional Engineering Typical Statement of Intent



Building our nation by using the least to gain the most

Intentional Engineering– Ghana:

Intentional Engineering Ghana is a developer that educates and engages its workforce to build appropriate* structures for enlightened clients. Our results reward client and staff alike without detriment to the environment.

ieGhana is supported by ieUAE in the areas of management, technical excellence, and staff training. Sister companies located in other developing countries will form a Community of Purpose (CoP) ** that will further develop our technology and processes.

ieGhana together with its sister companies are *for profit Social Ventures****. In the start up phase the ownership of the company will be a minimum of 30% national and a maximum of 70% non-national. The aim is to move to 80% national and 20% non-national within 5 years.

Intentional Engineering

Typical Statement of Intent

Definitions

*Our definition of 'appropriate' is: worthwhile, fit for purpose, low environmental impact and suitably priced.

**We use Communities of Purpose to provide a slightly different focus to the term Communities of Practice coined by Etienne Wenger - "Communities of practice are groups of people who share a concern or a passion for something they do and learn how to do it better as they interact regularly."

***Social Venture Capital (SVC) uses an enterprise approach to tackling global poverty through creating commercially sustainable small-medium size enterprises (SMEs) in developing countries, creating jobs and empowering the poor. It uses the principles, discipline and accountability of venture capital investing, while seeking to maximise financial and social returns." Dr. Kim Tan

Intentional Engineering Economic and Environmental Metrics



Starting with our trials we will predict and measure

- Volumes of materials
- Costs – whole life cycle
- Foreign exchange – how much we spend and where
- Carbon footprint :
 - Embedded energy of construction materials
 - Carbon footprint of construction
 - Carbon footprint of operating the prototypes

Intentional Engineering Social Metrics



Rammed Earth

Q - What is rammed earth?

A – Rammed earth is an ancient technique of mixing sandy soils often with a binder and pounding it into a constrained space to make walls

Q – What are its advantages?

A – Where the material on site is suitable the embedded energy is small and the cost is low. It is also a good insulator and is easy to construct. It needs no finishing either internally or externally and can be very attractive. It has a very long life and is 100% re useable









Expatriate Properties

Building relationships, impacting lives

Santosh Shetty is Founder and Chairman and a supporter from the outset of TBN Gulf and IE.

Working in the following sectors:

- Land acquisition, aggregation, plot selling
- Development and sale of residencies
- Development of townships, gated communities and resorts
- Engineering – construction of infra and buildings
- Mining

Expat Properties – Karjat December 2010





Expat Properties January 2010

Intentional Engineering engaged for two years to:

- Build capacity in the area of Program Management
- Create a Facilities Management Division
- Research cost saving construction techniques



Mena Farm

Rob McFarlane was also present at the inaugural meeting of
TBN Gulf
Mena Farm





Menaa Farm

Model Produce Farm and Training Centre

Target Annual Produce:

- 200 Tonnes of fresh water fish – Tilapia
- 100 Tonnes of curry leaf
- 60,000 stems of fresh cut flowers

Impact Targets:



Intentional Engineering UAE

David and Susie Chen – Susie was present at the meeting of TBN Gulf

Working in the following sectors:

➤ Solar Power

➤ Fencing





Menaa Farm

Final Note:

There is an opportunity to invest in this project

THANK YOU