THE CONNECTION

Introduction:

Pudong driving force of Shanghai’s economic and social development must be prepared for the future extension of Shanghai into it. In order to achieve this, we devised a strategic plan to connect to show its preparedness for the growing world and city in development and to counter the discomfort caused to the citizen in transportation for the upcoming millennium. The connection aims to connect to the present transportation centers for upcoming and new transportation to create a hub of transportation network integrated into the city and monitoring it with the latest IoT technologies and prevent minimum discomfort and congestion for meeting transportation demands. The Connection helps in maintaining ecological balance in a fully self-sustainable transportation network.

Why The Connection?

Transport-Oriented Development (TOD) embodies society’s desire for vibrant, livable communities that are compact, walkable, and centered on high-quality transit systems that enable residents to live, play, and work with less dependence on cars. Transportation systems well-designed, well-connected, easily accessible, multi-modal, and integrated into the fabric of their environments are an essential part of prosperity and sustainability for all cities. The approach to transportation systems seamlessly integrates architecture, infrastructure planning, and urban design to create healthy, efficient, and inviting environments.

PDONG SEAPLANE TERMINUS:

At present, the fastest mode of transportation is airways, to connect Pudong in the future the Huangpu river plays a key role which helps in landing seaplanes. To make this place functional, Pudong seaplane terminus will manage seaplanes between Pudong & airport easily. This helps in connecting Pudong in the world. The seaplane terminus has access boats which connects to Yellow River’s Pudong district. The seaplane terminus also has access to water taxis which connects to local parks of the Huangpu river. Pudong seaplane terminus can handle clinics on LARGEST Airship Aircraft, Kitty Hoo seaplane, Uber Air taxi, UAM small scale speed boats. Terminus consists of tourist office, restaurants, ticket booking, hotels, & office with sustainable resources.

PUDONG TECH HUB TOWER:

The Pudong tower is a state of architectural masterpiece of modern design. The design of tower is very much simple but quite functional. The hexagon structure acts as both aesthetic and functional by combining them forms an earthquake resistant structure which helps in less damages at the time of earthquakes and less damage to the building. The Pudong tower acts as a multipurpose building with shareable office spaces for upcoming startup business just like a startup hub. The Pudong tower is designed in such a way that it could accommodate user on every 5th floor for the faster transport of people from the heart of the city with ease.

MODERN PUDONG BUS STOP:

This well furnished five stop consists of solar panels & greenery on the top surface which helps in reducing heat. It has vertical shareable bicycle parking, reduces lot of space. These bicycles store kinetic energy in a battery when a passenger rides the cycle. The stored kinetic energy helps in generating clean & green energy.

TRANSPORT Hub:

Features of Pudong Hub: Pudong Hub is an air transport center that connects to surrounding development and lines 2 and line 14. It provides unique retail shopping and dining experiences. It will support all modes of road and rail transport systems with a future extension of air transport through Uber Air.

Featuring City Park, a 4.85-acre rooftop public park. The 861-foot-long elevated linear park will include a variety of activities and amenities, including an open-air amphitheater, gardens, trash-free green areas, children’s play space, has well as a restaurant and café.

Featuring the Great Hall, which will include an information center, ticket kiosks, automated ticketing, and the main escalators.

A beautifully designed exterior façade which would soon be a tourist hotspot.

Use of passive led light which would calm down the mood of passengers for a hassle free travel and helps in crime and violence prevention among individuals.

Conferencing halls for conducting meetings by various other firms.

Terminals for people for their short stay to Pudong financial district.

Light Column:

Featuring two well designed dramatic Light Column, which will add natural daylight and fresh air into the Transit Hub. It’s more functional than its aesthetics. It is designed in such a way that it collects the rain water and feed water in case of natural calamities and sends it to the flood reservoir and prevents in stagnation of the station below and allow it to work in full capacity for in times of need.

SOFTWARES USED

UC-miniRoad