01 IDEATION

Project PLANE-X

Site Background

The site of interest is the plane spotting site in Changi Business Park (CBP). The site features a pavilion in the middle for people to use, with a road going around it. Despite being one of the only purpose-built areas in Singapore for planespotting, the place there is severely underutilised.

Due to the presence of a large tree blocking the view from the pavilion, plane spotters often opt to take photographs from the nearby field, where they can capture the full descent path of the aircraft.

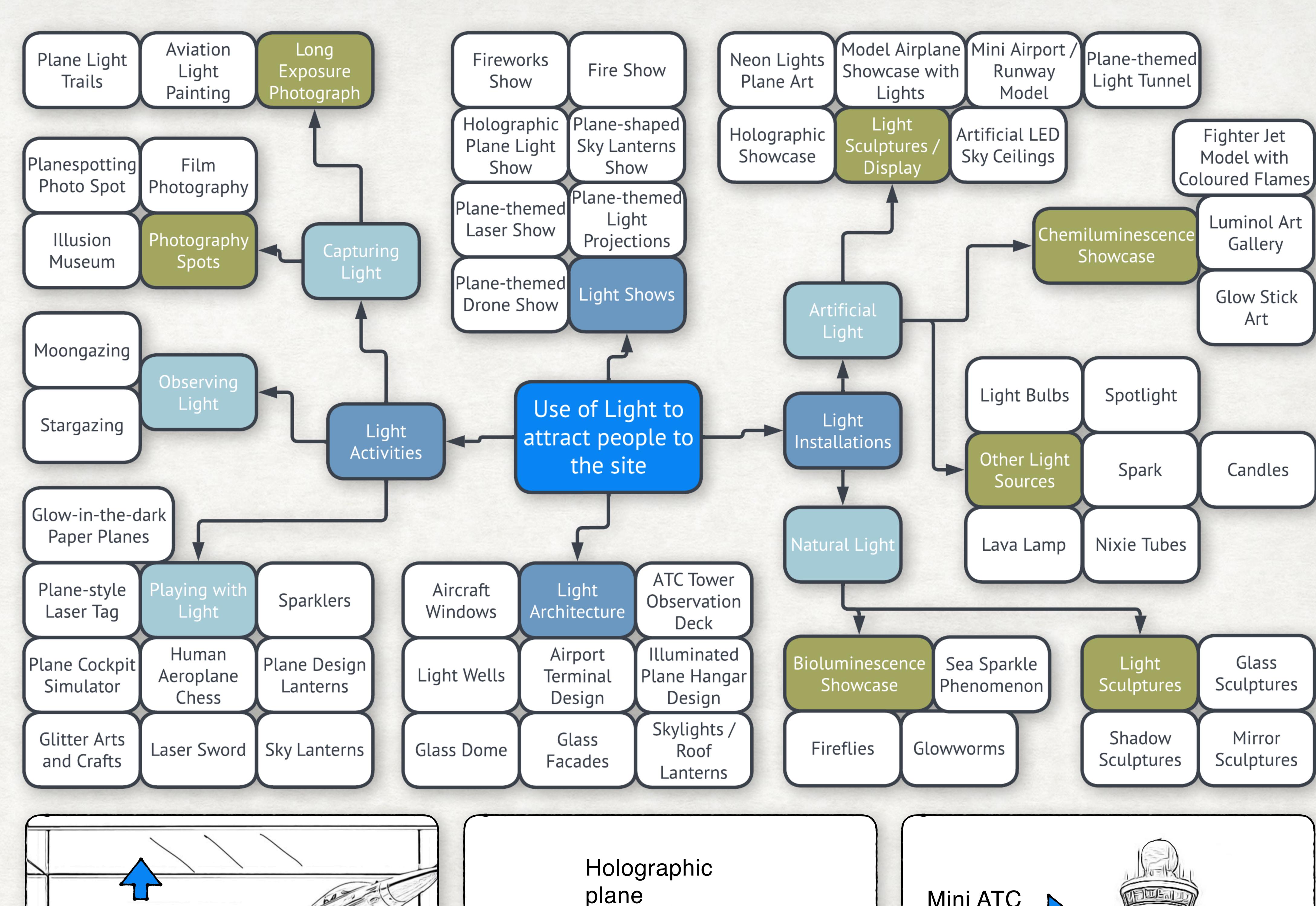
Meanwhile, the pavilion is poorly maintained, and is not interesting enough to attract resting drivers and joggers. The design of the pavilion also does not provide much shade for people, leaving the site exposed to harsh sunlight and weather conditions.

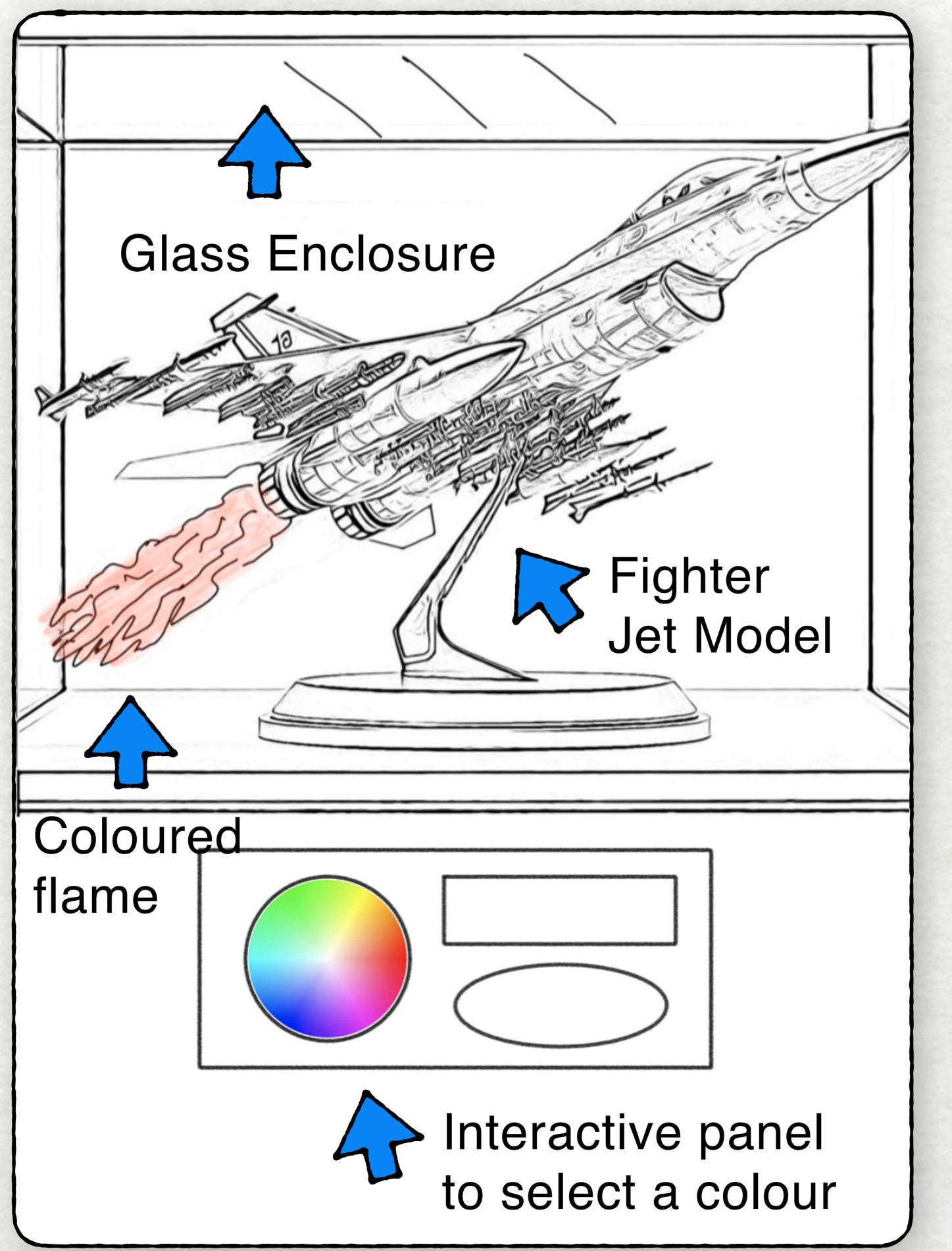
The Vision of the Site

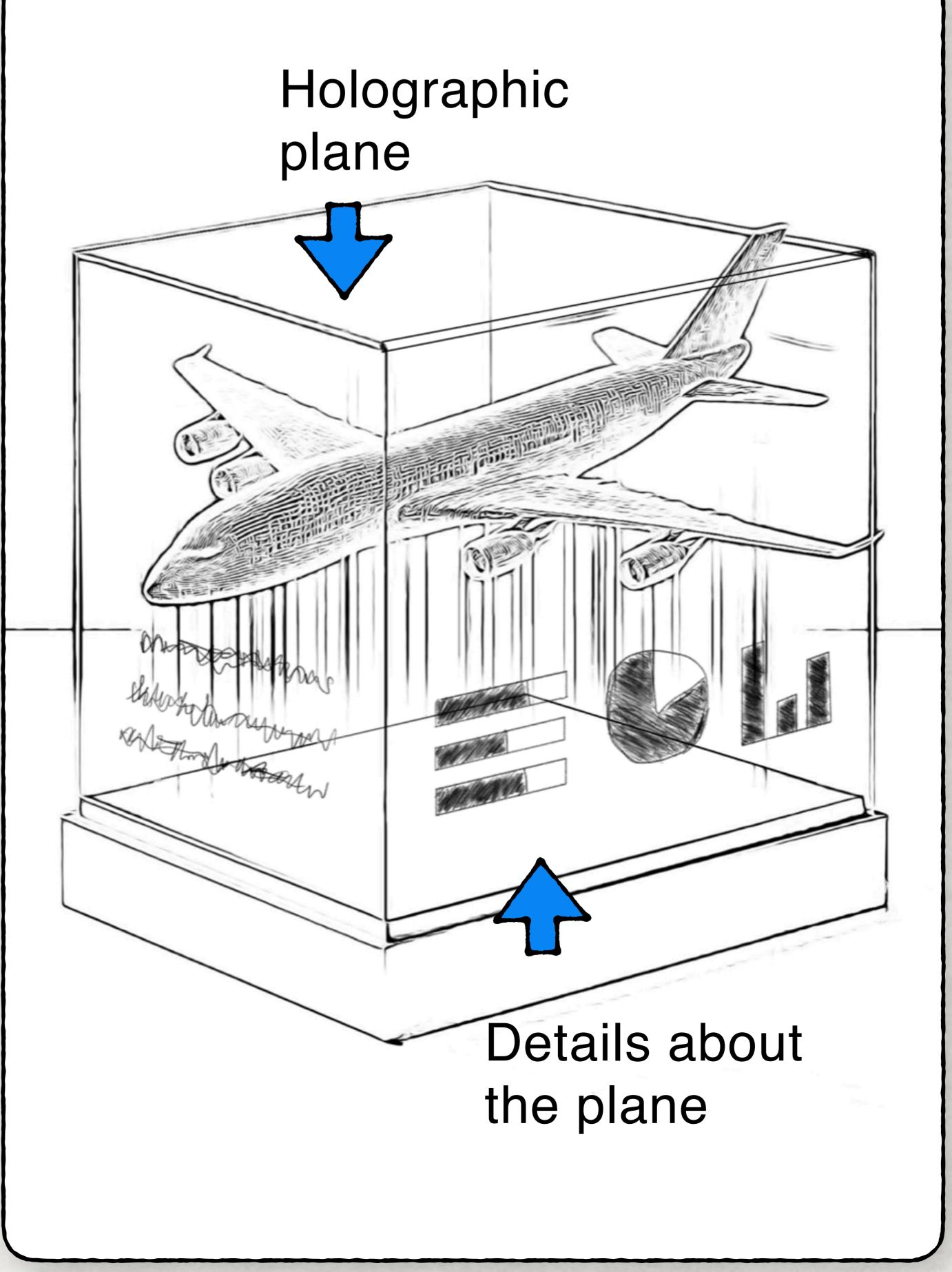
URA's vision for the Changi Region is for it to be a "vibrant live-work-play-learn ecosystem", with the CBP district as a centre of innovation for freight transportation and aviation industries.

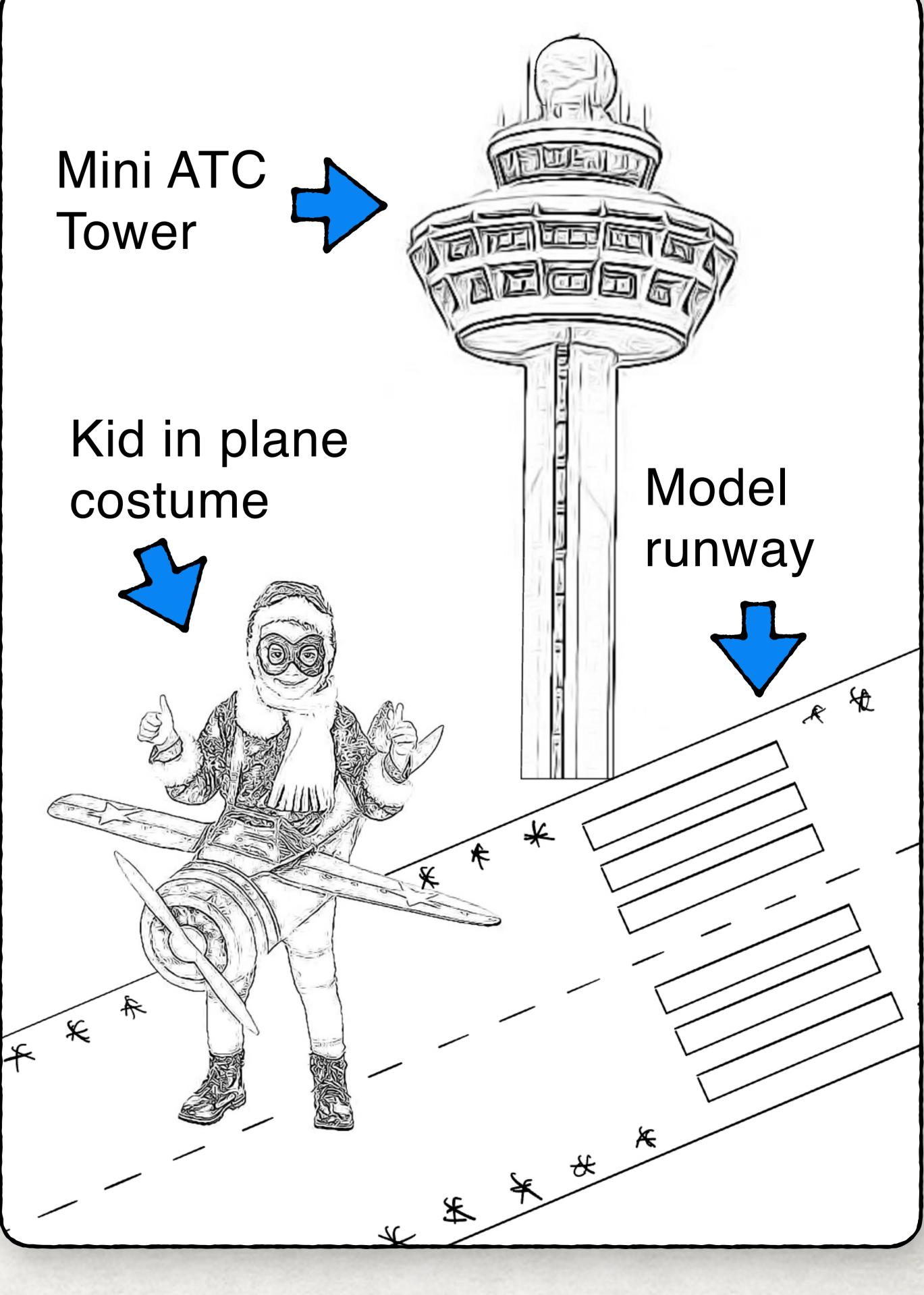
Design Goal

Together with Glow 2.0's focus on inspiring social interaction through the use of light, our design goal is to create designs incorporating light to provide an incentive for all groups of users to gather and interact in the currently underutilised area.









02 THE VISION

PLANE-X

A plane experience centre filled with many captivating activities, exhibits and experiences for everyone to enjoy and bond together with.

Planespotting Site

Planespotting site retained for avid planespotters to use. New observation binoculars installed for people to spot the landing planes, free of charge.

Aircraft Windows

Windows are designed to look and function like those on planes. Automatically dims to control the harshness of sunlight during the day.

Model Runway

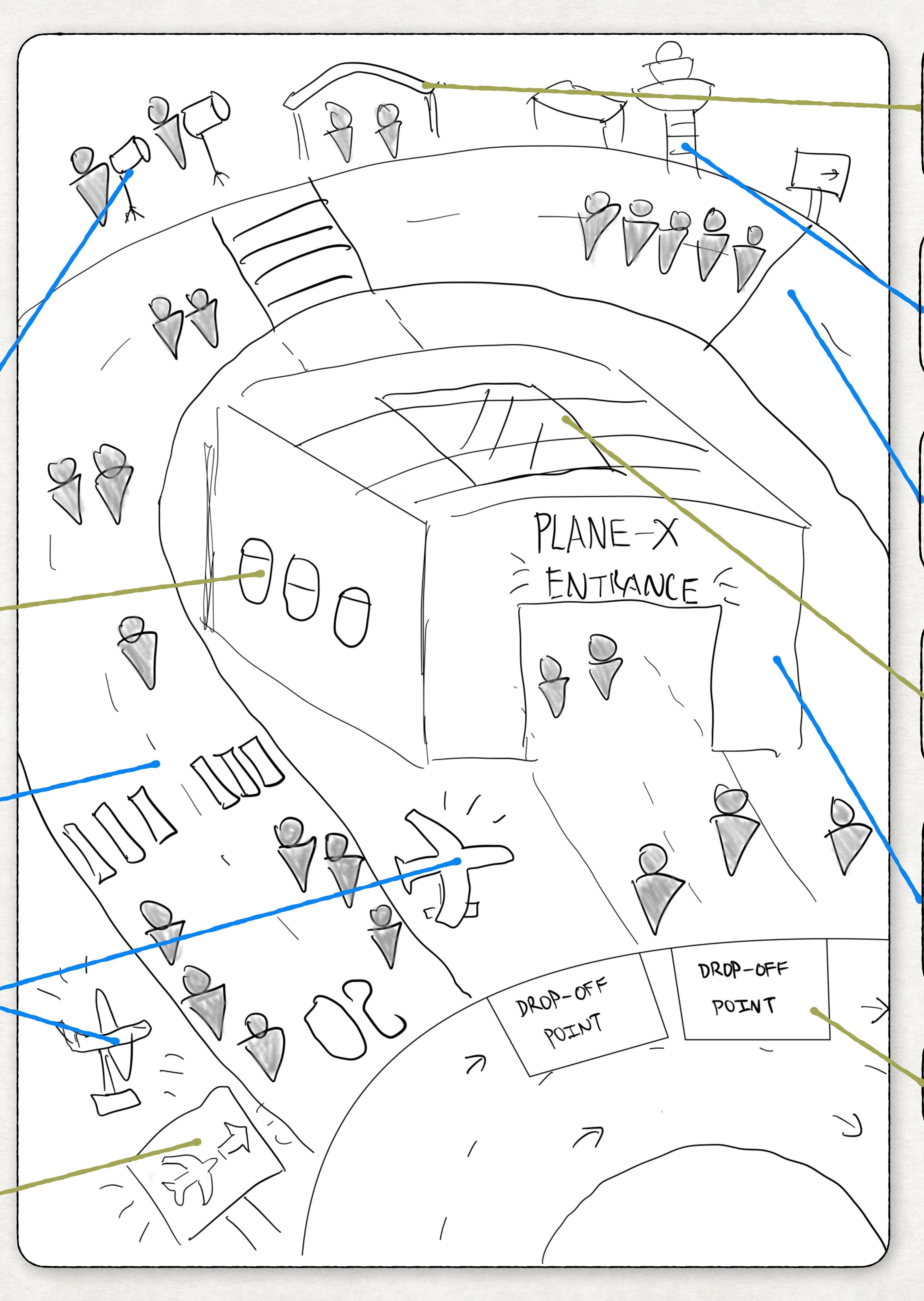
Road previously for cars converted into pedestrian walkway, modelled like a real aircraft runway. Great place for kids to play.

Light Sculptures

Captivating art sculptures of planes incorporating glass, mirrors and shadows. Reflects light from the sun in the day and lit up brightly at night. An art enthusiasts' dream.

Neon Signboard

Intriguing signs made using neon lights encourages people to enter the area and explore.



Mini Plane Hangar Shelter

Sheltered areas designed like mini plane hangars will be distributed around the site, for people to rest in.

Mini Airport Model

Smaller-scaled models of Changi Airport, complete with ATC tower and terminals. Lights up brillantly at night.

Paper Plane Runway

Activity area where people can create glow-in-the-dark paper planes together and test their flying abilities.

Smart Skylights

Skylights allows natural light to enter during the daytime. Automatically dims to control the harshness of sunlight.

Plane Hangar Design

Design of main building is inspired by a plane hangar with modern touches. Showcases many plane tech, experiences and exhibits inside.

Drop-off Point

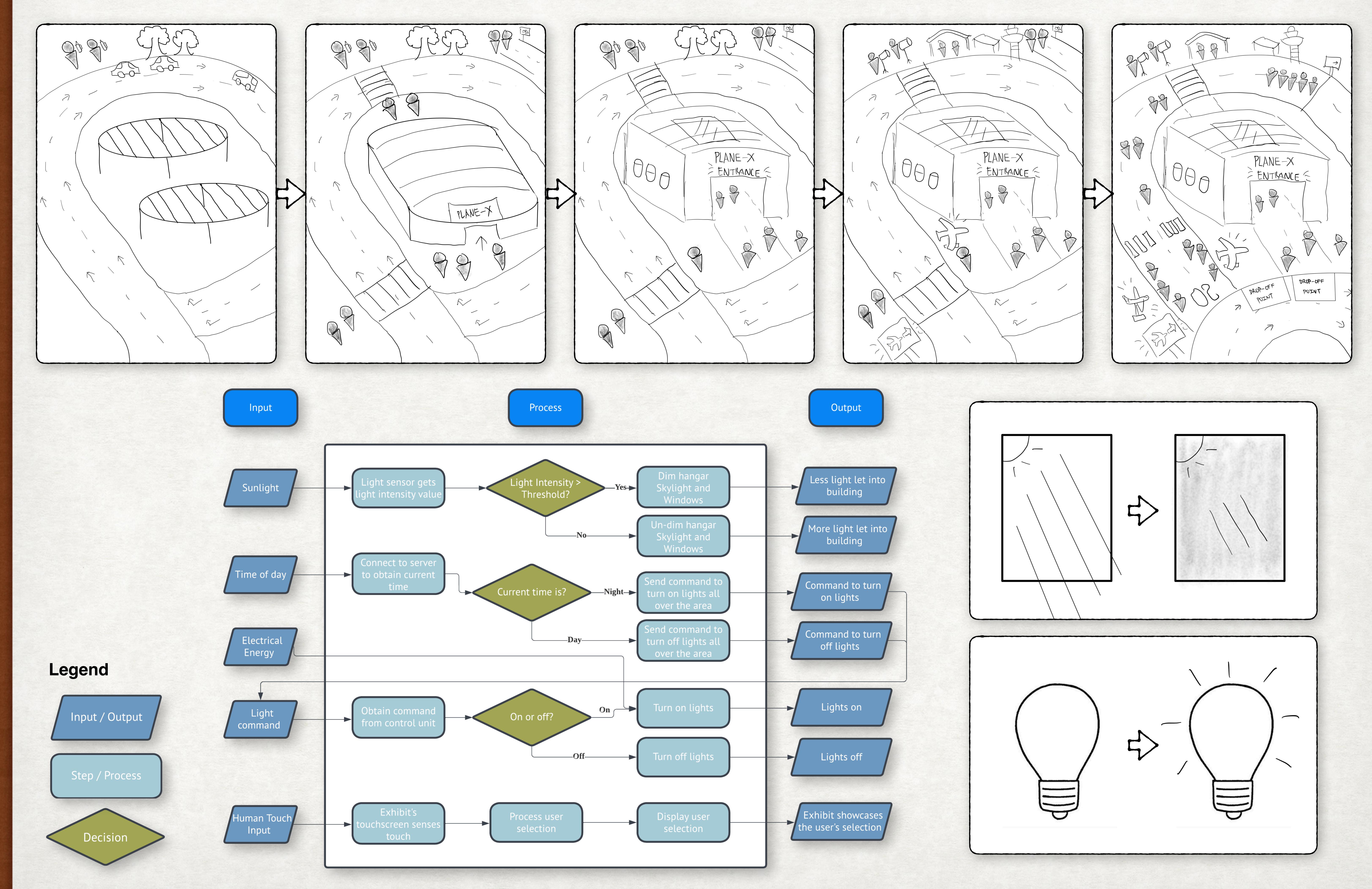
Road and drop-off point for cars and shuttle buses.

Legend

Activities / Exhibits



03 ITERATIONS AND FUNCTIONS



04 STORYBOARD



- A mother sees an article about the newly opened PLANE-X plane experience centre and is intrigued.
- She suggests to her family to go check out the place later in the afternoon.
- Luckily, they live near a bus stop where the free shuttle to PLANE-X stops at to ferry people there. They hop on the bus and proceed there.
- After arriving, they are amazed at the different activities and exhibits there.
- They enter the building and explore the different exhibits. It is the little girl's first time seeing a hologram and she is mesmerised by it.
- An interactive plane game captures the girls attention and she immediately dashes ahead to go play the game.
- The family exits the building and takes some photos at the light sculptures at the outdoor area.
- The family engages in the paper plane activity together, while observing the planes landing at Changi Airport in the background.
- It is late already and they had a fun afternoon at PLANE-X. They decide to leave for dinner.

05 MOOD BOARD

Intrigue • Captivate • Unite

