

FLEXISPACE

フレキシスペース



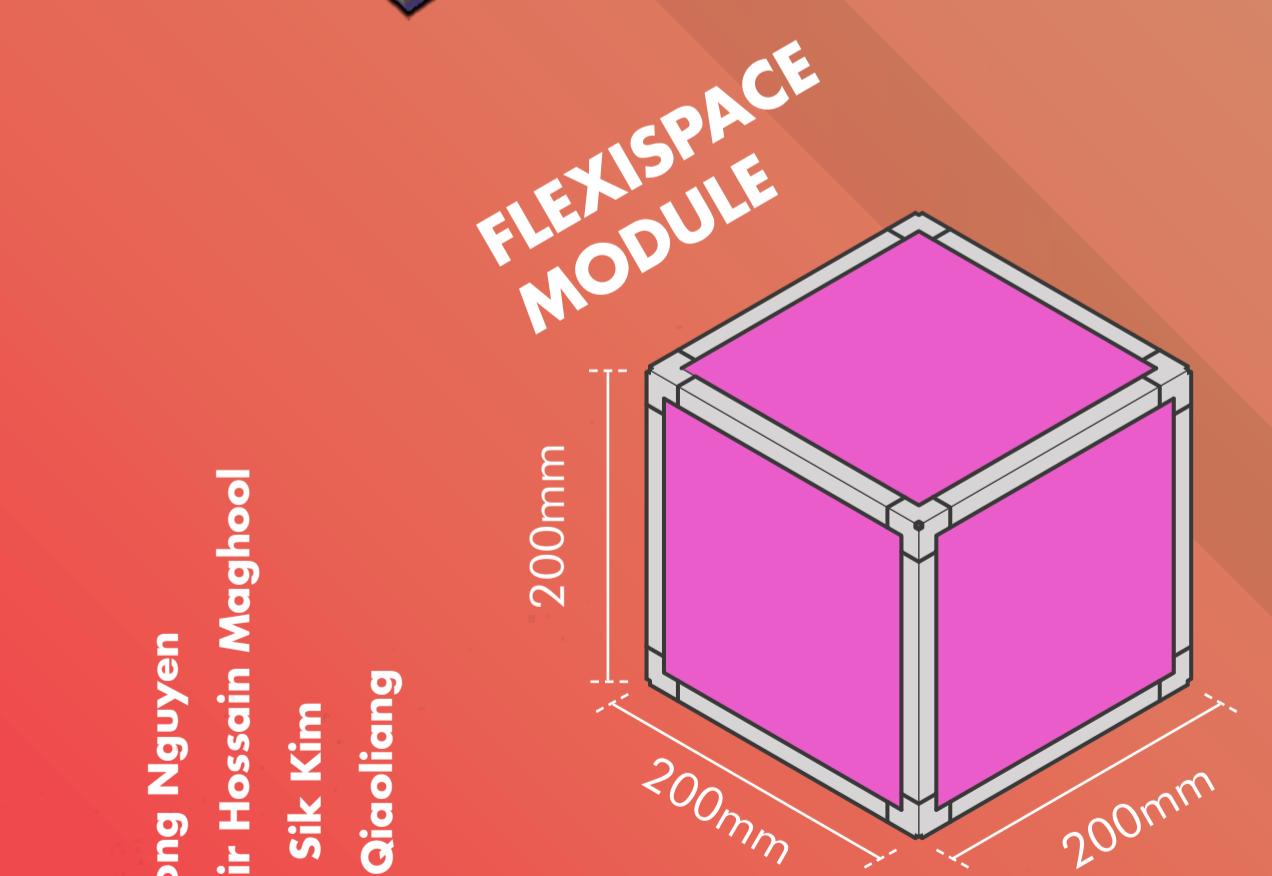
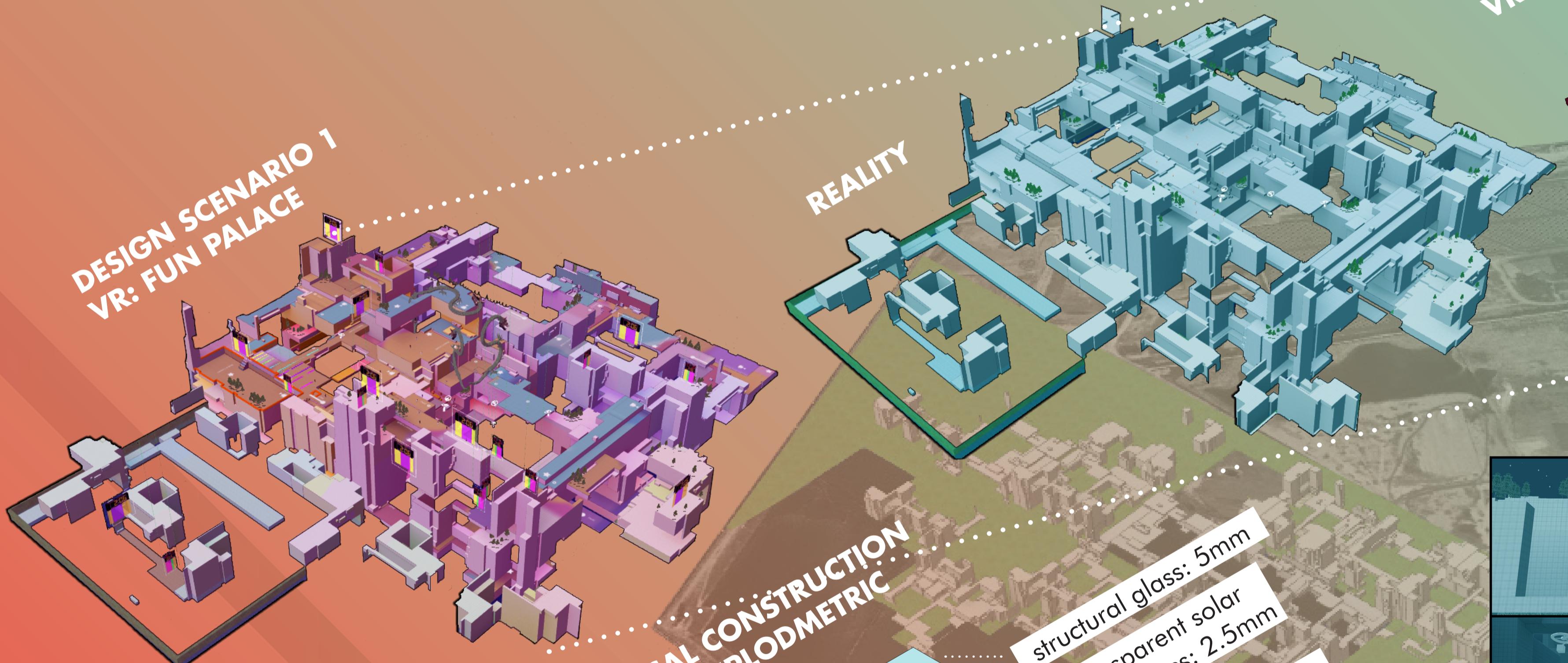
OSAKA, JAPAN

VIRTUAL DESIGN WORLD CUP 2019

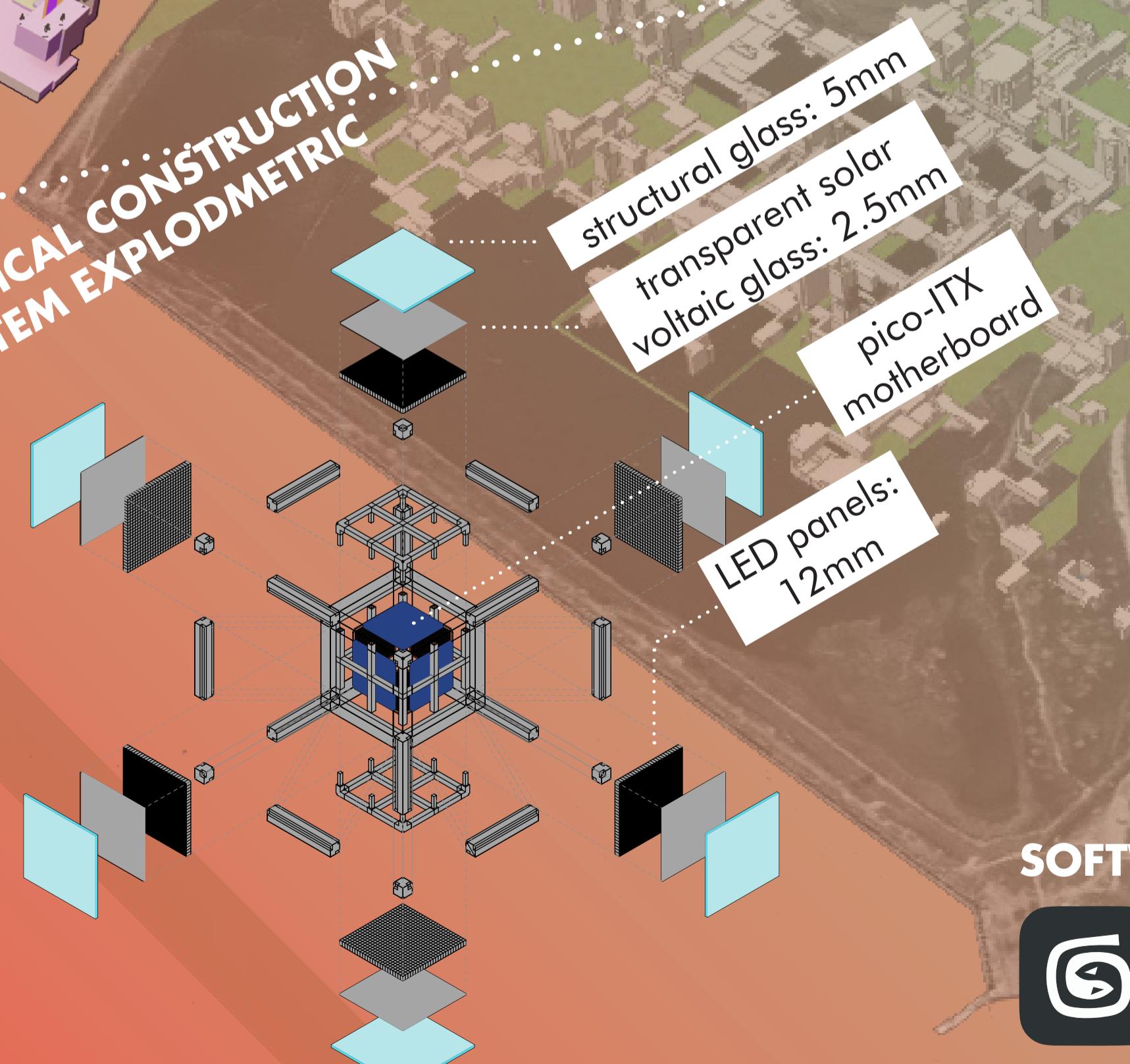
大阪、日本

abstract:

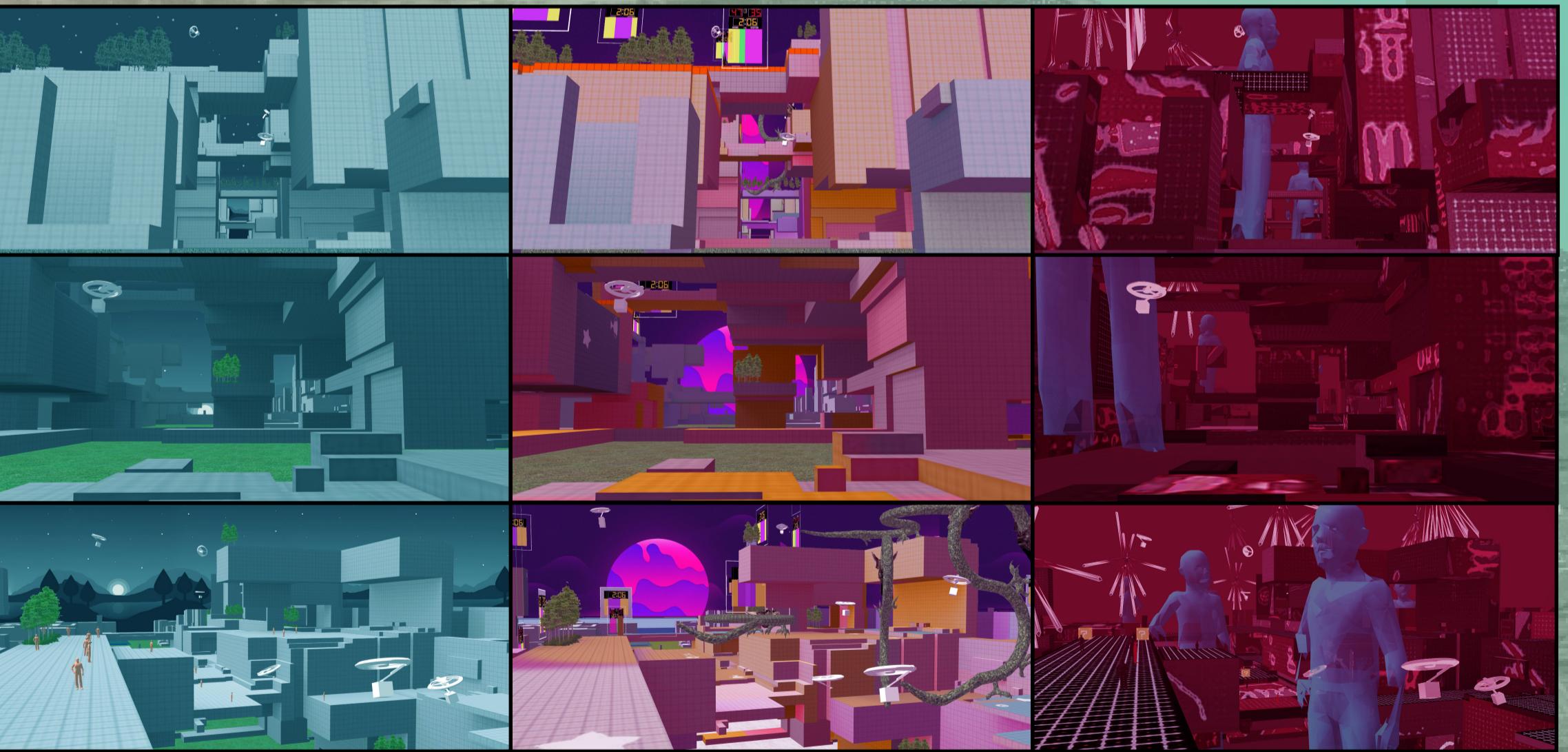
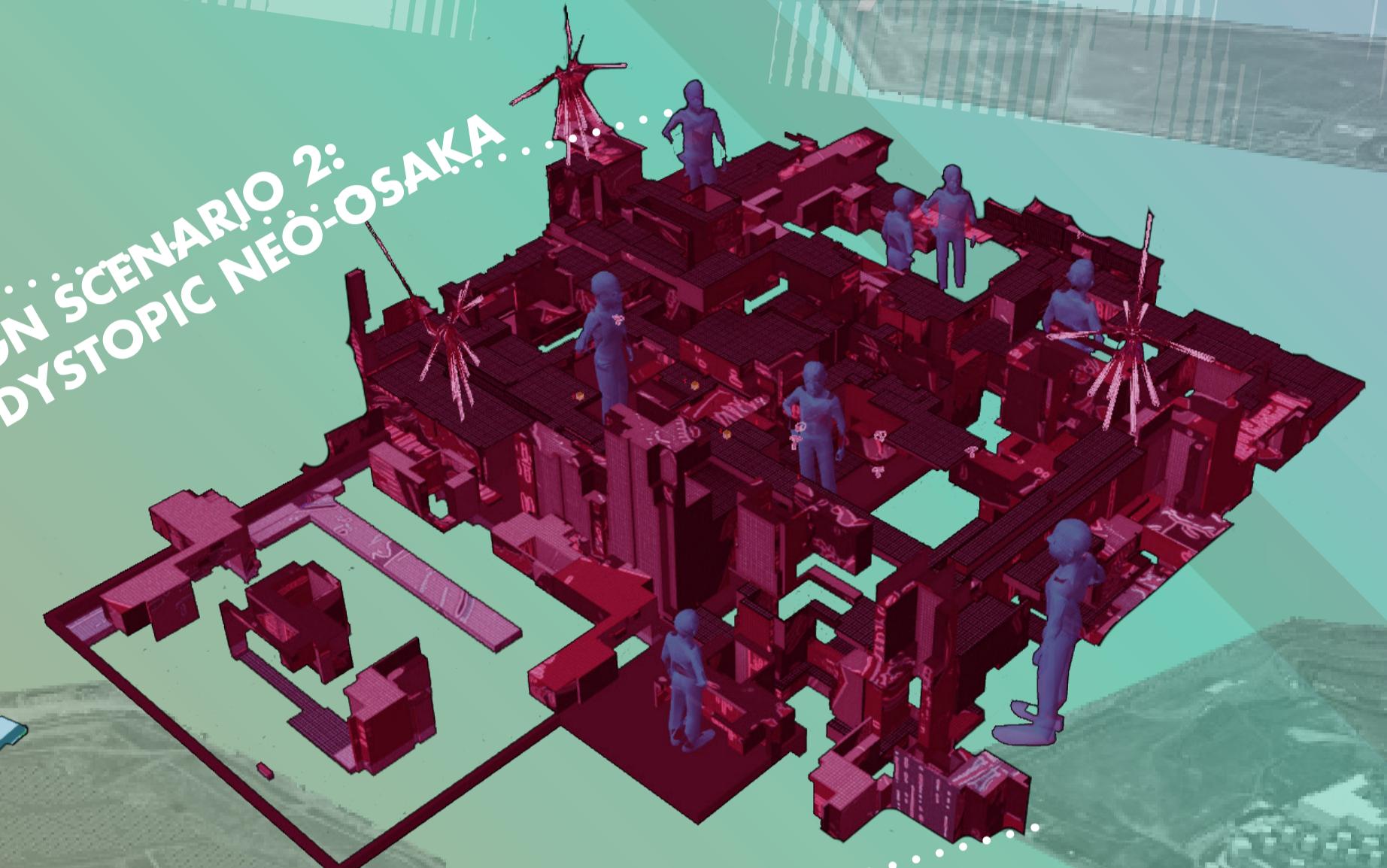
Flexispace is a mixed-reality, multimedia, voxel-based platform allowing for the design of flexible physical space in Osaka Dream Island for adaptive mixed-reality entertainment. The voxel-based platform allows multiple VR design scenarios to happen concurrently. Furthermore, with the aid of drones, the voxels enable Flexispace to continuously evolve and adapt to form various spatial structures to suit the design scenarios that ever respond to the users needs . Two possible design scenarios are showcased in this submission. Flexispace will provide flexible and tailored entertainment experiences to the visitors of the Osaka Dream Island.



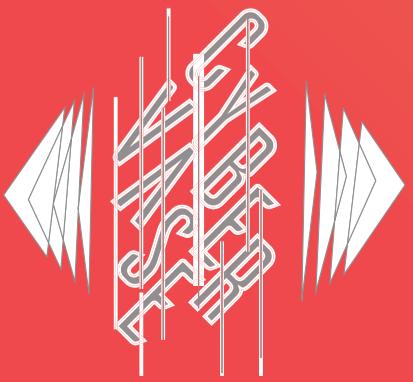
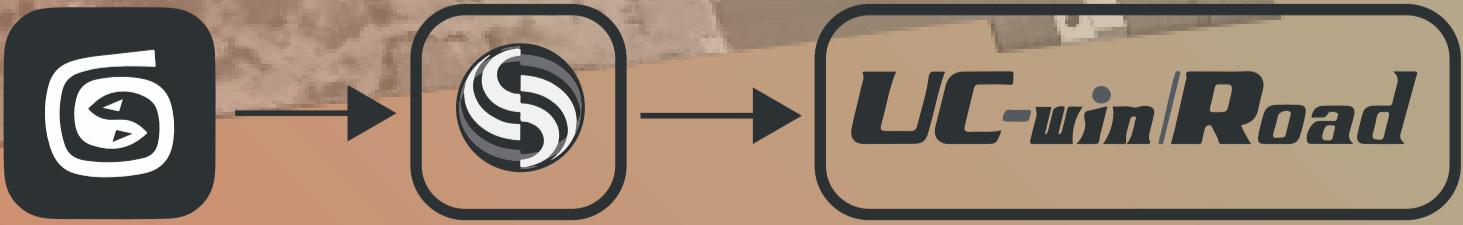
PHYSICAL CONSTRUCTION
SYSTEM EXPLORATION



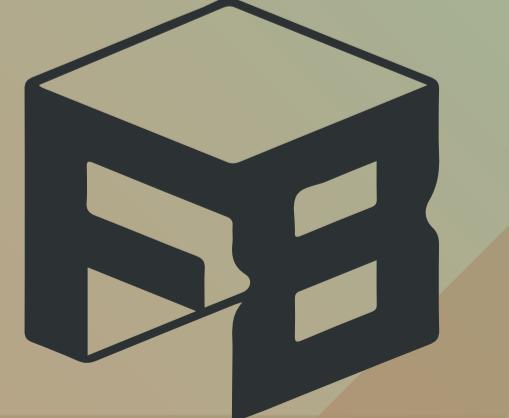
DESIGN SCENARIO 2:
VR: DYSTOPIC NÉO-Osaka



SOFTWARE DIAGRAMS



Duong Nguyen
Amir Hossein Maghool
Jun Sik Kim
Xu Qiaoliang



DIGITAL
ARCHITECTURE
RESEARCH
ALLIANCE