



VERTICAL COMMUNITIES

New Paradigms In High-Rise Design

1- Objective and Theme of the Project

This studio seeks to explore alternative design approaches and develop exemplary local models for **Mixed-Use Tall Buildings in Egypt** that are informed and inspired by the urban, environmental and socio/cultural aspects of its settings, with holistic long-term sustainability agenda. The tall building should stand not only as an iconic cultural symbol but also as **an active ingredient of its social/ urban setting**. The proposed functions are **offices, residential and retail**

A number of potential sites in dense or/and future cities are proposed(see site attachment).Some of these sites are already included in future development of Cairo 50,and suggested for high rise structures. The proposed sites are meant to convey variable urban and socio/cultural settings. **A potential site must be adjacent to a main transportation hub /link so that the building is accessed by either walking or by bicycles**. Private cars and car parking are limited to disabled. This is part of the long term agenda to reduce Co2 emission. Always remember that you are designing for 50 years ahead

2- Project's Aims & Objectives

- To explore and resolve the issues associated with the placing of tall building in an urban setting.
- To explore how tall buildings can be inspired by the physical and environmental characteristics of site.
- To determine the programmatic brief for the building based on micro and macro site studies (considering community needs, availability, appropriateness and future development)
- To understand the issues involved with designing a multi-level building containing different functions.
- To understand how considerations of structure, environmental/ functional configuration and performance ,servicing etc are as vital to the success of the building as form, materials aesthetics etc.
- To explore appropriate oral,3D physical models, video and graphic presentation skills through the duration of the project so as to communicate ideas to their maximum potential

3- Programmatic Brief.

The building should provide an approximate gross floor area of **45, 000 m²** and contain a mixture of **Office/ Work Space of a Total of 1000 Person; Residential Space for 300-400 people, Ground Floor Retail of 1000m². Top Level Activity, Entrance Lobby, Plant of about 2000 M².**

There is flexibility to the final height of the building since this should be a result of the aesthetic consideration of the proportion of the building itself (the height to mass ratio) and its sculptural position within its urban landscape. However it should not exceed 40 storey tall. : The nature of proposed spaces in terms of function, area, and configuration depends upon **the nature of the urban/social setting**.