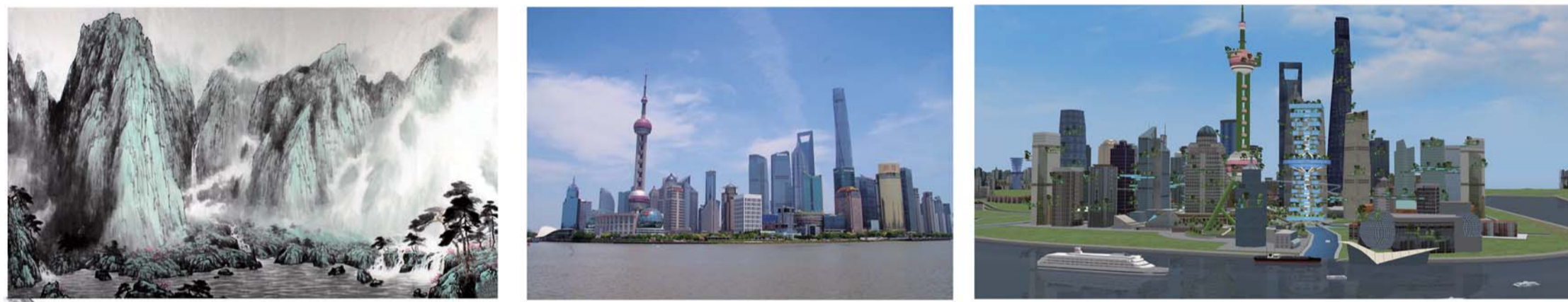




Introduction
 "Embrace World" means harmonious ecological coexistence between natures. The project is expected to reshape the characteristics of Shanghai's inclusive multiculturalism. The design concept is derived from the famous Chinese landscape painting. Combining the innovation technology of IOT, automatic traffic system, and smart facilities to create a shareable intelligent city. In addition, the plan has been carried out using simulation analysis software and gets a perfect score on availability

Design Concept
 The famous Chinese landscape painting presents a harmonious space with mountains, water and green spaces. However, lack of green space and water nourishment, today's highly developed cities are like a lifeless reinforced concrete jungle. Therefore, the design concept of this plan is to reproduce the poetic features of Chinese landscapes in Shanghai. Connecting greening systems, transportation, and water systems to create a shared future city.



Traffic Planning
 The transportation system is mainly composed of solar energy track and smart lane. The peripheral river channel is used as an auxiliary for external traffic. The transfer station connecting various transportation facilities is the main transportation hub. IOT technology is applied to assist traffic flow control and vehicle sharing management.

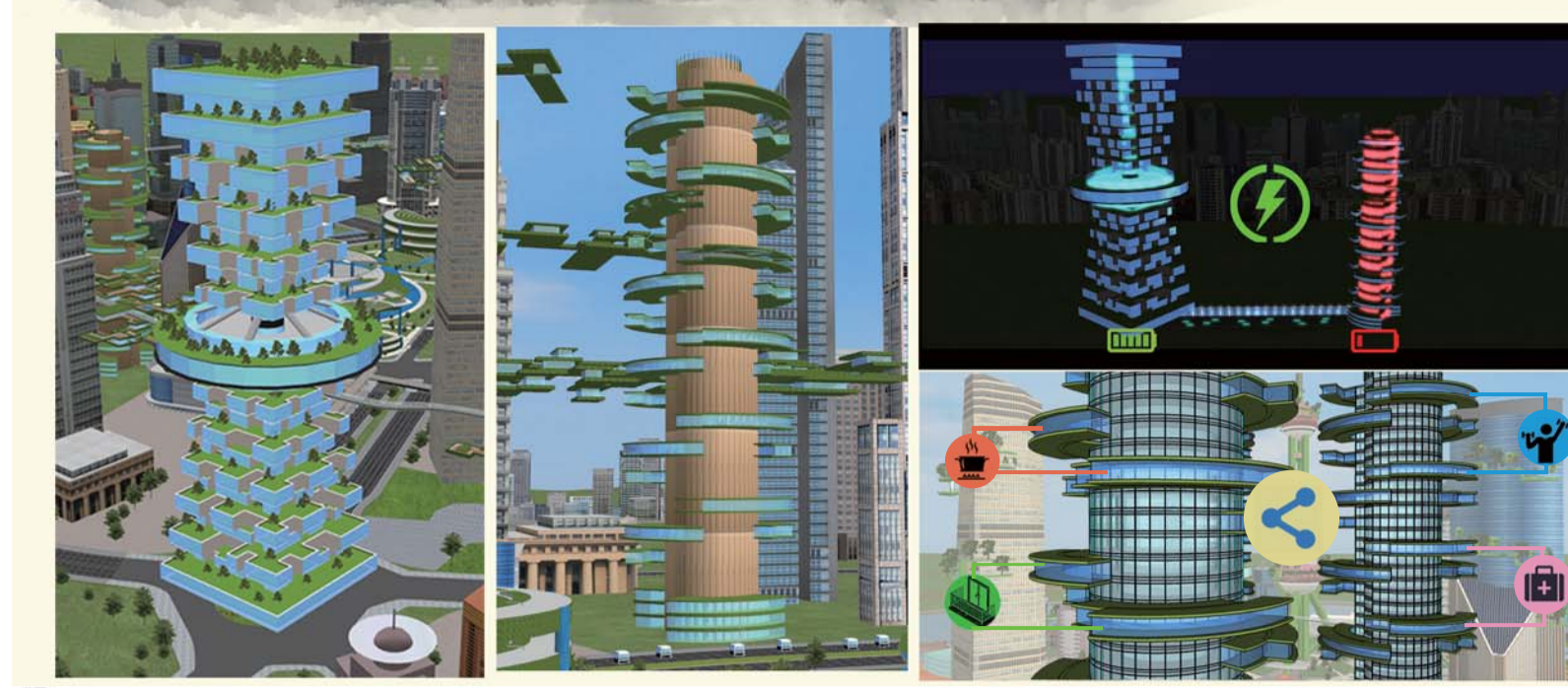
Intelligent City

Central Action District

Shared Farm

 "Shared farms" integrate space for planting, recreation and sports. Rainwater recycling is used for irrigation to increase the practicality and sharing benefits of greenlands in Shanghai.

Intelligent Building Analysis



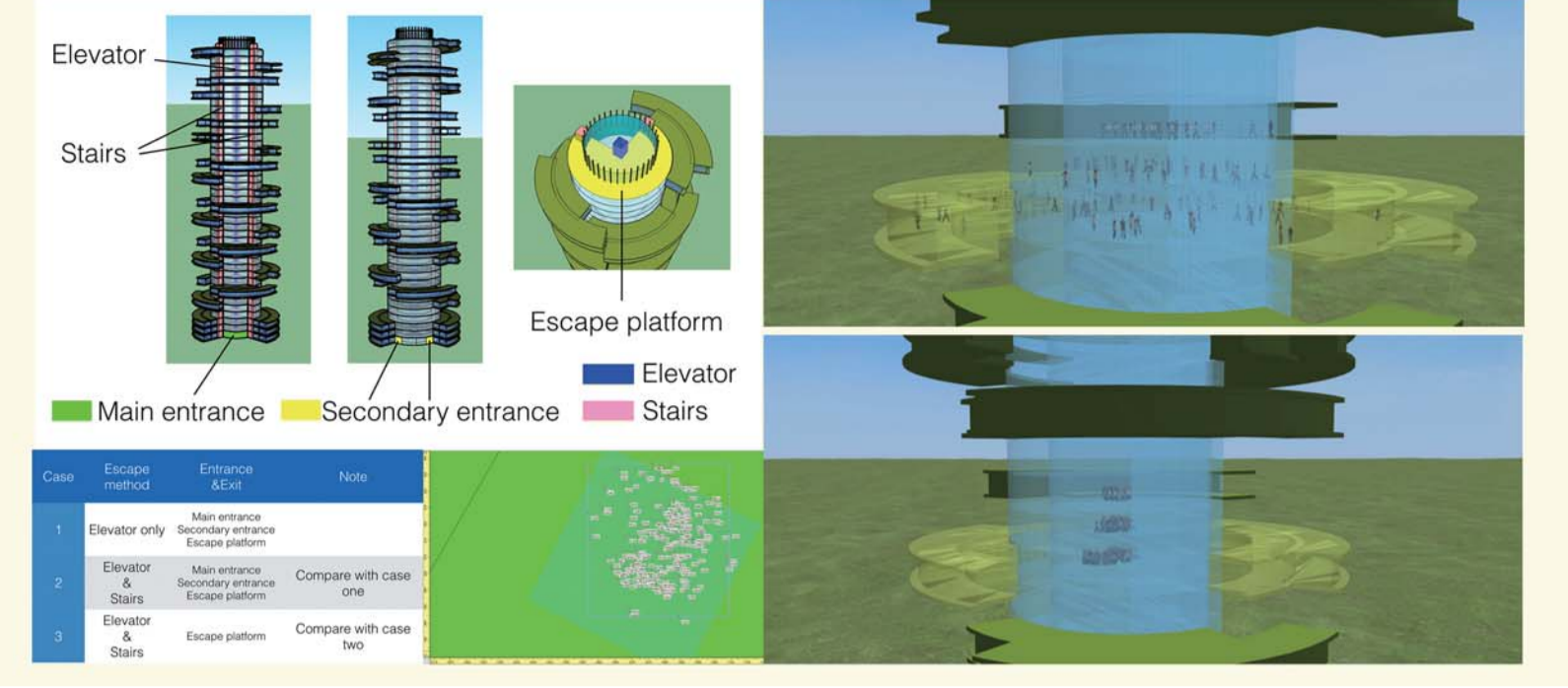
"Intelligent Building" is a dynamic building. Each floor can generate electricity through wind power, and use connected pipelines to transmit and share energy. There are two types of intelligent buildings, including transfer station buildings and residential buildings. The transfer station connects to various transportation facilities, while the residential building provides sharing of specific spaces.

Shareable Eco Network

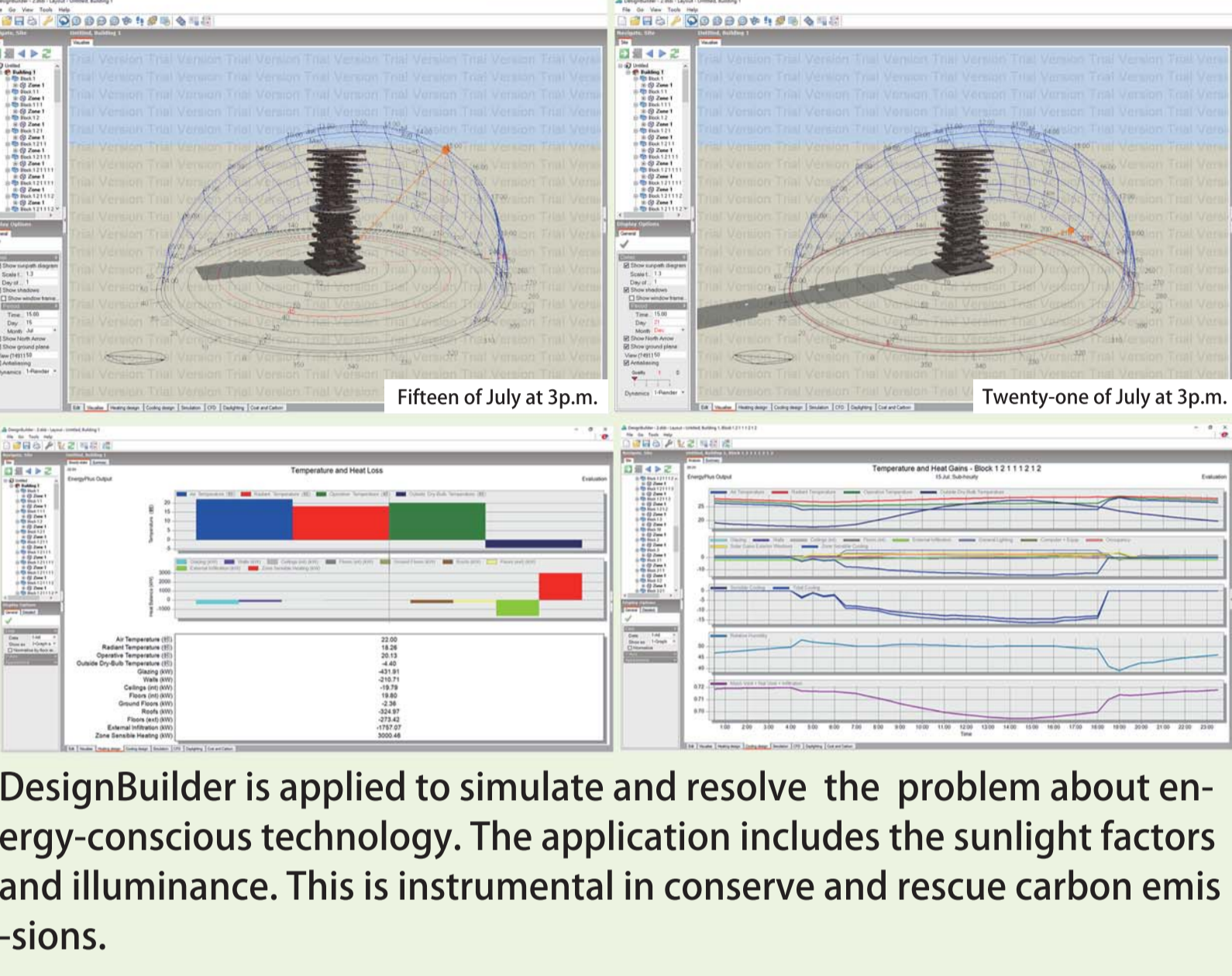


The green platform extending from the building floor can be connected into a green channel and create a shared green belt. The Green Belt provides a comfortable landscape and shared living space to achieve an urban ecology that is in harmony with nature.

Exodus and UC-win/Road with Exodus



DesignBuilder



DesignBuilder is applied to simulate and resolve the problem about energy-conscious technology. The application includes the sunlight factors and illuminance. This is instrumental in conserve and reduce carbon emissions.

Water Conservancy & Disaster Prevention



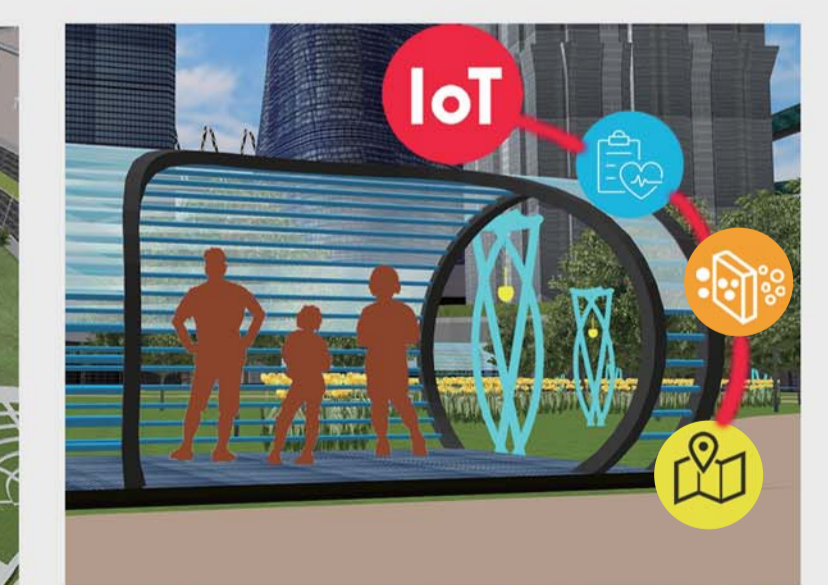
The green platform extending from the building floor can be connected into a green channel and create a shared green belt. The Green Belt provides a comfortable landscape and shared living space to achieve an urban ecology that is in harmony with nature.

Open-air Concert



"Open-air concert" facilitates interaction between the natural environment and human behavior. The reservoir combines rainwater harvesting systems with water conservancy facilities to effectively utilize and share water resources. This plan creates a space shared by human and animal and plant ecological environment.

Healthy Pavilion



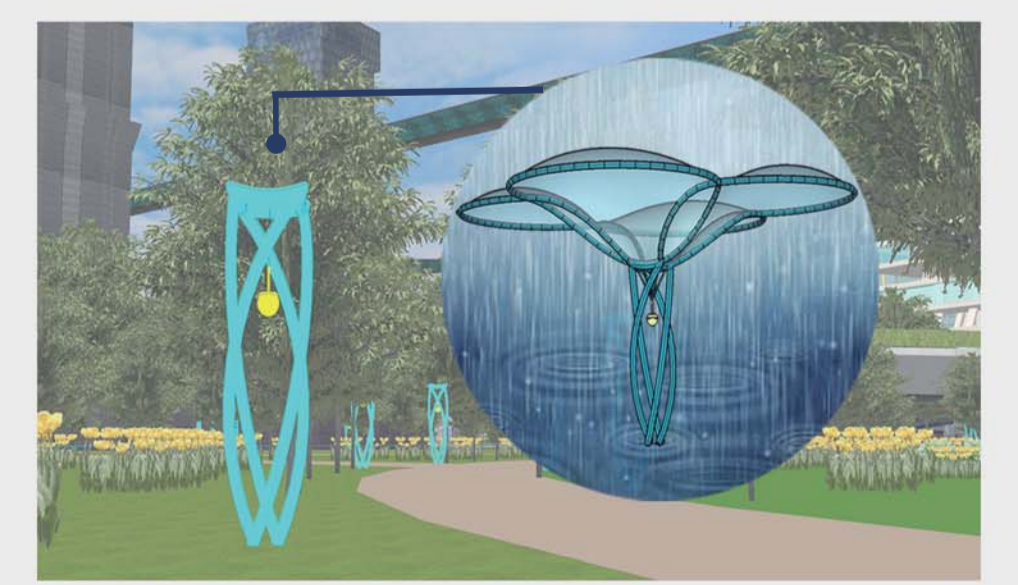
"Smart Pavilion" provides people with physical condition detection, clean air and traffic information.

Intelligent Lane



"Intelligent lane":
 1. The width of the lane can be changed according to the traffic flow. 2. The automatic electric vehicle can be charged on the road. 3. The supply station on the driveway will be equipped with function compartments, which can be connected to electric vehicles to provide shared functions such as restaurants, toilets, convenient store, etc.

Smart Lamp



"Intelligent Street Light" automatically opens the canopy when it rains, collects rainwater and shelters pedestrians from rain.