

# HALO CITY

Design Concept

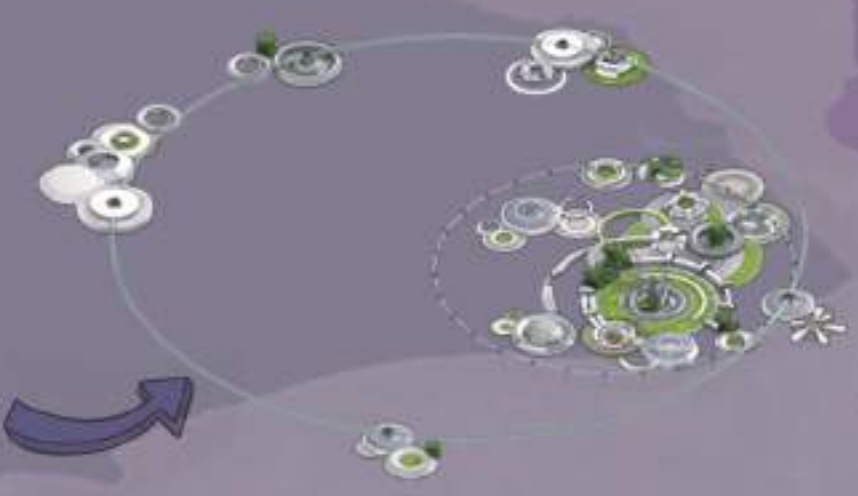
UC-win/R DesignBuilder Shade3D FORUM8



Major functional area



Pre-design sketch analysis



Transfer station design

In our design, we made two huge circular transportation systems called HaloO around the Sydney West International Airport to distribute passengers and staffs throughout the entire aerotropolis districts in a short time. The huge HaloO circular tubes are silky intersected in a tangential way in the central station. Because of its geometry peculiarity, the two roads can be quickly switched from the inner city ring vehicle to outer city ring high-speed train, which can be greatly improve the transportation efficiency than the conventional linear way. Meanwhile, we designed the HaloO city as a low-carbon community, with cleaner wind/solar energy to power up our buildings, people who living here can enjoy a more relaxing green life with abundant plants and fresh air around them.

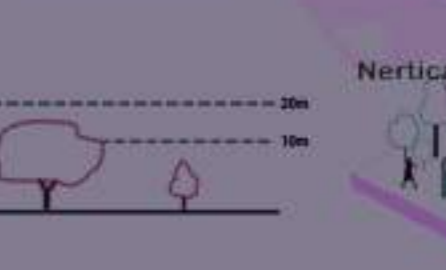
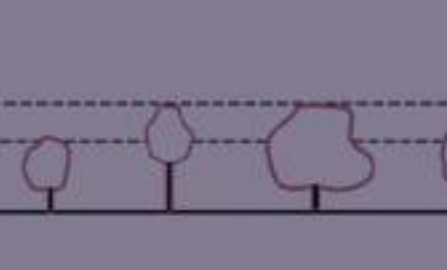
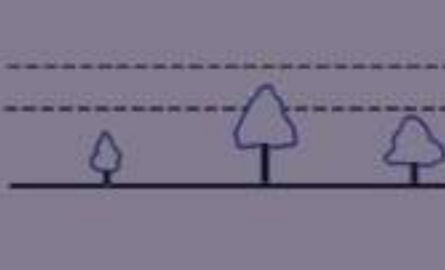
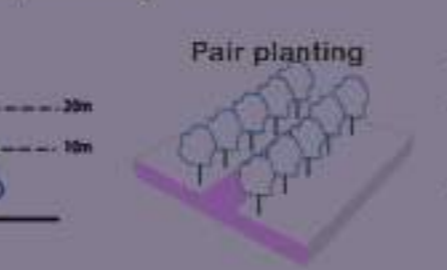
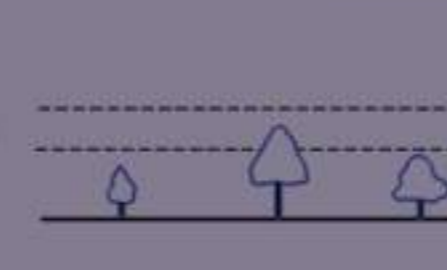
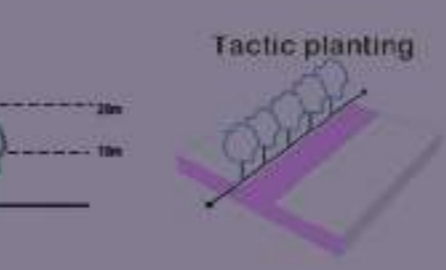
## Energy-efficient and Environmentally Friendly Technology



Rainwater collection system

In our design, we have also designed a special rainwater collection system, which collects rainwater and discharges it directly into the water storage system through simple filtration. The design of the facility is simple, beautiful and does not take up much space, so that rainwater can be easily sent to the water point. This rainwater collection system can effectively achieve energy saving and emission reduction, green environmental protection, but also effectively reduce the cost of water treatment.

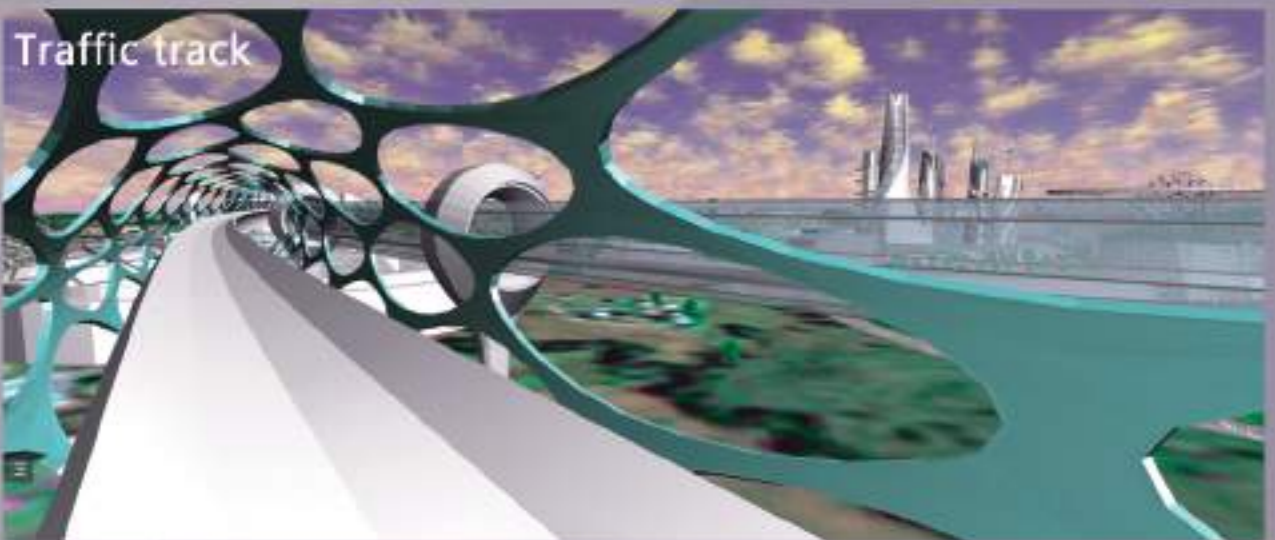
## Coexistence with the Environment



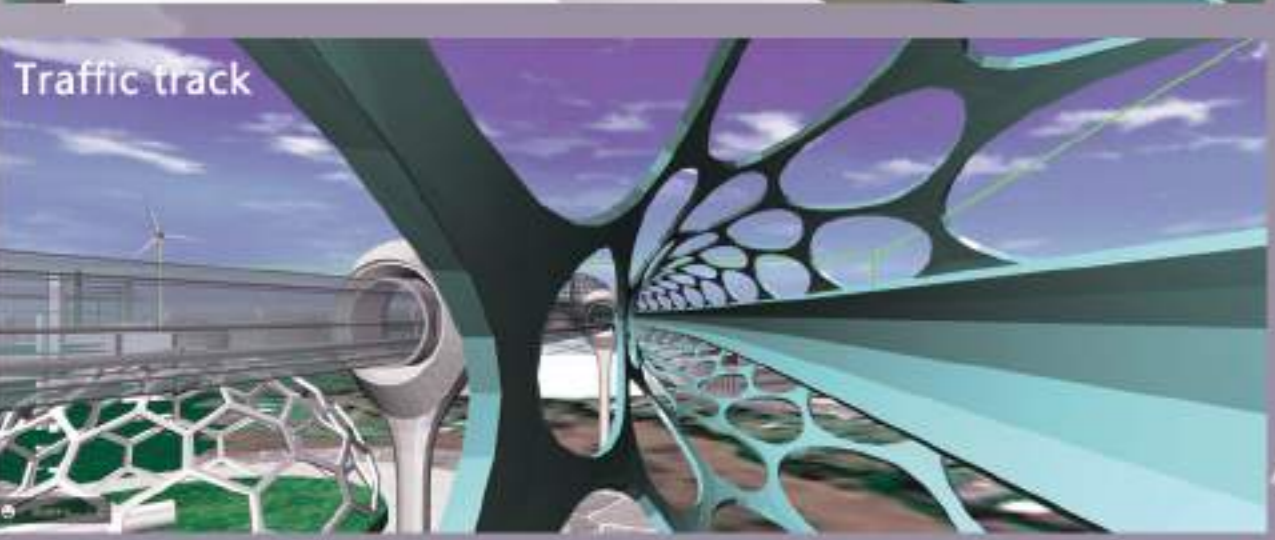
The design adopts the method of multiple interactive planting, including separate planting, tactic planting, pair planting, cluster planting, patch planting, group planting and mixed planting.



The core area of the Aerotropolis



Traffic track



Traffic track



Aerotropolis environment

## Convenience of Transportation

