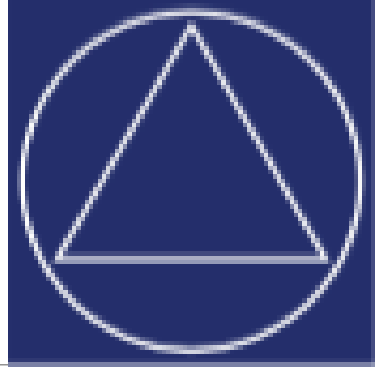

Economic Revitalization Through Mobilisation of the Construction Sector

JCC SEMINAR

NOVEMBER 23RD, 2016





Strategic Approach to Infrastructure and Affordable Housing Design and Delivery

TOWARDS THE GOAL OF SUSTAINABLE DEVELOPMENT

AKIN LOOBY

Outline

Vision

Goal

Engagement

Context

Solutions

Examples



The Vision

Human wellbeing is the purpose of Sustainable Development

"Sustainable development is development that meets the needs of the present without compromising the ability of future generations to meet their own needs."

Brundtland Report



The Goals

Sustainable Cities and Communities - Make cities and human settlements inclusive, safe, resilient and sustainable

United Nations Sustainable Development Goal

Ensure that affordable housing is available to all citizens regardless of their personal financial circumstances.

PNM Draft Policy Statement 2015

Sustainable communities can be defined as:
“Places where people want to live and work, now and in the future”

Office of the Deputy Prime Minister, UK



Stakeholder Engagement



Society

Government

CBOs/NGOs

Statutory & Regulatory
Agencies

Utility Companies

Planners

Design Professionals

Contractors & Construction
workers

Developers

Investors

Financial Institutions

Inventors & Innovators

Manufactures & Suppliers

Educational Institutions

The Context

Housing demand of 60,000-80,000 by 2020

Limited financial resources- TT\$30 billion for mortgage financing to meet 2020 demand.

Most households not able to afford housing at market prices

Waiting List for HDC housing of over 200,000

Lack of coordination by all stakeholders

Land use planning insufficient for complex & competing needs

Low rate of delivery of housing

Inadequate infrastructure- flooding, traffic, water shortages etc

Limited options for varied types of households

Limited available land for housing and development. 75,000 acres required by 2020.

Use of less efficient traditional construction methods

Underutilization of local human resources in construction sector

Limited human resource in construction sector for the demand

Informal solutions- Over 55,000 families squatting



Solutions: Affordable Housing and Infrastructure Design

Mixed Use & Income

Higher density development

Mixed Unit Type and Tenure (ownership, rental)

Cater for different groups (low & middle income, young professionals, elderly, disabled etc)

Incorporate green solutions (energy efficiency, solar energy, recycling)

Adequately designed buildings and infrastructure to meet national standards (resilient to natural disasters etc)

Sustainable transport solutions (public transportation, walking, bicycle riding, rideshare)

Use of efficient/ sustainable construction methods and materials





Solutions: Infrastructure and Affordable Housing Delivery

Visionary leadership and stakeholder collaboration

Relevant public policy

Public/ Private Partnership

Implementation of comprehensive land use plan

Greater participation of design professionals

Increased private developers involvement

Support for NGO/CBO involvement in housing

Innovation in construction sector

Greater access of homeowner financing options

Carmel Place, NYC

Collaboration with City
Housing Department,
Developer and Designers

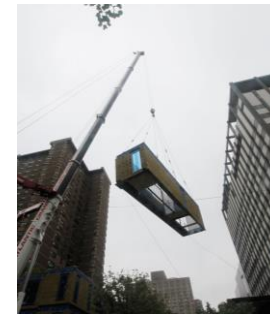
Single and double occupancy

Mixture of market rate and
subsidized units

Micro apartments- 250-370
s.f.

Use of technology and
innovative : Modular Design

LEED Silver certification



Emerald Vista Dublin, California

Public/ Private Partnership

Mixed use, mixed income

Mixture of 1,2 & 3 bedroom
units

Market rate and subsidized
units

Tax Incentives to developer

Partnership and
Collaboration was key



Victoria Keys, Diego Martin, Trinidad

HDC Development

Design Build Contract

Three 8 storey residential blocks

Mixture of 1,2,3 bedroom units

Amenities include parking structure, pool, community facilities



Savannah Villas, Aranguez, Trinidad

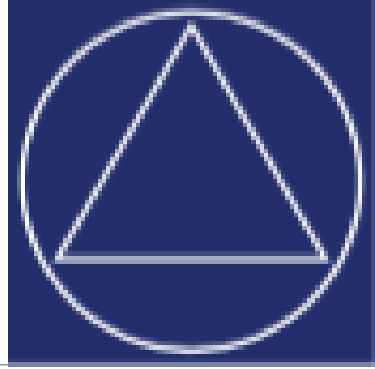
HDC Development

Multi storey residential blocks

Mixture of 2 and 3 bedroom
units

Amenities include pool and
community facilities





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