HYDROCITY OF AJMAN, United Arab Emirates



Current site of Emirates City in

CONCEPT- OUR VISION

Hydrocity of Ajman is primarily a re-urbanization of a district in Ajman called Emirates city, it is adjacent to the E311 road where it links all the emirates together in the United Arab Emirates. The site before the proposal consists of a cluster of residential towers in

different construction stages that are relatively placed close to one another. They all have the same typology, style and height in which these towers rest on a multi-storey parking structure as a podium.

However, the density, the organization and proportion of these towers Ajman, United Arab Emirates made the site look as a dense concrete jungle of towers that lacks an interactive space for the residents to socialize.

Hydrocity of Ajman represents a place of modern mixed-use project offering offices, residential units, commercial and entertainment programs expressing a contemporary way of living. In which it combines the elements of work, live and socialize together within the same context, to provide a flexible and easier lifestyle for the residence.

The project also addresses 3 main points of resiliency which are economic, social and environmen

Economic- Each of the towers is mainly designed as an open concrete parking structure with a central courtyard and a modular grid system with modular size program units that would be adapted and converted interchangeably depending on the demand of the economy over time.

Social- The project proposes various scales of public space both within and outside the tower just to create a variety of leisure experience for all age groups. For example, we have sky dine that is in the hydropower tower and other wide range of entertainment, commercial and retail facilities that all overlook a panoramic view of the central water body in the proposal.

Environmental- The project proposes the use of hydropower towers which are located in the center of the master plan and captured kinetic energy from vehicles. So, both of these forms of energy are used to generated electricity and provide it back to the grid and the hydrocity block.

FOUR THINGS YOU NEED TO KNOW ABOUT HYDROCITY OF AJMAN



over the world.

2 🚳 RENEWABLE ENERGY

Located in the smallest emirate in the Using th elatest technology of gravity UAE, Ajman, as it is one of the emerging powered battery, kinetect energy is used favourite of businessmen and tourists all to generate electricity and power the entire towers in the city.

FEATURES The residential units, offices and retial have an expansive view of Emirate City Creek with outdoor parks, ladscapes,

walkways for cars and pedestrians.

80 4 ENTERTAINMENT

Waterfront shopping, retial and dining allows a rich leisure experience that are accessible to all residents and workers of the city



Experience a new lifestyle **MASTER PLAN** - The project proposes an urban and contemporary lifestyle of conserving and generating energy while taking into consideration the social, environmental and economical approaches of the site. The continuous bridging system of ramps and bridges connects the towers and knits the site together to allow easier circulation for the residence. Each tower has a car elevator that allows the





EXPLODED AXONOMETRIC OF ONE TOWER

The bridging systems helps to connect the residential units to the office units. The bridges are also used as circulation systems for both the vehicles and residence.

residence and employees to park their car right

One tower module is linked with another to create a

Each building has its own central courtyard and

+ + + + + + + + + +

h h h h h h h h h

The states

next to their working or living space.

chain of buildings.

the state

sky-high roof gardens.





Bridging System

Structure System

Residential/Office units with spacings for parking and social zones





View of a social bridge inside the tower.



View of the kindergarten located in the social bridge.

View across from the inside of the towers.