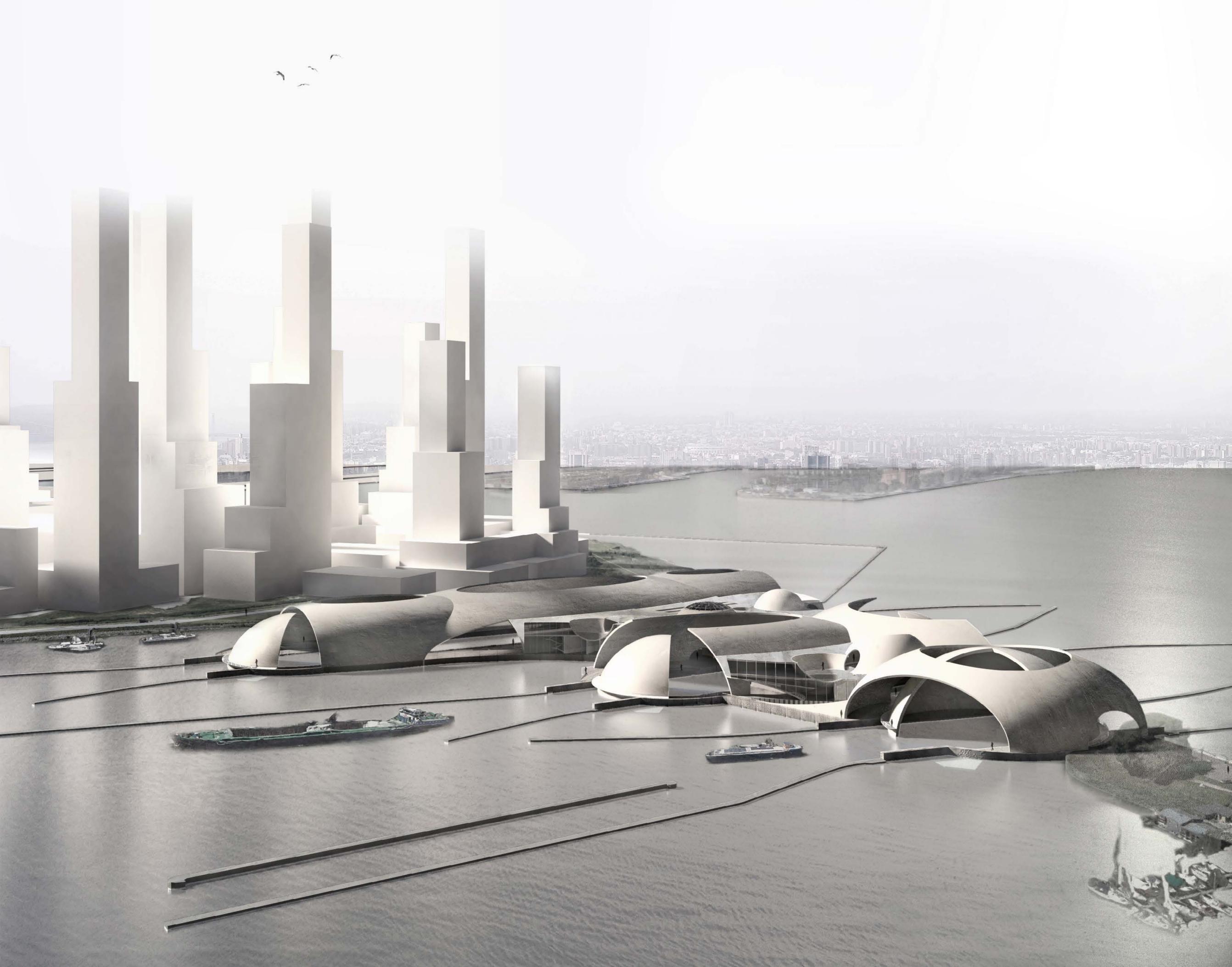
X I A N G Q I A N F E N G

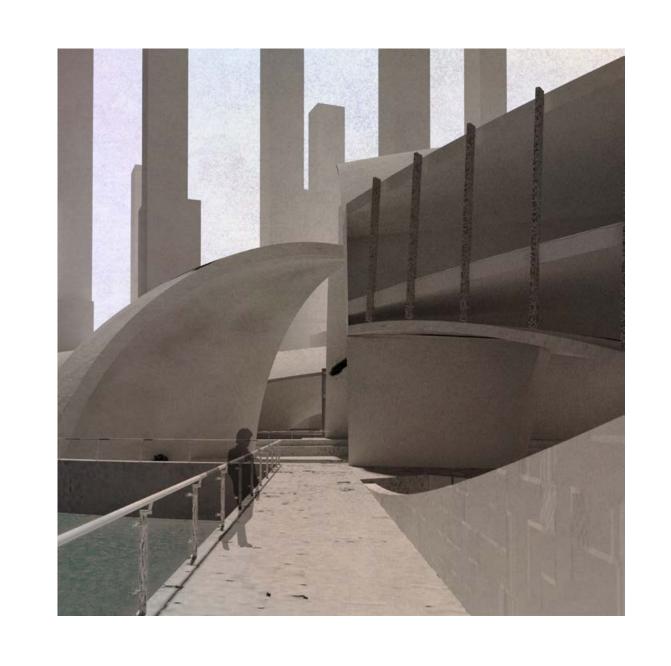




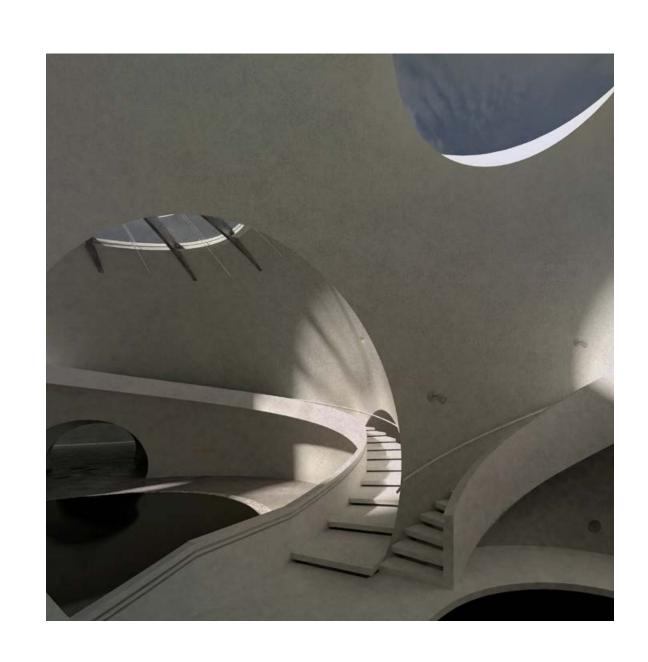








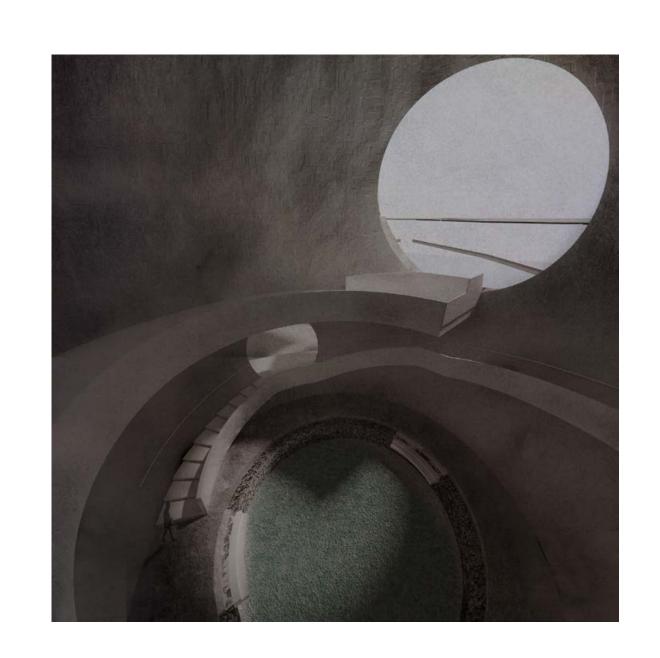










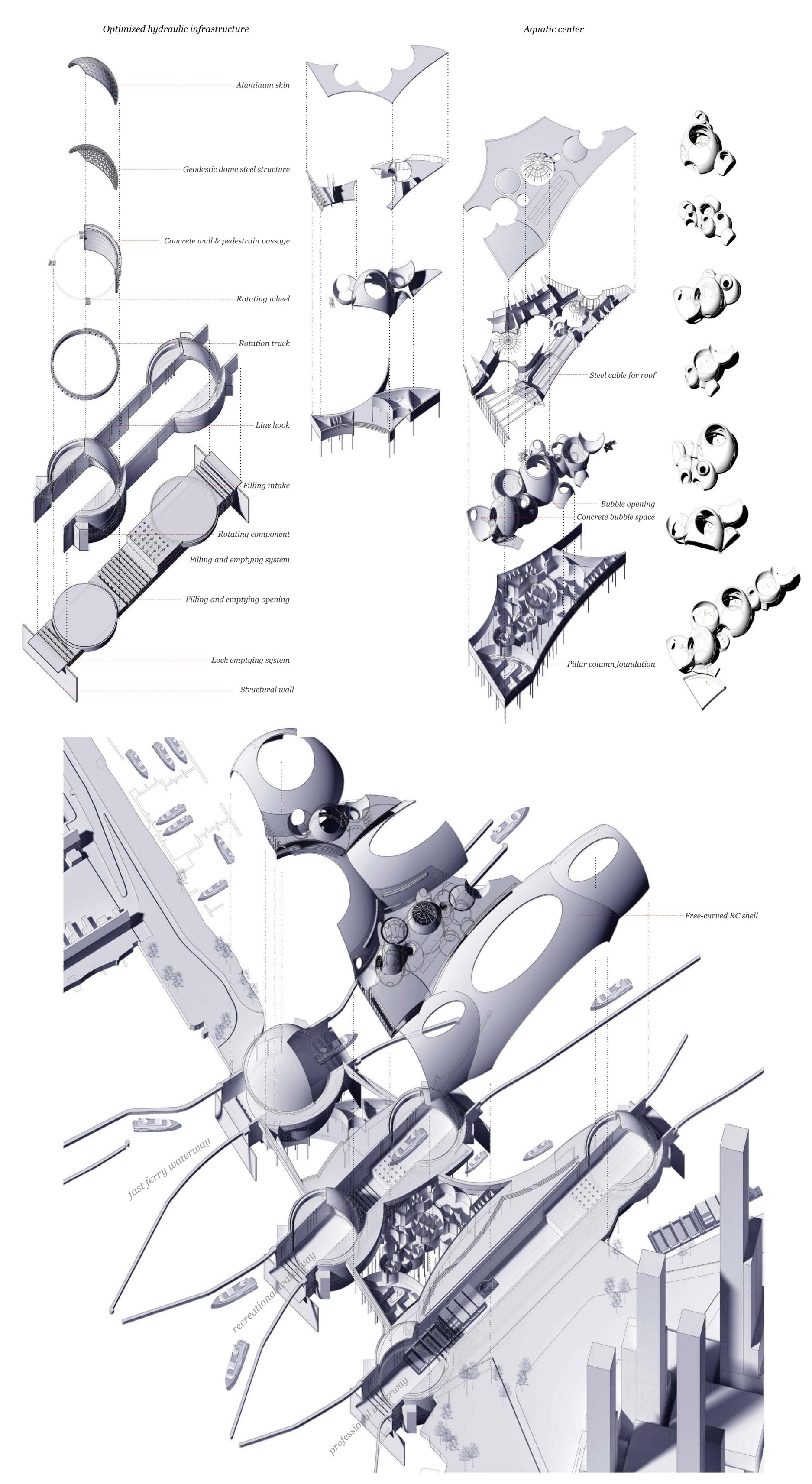




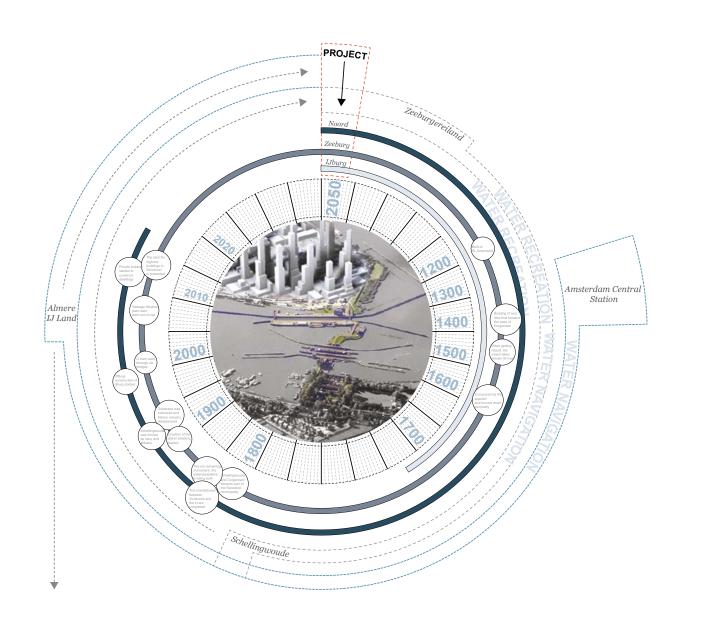


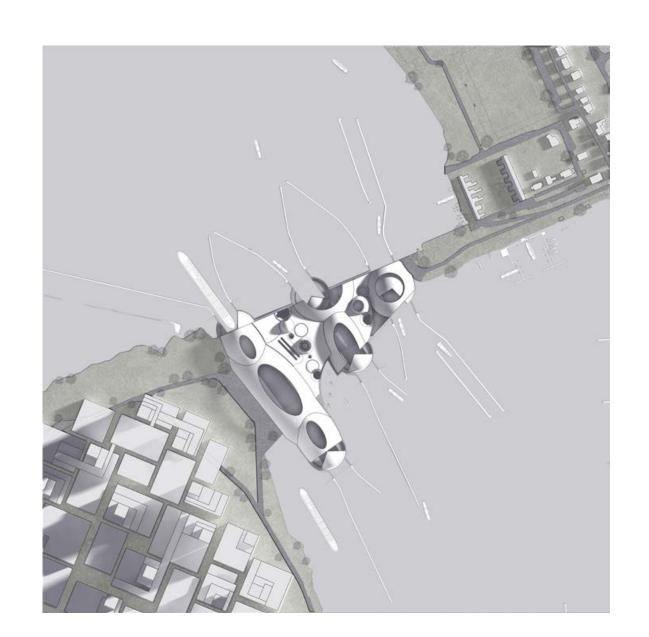


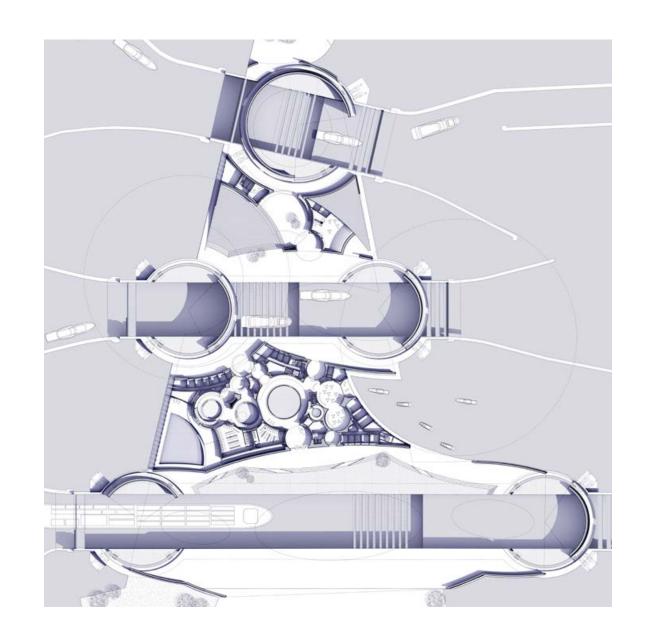
X I A N G Q I A N F E N G











## T H E L O C K

Integration Design of Architecure and Hydraulic Infrastructure

X I A N G Q I A N F E N G

Water lock built in the 19th century utilized grand structure to monumentalize the ingenuity of man. This project is trying to test the potential of transforming the traditional hydraulic infrastructure into a new water public space based on time horizon 2050.

As a physical connection for Zeeburgereiland and Amsterdam-Noord, it develops several crossing route. The mixing of the gates' rotation and people's movement on multiple scales changes the observer's perception of time.

As a crossing stop for boats from Almere to Amsterdam, it provides an additional waterway and redesigns the locking process. With boats approaching, the geodesic dome lock's gate begins to rotate. The effect of five large moving objects on the exterior is a temporally transforming facade.

In the interior of the aquatic center, sets of upright and inverted domes, capitalizing on the seemingly serendipitous intersection of these spherical forms, provides or shelter or open-public space for swimming. One recognizes the rhythmic and sequential of the space through movement. There is no linear sequence but rather collections of turning moments for discovery. moments for discovery.

