Economy of Construction, Factors of Influence in Managing a Project

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Public and Private constructions
Definition of Needs
- the private constructions respond to personal needs which help to define the project.
- it refers to Architectural forms and materials.
- Site constraints such as slopes and rural or urban surrounding.
- Infrastructure network that is available and accessible.
- Durability and period of use.

Private sector influences and natural environment.
- The natural environment can impose a way of construction.
- Isolation Factors(thermal, acoustic, visual,...)
- The aim of a construction(office, residences, Factories,..)
- The real estate valuation in certain areas, even in the same country and the valuation price for sale.
- Landscape management and extensions of green spaces.
- Regulations and director plans(urban areas, rural, ...)

Areas Definitions in the Arab and Middle-East region.
- Being in a multi-character zone such as the Arab region, too many styles of construction is obvious.
- The historic of the Area and the multi-cultural influence.
- Restoration of old buildings or new construction?
- Natural composition of the site(rocky, sandy, near the sea,...)
- Treatment of elevations and integration with surrounding environment.

Public Constructions.
- Social and demographic factors.
- Activities and use of constructions(military, hospitals, schools, ministries, hotels, ...)
- Infrastructure projects.
- Communications and privacy.
- Natural resources for materials of constructions.
- Regulations and town planning charges.

Public Constructions and The main Director plans.
- The main director plan and influence of the Urban Tram.
- Distribution of public functions and activities.
- Importance of visual and green extensions.
- Environment and polutions.
- Industrial zones and constructions.
- Conserving the main architectural aspects.
- Demographic movement and balance.
Public constructions and the infrastructure network

- Importance of communication system in valuating of costs.
- Constructions of public services and estimation of costs.
- Project management and real estimation studies.
- Order of development, and integration into the main nation’s development plan.
- Protecting the environment and the pollution factor in what we call the environmental infrastructure design.

Conclusion and Role of a Surveyor

- Importance of ameliorating the cadastral operations.
- Importance of the co-operation with architects and surveyors.
- The necessity of developing new regulations for cadastre and surveying.
- The site analysis is a must.
- GIS is the way to develop a statistic information before starting a project.
- Exchanging the international experiences through the FIG and other regional and national organizations.

Best wishes of Success and thank you all for your Attention.