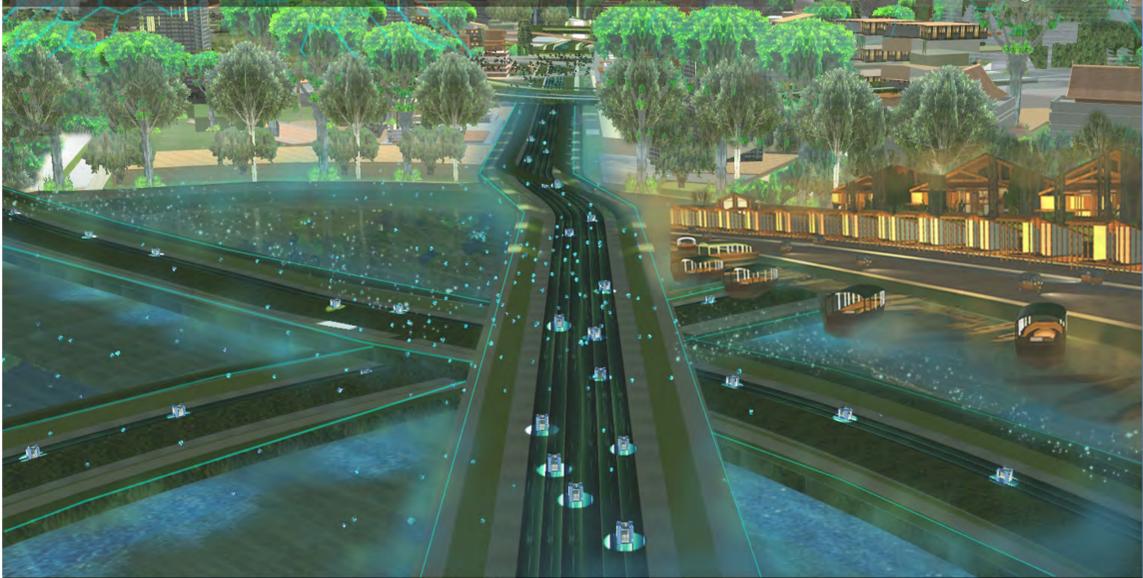


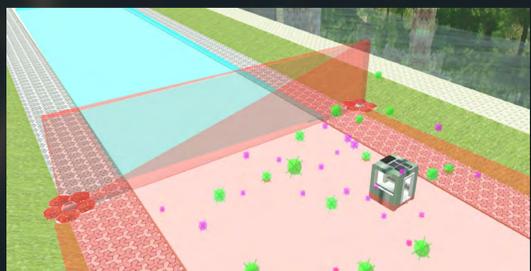
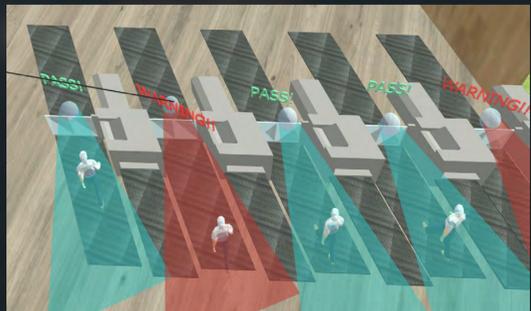
Rainforest Vein

The 10th Virtual Design World Cup



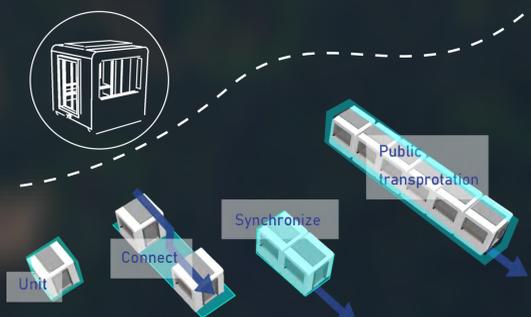
Epidemic Prevention

The protection procedure starts from customs, it will sanitize every traveler before any identification and documentation, which brings the possibilities of spreads from other countries to the lowest chance. Sanitizers in every automobile will active when people get in the car to ensure people would spread the virus through the surface from the unknown. Along the roads, there are Sanitizers scan and clean every passenger and vehicle pass by.



Future Transportation

In terms of transportation, all vehicles are autopilot and apply the same system and database. The new system optimizes the quality and stability by giving every commuter route suggestion after merging data of every means of transportation. During the driving process, small units can be connected into large units and form a mass transportation unit to increase traffic volume and the efficiency of the system.



Introduction

The new capital represents a coexisting space of humans and nature. On one hand, we use technologies, AR, VR, IoT systems to improve the quality of life in the city. On the other hand, as a reserve, many parks and nature preserve as possible to minimize the harm of city development. In the city, we connect buildings through many footbridges for people to interact and communicate more. The new capital is divided into three different levels, downtown, 15-min distance village, and forest village, which create various lifestyles of the city.

Design Concept & Urban Planning

The vein is blood vessels that carry blood towards the heart, in other words, connect every part of the structure and bring them together. We embody this image in our new capital transportation system and the relation of every portion of the city. In the end, the city as vein travels through the rainforest and become a mediator between human and nature.



Forest village
The village at the end of the vein is the furthest away from the city center. The housing density is the lowest and the population is relatively small. There are no tall buildings, and the original features of the rainforest are preserved and coexist with nature.

15-min distance village
Located on the side veins, each has an independent community. There are schools, markets, social welfare institutions, etc. in the community, and life is simple and accessible. When faced with emergencies such as an epidemic, it can also maintain life operations.

Downtown
Located on the main rib of the leaf veins, it is the main economic, cultural, and political area of the new capital. There are elevated walkways of different heights in the city for pedestrians to walk, and vehicle traffic is also semi-underground to protect pedestrians. Tall buildings coexist with the existing tall trees of the rainforest, presenting the uniqueness of the rainforest city.

The port area
The port area is the gateway to the new capital, responsible for transporting passengers and cargo. The direction of the estuary is adjacent to Bali Baban and other Indonesian islands. Sea transportation is extremely convenient, and the first quarantine work after entering the customs is also carried out here.

Sustainable Life

The new capital takes both humans and the environment as a priority concern. The city will realize the thoughts by using kinds of renewable energy and algal biofuel to provide electricity to the city, create a clean and comfortable living space for dwellers meanwhile leave minimal harm to the forest, we want to use the concept of the circular economy to create an intelligent energy system.



Traditional Culture

Without a doubt, Indonesia contains abundant history that builds an irreplaceable and beautiful culture. Among them includes their intelligence of housing. Thus, we emerge and re-transformed the traditional houses such as local tall houses, water markets, and Mosques in the city, hoping to create a future city symbolize Indonesian culture and entertainment.



MAAS



Mobility as a Service (MaaS) is a new concept of transportation integration service. The design of the new capital combines the MAAS system with epidemic prevention measures, and analyzes the best traffic routes and the most suitable means of transportation through big data, and avoids dense crowds. In addition to the effective use of resources, it also ensures that people are safe in the course of transportation.

Assume: Escaping from the TOP floor (accommodating 1000 people)

Case	Evacuation method	Entrance and exit	Remarks
1	Elevator & Stairs	Top Floor	
2	Elevator & Stairs	Middle Floor	Compare with case No.1
3	Elevator & Stairs	Ground	Compare with case No.2

EXODUS

