

HOUSING & ARCHITECTURE
APARTMENT EXPERIENCES

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HOUSING & BUILDING RESEARCH CENTER

MINISTRY OF HOUSING, UTILITIES & URBAN COMMUNITIES

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HOUSING AND BUILDING RESEARCH CENTER ARCHITECTURE AND HOUSING DEPARTMENT

Objective

The main objective of the Department of Architecture and Housing is to develop the architectural design of housing, services and public buildings and norms for architectural components and constituents.

The department undertakes research work and technical studies through scientific, experimental and field work in the domains of housing studies and landscaping, the design of specific public buildings, statistical and feasibility studies. The department has future plans of organizing training courses in addition to preparing seminars and publishing scientific bulletins in all previously mentioned fields of interest. The department already has contacts in various levels locally and internationally, with special interest in Arabic and African areas.

Working Domains

- Housing and Urban Planning
- Management of Housing development.
- Upgrading, site and service projects.
- environmental and climatic design.
- Urban design and lands-cape architecture.
- Building technology.
- Specific buildings.
- Computer applications in architecture, Housing and urban research

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Examples Of Research Projects



DEVELOPMENT OF PRODUCTIVE SETTLEMENTS FOR THE YOUTH GROUPS IN NEW URBAN COMMUNITIES

Pilot Projects in Sadat & Badr New Urban Community (in progress)

Project Objective

The project aims at implementing integrated development programs for youth housing in conjunction with creation of job opportunities in new productive settlements. These productive settlements should not only provide the appropriate housing units, infrastructure, utilities and public services, but also support the whole socio-economic development and upgrading of skills for the target youth groups. The project also aims at increasing the population rates of the New Urban Community (Sadat and Badr cities) through the provision of the basic services which are essential to develop a community.

Target Groups

- Newly graduated youth, especially who have technical/ industrial experience and talent.
- Young workers having fair experience on environmental industries.
- Young employees working in the city.

Project Contents

- Developing new productive activities, using the housing unit as productive workshop area.
- Training and Capacity Building for the youth and women groups, through the development the supporting industries, training the youth on the selected workshop activities, and to train women on income generating activities.
- Community development funds to provide the basic services, such as: education, health care, marketing, inter-city transportation, beautification, environmental preservation and recycling of waste disposal.

Participants

- Housing and Building Research Center.
- Social Fund for Development.
- Organization of New Urban Communities.
- Sadat and Badr City Development Board.
- NGO's related to productive settlements establishment.

**Evaluating the experiment of Human settlement
in The Complex of Aluminum at Nagaa Hamady,
(Comparative & analytical Study of the
One Factory City)**

Team leader Prof. Laila Moharram
**Supported by the Academy of Scientific Research and
Technology (in progress).**

The study is concerned with evaluating the policy undertaken by the Government about settling industries all over the country and studying its effect upon the human settlements.

The objectives of the study are:

1- Determining the position of human settlement experience in Aluminum complex in relation to other industrial experiences in Egypt with the identification of major points of similarities or conflicts and also the lessons can be useful in other similar industrial settlements or in establishing new communities.

2- Identification of social and cultural revenue of human settlement experience in Aluminum complex and its effect on national , regional and local levels .

3-Identifying the role of One factory cities in general and Aluminum city in particular in developing remote or poor regions, and to achieve more balance between the regions.

4- Assesment of the future of human settlement in Aluminum city and in Nagaa Hamady region throug the economical potentials of the industry , labour development and expansion possibilities and urban potentials of city growth.

5- A trial to put a strategy for human settlement indentifying factors of success and drawbacks which should be avoided.