GREEN CAPILLARY VESSELS

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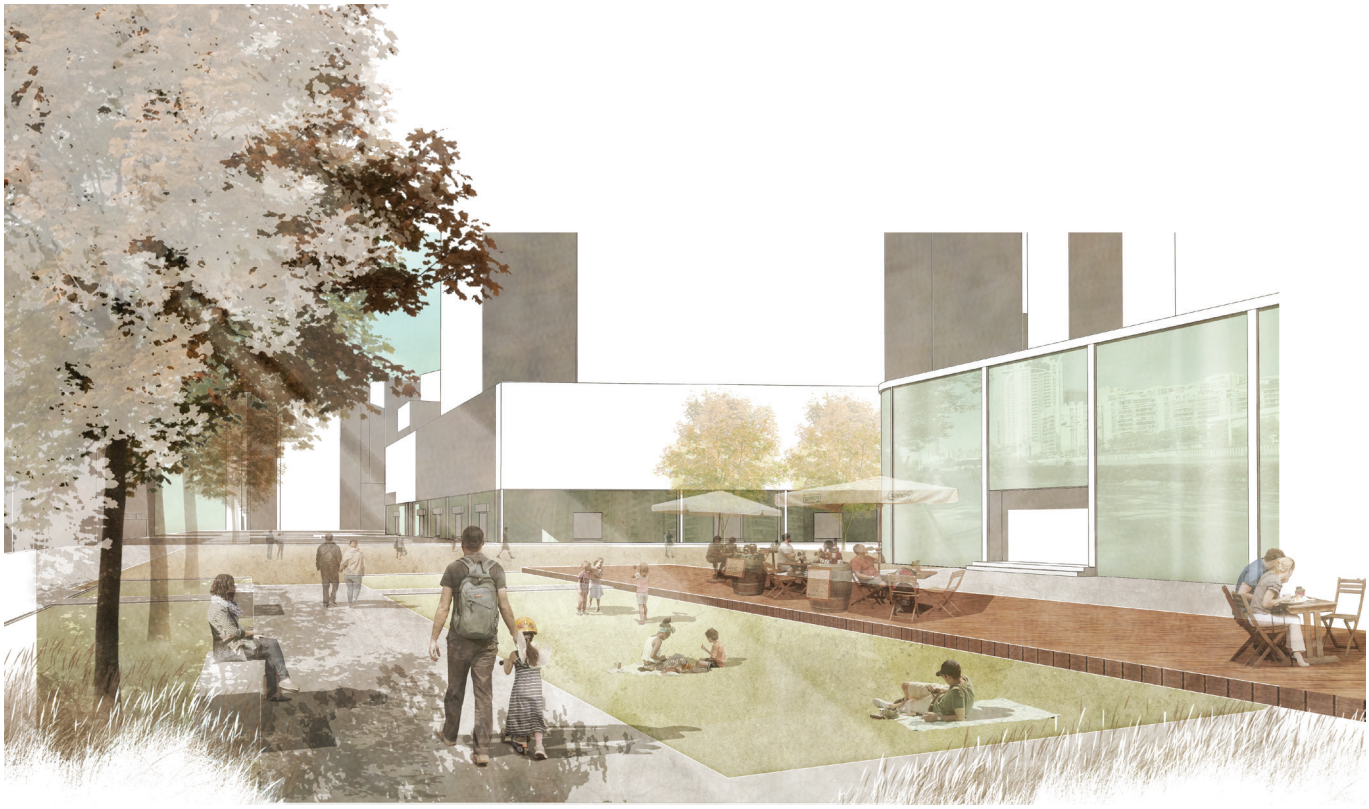
Master Landscape Architecture



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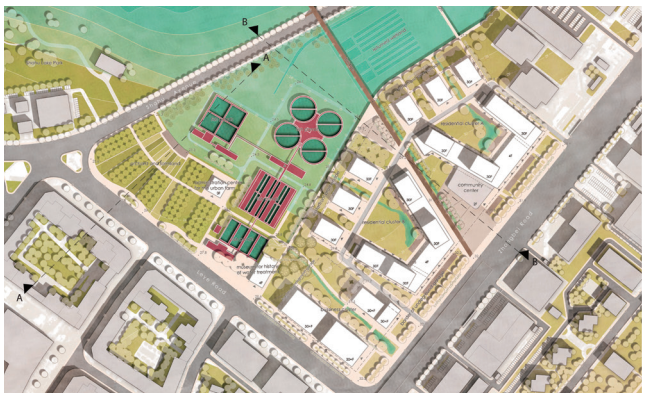
A green network built on site of former Shahu Sewage Plant in Wuhan

The Master's Thesis „Green Capillary Vessels" is based on the hypothesis, that a capillary-like landscape network with multi-layered ecological infrastructure system can be the solution changing the current dull image on the Zhongbei Road, transform the threats from waterlogging and flood into benefits and joining the fragmented landscape in clusters of different land use together. The landscape network shares the same pattern with capillary network: it has interweaved branches that stretch in between the site as well as link the dense urban axis and the lake, which could eventually form an integrated, continuous and harmonious landscape.

As a central component, a water management system is installed to improve the capacity of water resilience on site. Rain water and bioswales are installed to capture the run-off and lead the flow to the retention area which is transformed from the sunken terrain that would be easily flooded in storm and floods. The whole water network is permeable and allows infiltration to the ground water, and the vegetation could help slowing down the flow as well as purifying the water.

For the residential clusters in this project, an open and mixed-use style that encourage people to come out of their homes and have activities and enjoying urban life is good choice for revitalization of the region. In the proposed plan, the clusters is fenceless and the podiums of the residential towers are designed to be used in all kinds of way: cafe, restaurants, stores, shops, studio, offices and etc, and they are just next to the open spaces.



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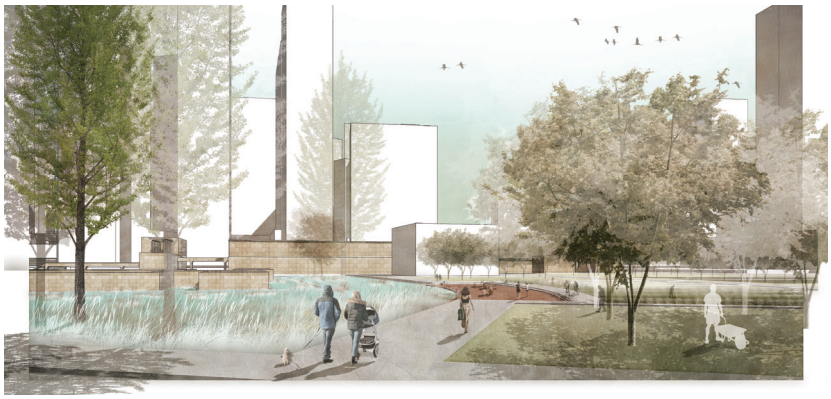

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1 View on the avenue
2 Layout plan
3 View on the self sufficient agriculture system