

URBAN MORPHOLOGY

HUMAN SETTLEMENTS' METHODS



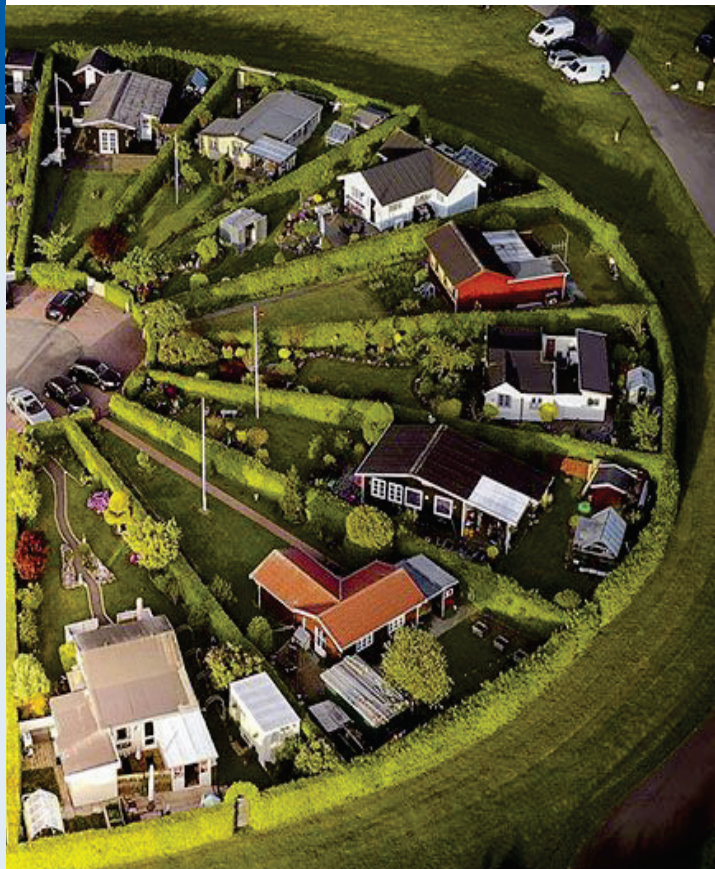
Urban planning has seen a series of rapid, evolutionary ideological conceptions over the past century which tied up with urban morphology and urban design and their impact on the masses as well as the planners and developers.

The method of urban morphology goes back to the influential study of urban form was “Nolli Map” of Rome produced by “Giambattista Nolli” in 1748. It represented the spatial structure of the city in two components which are figures (solids) and the ground (voids). Although the “Nolli Map” also employed the concept of public and private ownerships of urban spaces to differentiate urban components, the recognition of figures and the ground has been the basic understanding of urban configuration that is widely accepted today.

Presenting the masses with urban fabrics that celebrates human connectivity and has “public ease” on top of its list of priorities is the ultimate recommendation for timeless community living and exponential increase in quality of life.

Urban morphology refers to the study of urban patterns; observing the transformation of urban formations of cities, towns and - by extension gated communities, allowing various urban fabrics to emerge through space and physical masses.

Urban patterns vary in scale, physical characteristics enforcing urban interventions to take place and have made significant impact towards the future of planners and developers. The formation and transformation of urban forms of cities, towns, and villages over time in a number of levels including behavioral, sociological and economical interventions to promote sustainable urban developments.



URBAN DESIGN & CITIZENS' LIFE



Organic Pattern

The diffusion of the automobile was a driver in the shift of the street network towards a more curvilinear/organic pattern, increasing the level of connectivity, reducing the density of land use, and a positive increase in landscape.



Grid Pattern

This road type is easily perceived as it gives clear directions due to its simple linear grids, thus makes it the most popular urban pattern among most road engineers and planners for busy mixed use communities.



Loose Grid

This grid approach is similar to the grid pattern type having a clear homogenous relationship between street network structure and urban land use, with a twist of flexibility in terms of grid module and shape.



Radial Pattern

This spatial configuration leaves a radiating impression as a consequence of having disseminating radial roads from a focal point that diffuses connecting concentric roads.

Synergy for quality of life, that takes place by urbanism of slickness, show-off design and sculptural shape. Human awareness and capital growth will be able to override control and conflicting old-fashioned regulating plan associated with morphology.

A lot of debate is taking place to introduce organic fabric and living patterns to niche residential, commercial and administrative zones, while being a controversial matter in commercial and administrative areas. The modern day requirements tackles issues like providing harmonious living between dwellers, nature and commercial properties.

A guaranteed positive impact will take place in the commercial areas when developers eliminate commuting hardships and inject "easy reach" to the public by acting as a bridge between the masses and their desired destinations through the subtlety of urban morphology which will rise in the urban design future. The new trend indicates that the quality of built environments and construction plays an important role in reducing pollution and guaranteeing better public health. Developed countries give so much weight in the structure and shape of any city. For example, use environmentally friendly means of transportation, especially walking and cycling which bring health benefits.

THE AIM IS TO PROMOTE URBAN DESIGN IN MAJOR DEVELOPMENT STRUCTURES

URBAN DESIGN PROVIDES THE MOST CONVENIENCE & CONNECTIVITY

- ∴ Grid pattern is the most recommended among busy cities, administrative and commercial zones.
- ∴ Organic harmonious is recommended for residential areas and communities.
- ∴ Countries now approach to create layouts that minimize energy consumption and for those who do not or cannot use the car, in addition to cyclers manifested in efficient reachable urban layout.



For more details, please contact: