



Ain Shams University
Faculty of Engineering
Department of Architecture

Management of Sustainable Urban Design In New Egyptian Cities

A Thesis Presented in Partial Fulfillment of the Requirements for
Master of Science Degree in Architecture Engineering

by

Reem Hossam Mahmoud Fahmy

BSc in Architecture 2010 – Ain Shams University

Under Supervision

Professor Dr. Mohamed Ayman Ashour

Professor of Architecture and Urban Planning
Vice-Dean of Faculty of Engineering
for Post Graduate studies and Cultural Relations
Ain Shams University

Professor Dr. Akram Farouk Mohamed

Professor of Architecture
Ain Shams University

Dr. Layla Mohamed Khodeir

Assistant Professor
Ain Shams University

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STATEMENT

This thesis is submitted to Ain Shams University for the M.Sc. degree in Architecture.

The work included in this thesis was carried out by the researcher at the Department of Architecture, Faculty of Engineering, Ain Shams University, and during the period from 2011 to 2014.

No Part of this thesis has been submitted for a degree of a qualification at any other university or institute.

Name: Reem Hossam Mahmoud Fahmy

Signature:

Date:

BOARD OF EXAMINERS

Board	Signature
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Professor Dr. Akram Farouk Abdel Latif Professor of Architecture Faculty of Engineering Ain Shams University	

ABSTRACT

The primary purpose of this study is to investigate an effective approach to **analyze and assess the social sustainability** level of the New Cities, as the first phase (**analysis phase**) in the Integrated Development Planning (IDP) approach.

This study was conducted in Haram City, Sixth of October. Data for this study were obtained from two major sources: literature review followed by fieldwork and case study analysis. The literature review explored the notion of social sustainability, together with its assessment methods. The case studies included examples from San Adrià de Besos in Spain, Santa Catarina in Brazil, and Third Calcutta Metropolitan area in India. They were selected to provide the widest possible spatial and institutional coverage of how social sustainability had been incorporated and monitored in urban regeneration schemes at varying development stages, diverging urban scales and in the context of different institutional arrangements. In order to conduct the research work for the local case study, several methods were used, these included: field studies, interviews with locals and residents, Social indicators measures, and a residents' questionnaire. For the indicators measures, the scores obtained from the monitoring indicators were totaled and then the average was calculated. The scores were represented in a radar diagram, which visualized the overall position of each theme and identified areas that were underperforming and need improvement. For the questionnaire, 68 residents were selected randomly for this investigation. This questionnaire investigated the characteristics of living in the city that included housing, transport, services provided and physical design and the social capital that included trust; reciprocity and mutuality; shared norms of behavior; shared commitment and belonging; formal and informal social networks.

It was uploaded on the official website by its developer, and interviews were conducted by telephone with some residents. Responses of the survey were made on a 5-point Likert scale.

The results revealed that on one hand, Haram City performs well in term of non-physical aspects, on the other, the physical aspects such as housing, transport; services and physical design were mediocre. From the case studies, some guidelines for implementing an Integrated Development Planning programme in any urban regeneration projects to solve social sustainability problems were proposed.

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