

A group of cyclists is riding on a paved path. The path has a white bicycle symbol painted on it. The cyclists are wearing various clothing, including a pink top and white shoes. The background is slightly blurred, showing greenery and a fence.

# The rolling playground

(cycling center with accommodation services)

CARITAS INSTITUTE OF HIGHER EDUCATION IN COLLABORATION WITH THE UNIVERSITY OF PORTSMOUTH

BA (Hons) Interior Architecture and Design

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# 01

## **Introduction:**

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People in England ride their bike to office



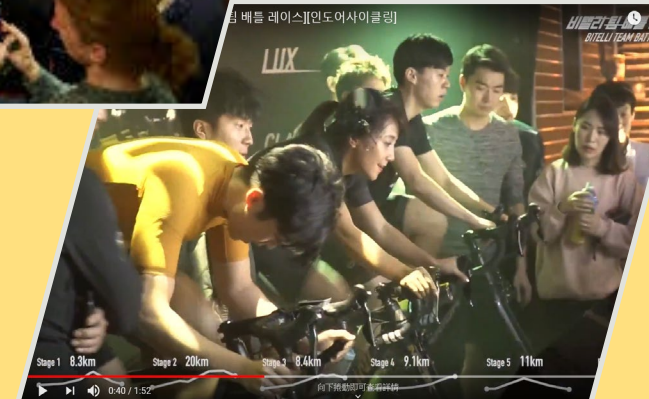
Kids in Netherland ride their bike back to school



Union Cycliste Internationale (UCI) gather the indoor cycling competition



Most cyclists love Zwift program, Korean enjoy the indoor cycling as a party



## In the worldwide, cycling is ...



Tourists choose bike tour to visit in Thailand



Traveling around Taiwan with bicycle is the dream of Taiwanese.

### *Cycling is a life attitude.*

Although technology is developing every day, bicycles will never be replaced. It is a sustainable and healthy modes of transportation development. Cycling is more comfortable than walking. There is no gap between you and the city. Fast or slow depends entirely on you. Cycling can make people feel slow and enjoy the surroundings. Relax the mind.

Actually, cycling can be transportation tools, a kind of sport , a game or a party.



It is dangerous for citizens to cycle on the road because there is no bike route reserved on the road



Takeaway staff use bicycles for transportation

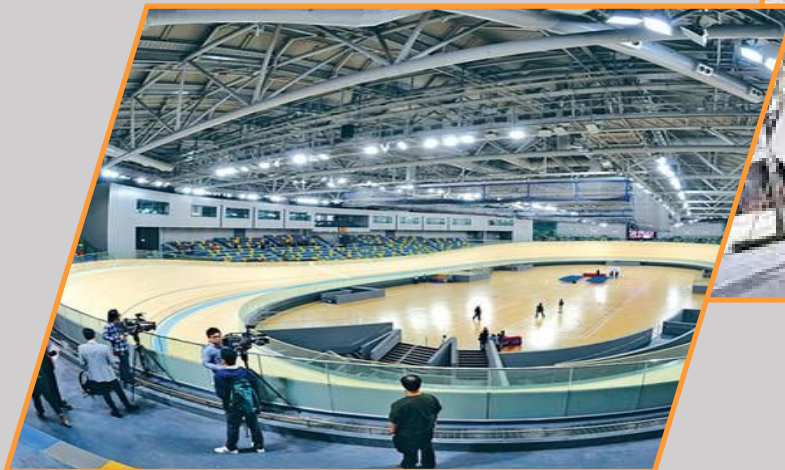


Cycling track at Shatin  
The earliest cycle track at Hong Kong  
Main routes for citizens to cycle

# In Hong Kong, cycling is ...

## Hong Kong Velodrome

The only indoor cycling venue in Hong Kong. People need to pass the assessment before use. And cycling is prohibited outside the venue



## *Cycling is only a leisure activity in Hong Kong*

People only cycling on the cycling track. Most people do not dare to ride bicycle on the road. Because driver. Because there is no lane for bicycles, cars usually travel at high speeds, and most drivers also hate riders who blocking the road. Indoor cycling stadium only for professional cyclists to use,. Citizen not allow to cycling in parks outside venues. The public policy blocks the development of cycling.





# **Bike unfriendly City - Hong Kong**

**“Since 2004, the government has no statistics about cycling”**

**“Urban planning did not consider cycling”**

**‘cycling track did not consider commute function, and people and vehicles often fight for the road ‘**

**“No support and no facilities for cyclists”**

**“It is that no one want to ride or no way can ride?”**





### Case Study #1 - New York

In New York the US, population density is 1.7 times that of Hong Kong. According to a report published by the New York Department of Transportation in 2014, since the introduction of bicycle commuting in 2007, **the traffic congestion has been alleviated and the overall traffic accident has dropped by 20%** (HK01.com 2018)

### Case Study #2 - Singapore

Singapore shortage of land, it is difficult to establish more bike lane. The community has promoted WCR (Walk Cycle Ride) which promotes smart travel in a hybrid model of walking, cycling and public transportation (including car-sharing). In 2016, **WCR accounted for more than 70% of total travel during peak hours.**

(<https://fm.smart.mit.edu/2016/07/08/event-walk-cycle-ride-sg-symposium/> 2016)

### Case Study #3 - Denmark

In Denmark, as cars increased, the number of conflicts between bicycles and cars has increased, and the number of car deaths has also increased.

After the 1972 oil crisis, the Danish economy was severely damaged, so the Danish government began to **re-plan energy** and reduce its dependence on fossil fuels. The goal is to use 100% of energy as renewable energy by 2050, and **the development of bicycles has been included in the policy.** On the one hand, Copenhagen is the most complete planned city.

(HK01.com 2018)

***Cycling maybe a way to smooth traffic congestion.***

***"The speed of some urban roads during peak hours is about 20km/hr. The average speed of bicycle is 15-20 km/hr."***

Energy consumption, shortage of land and traffic congestion are serious problems in many cities in the world.

Most countries use policies to encourage citizens to use bicycles for transportation. It helps to solve traffic congestion and energy shortages. It is also good for health and reduces carbon emissions. And improve the traffic problem.

**Case Study**





## CYCLOTHON

Since 2015, the Hong Kong Tourism Board (HKTb) has held CYCLOTHON which is an annual cycling event. The route passes through three bridges and three tunnels. It attracts foreign tourists. And the number of participants has continued to increase each year.

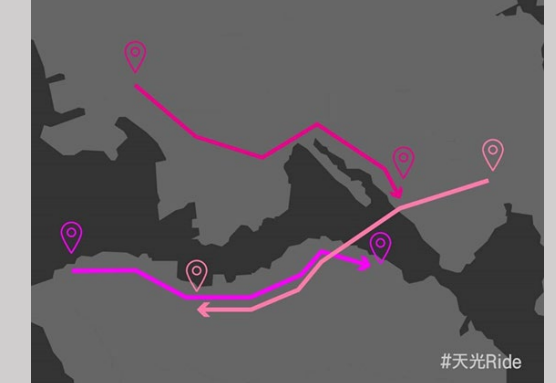


## BiciLine / We Cycle

Non-profit organizations use cycling tours to help young people at the grassroots level or drug addicts develop new lives.

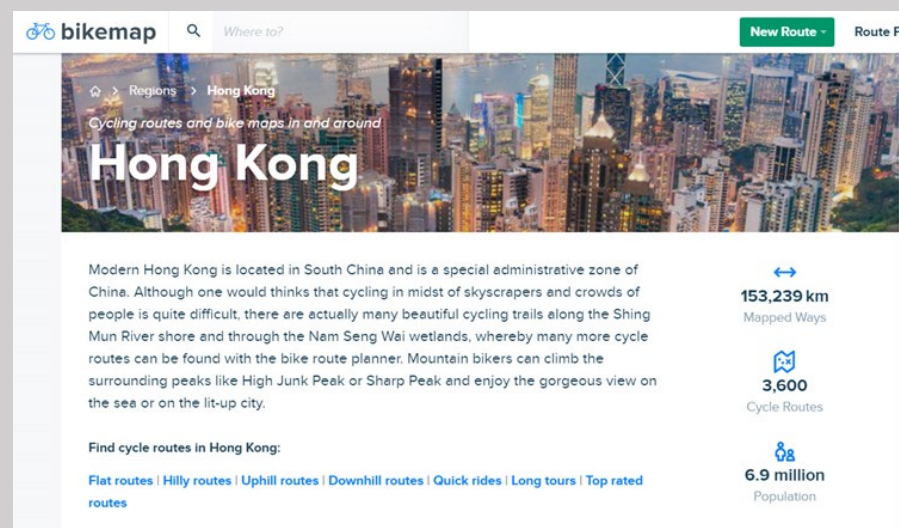


**交通自主 單車通勤**  
16, 23, 30/10, 6/11 - 西環>中環>金鐘>灣仔>銅鑼灣>天后>北角>鰂魚涌  
16/10 - 將軍澳>觀塘>北角>天后>銅鑼灣>灣仔>金鐘  
23/10 - 長沙灣>太子>九龍城>土瓜灣>九龍灣>觀塘



## Bike the Moment

Regular cycling to work activities initiated by civil organizations.



## Bike Map

Cyclists are looking for different cycling routes and share the information to all.

In recent years, people began to pay attention to physical and mental health, cycling activities began to develop. Moreover, environmental issues are getting attention, different organizations began to hold all types of cycling activities.

# Cycling activities in HK



# Aims

For the development of Hong Kong, cycling is a sustainable project. It began to improve the public' mentality, let people know cycling is not just sport. It is an attitude to life. Cycling is good for health and good for the environment. When the city receives various cycling activities, cycling can gradually improve Hong Kong to become a bike-friendly city.

# Objectives

This Center tries to link up with different elements so that people will find cycling more interesting. Through city bike tours, tourists and local citizens can have different travel experiences. And though the indoor activities, give visitors another fun from cycling. Then, accommodations service provide support services for cycling backpackers. This center hope to give a place to gather the cyclists.

By developing cycling activities in new towns, it can be closer to daily life. Also, indoor and outdoor cycling activities will meet the different requirements of the cyclists. Besides, there is a place which provides cycling knowledge can reduce the public' misunderstanding of cycling. Then, one day, the public can easily enjoy cycling in the city at any time.







GIANT  
ADVENTURE  
捷安特旅行社

1972 that is recognized as the world's largest bicycle manufacturer.  
In 1981, it was expanding the marketing of its own brand GIANT. After that, Giant Adventure was established at 2009, formally launched bike tourism.

GIANT is developing in different bicycle fields and hopes to ride a bicycle is a new lifestyle. From energy saving to carbon reduction, slow ride to sports and fitness, cycling is the simplest and most effective way to change your life. They believe in enjoying this moment, and this trip is as important as the destination.

#### GIANT'Value:

We believe in *enjoying the moment*, and that the ride matters as much as the destination.  
We are constantly innovating. We create products to help riders *reach new levels of performance and fun*.  
We encourage people to seek fresh perspectives and *new experiences through cycling*.  
We are committed to reducing our impact and *promoting cycling as a responsible activity*.



### Target Group

#### Tourists

##### Bike packers:

Age: 18-70  
Cyclists use their bike to travel

##### Visitors:

Age: 16-60  
Anyone who want a day trip to experience Hong Kong.

#### Local citizens

##### Sports cyclists

Age: 18-70  
Cyclists who can handle a road trip over 50km distance

##### Recreational cyclists

Age: 18-70  
Cyclists who enjoy being on their bike and with other to have a trip.

##### Sport lovers

Age: 18-70  
people who want to experience different sport exercise

##### Bike Group

Age: 18-50  
Cycling group looking for challenge



### Activities

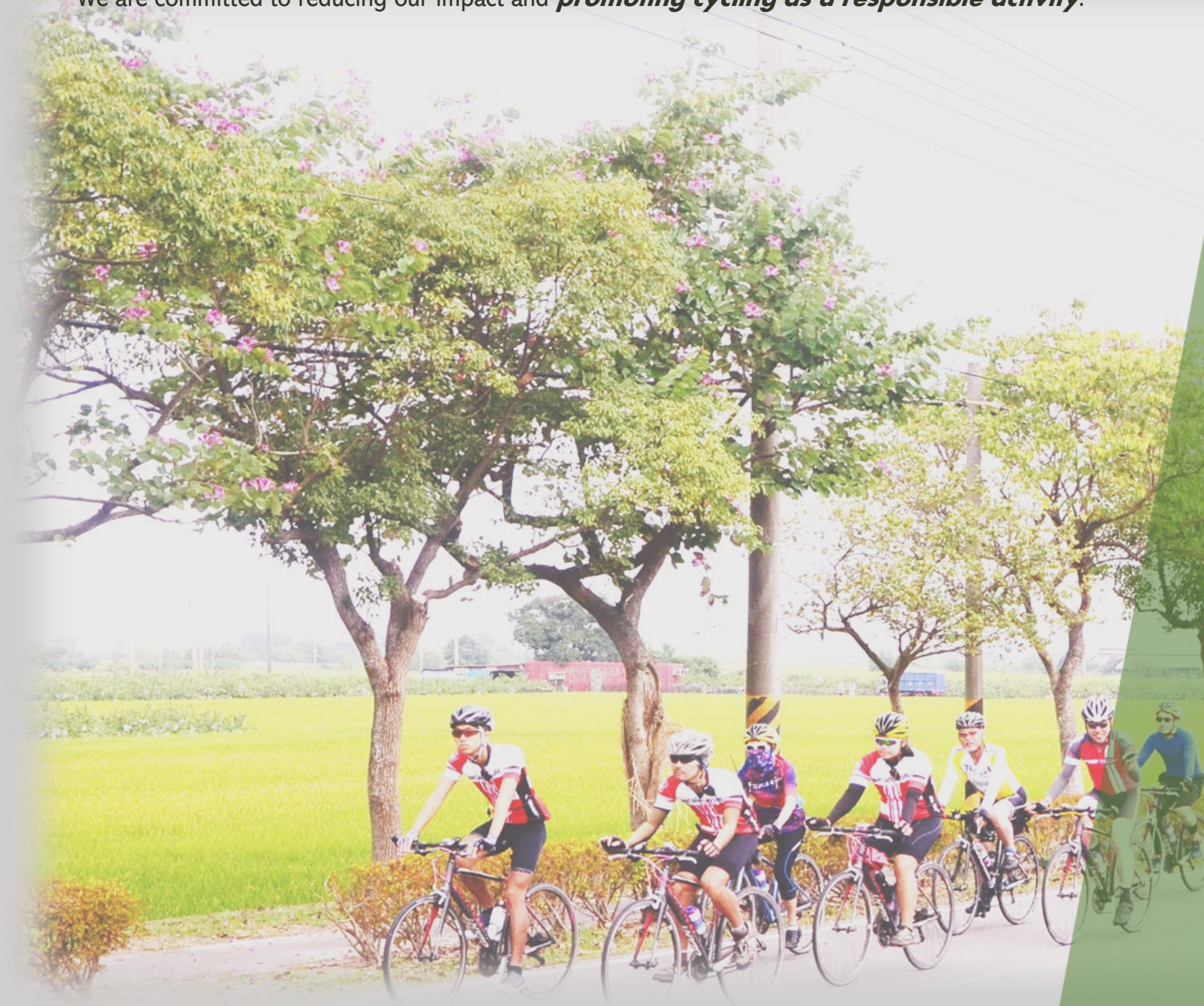
#### Indoor

- Roller training
- Zwift program
- Fitness testing
- Cyclists sharing
- Urban cycling knowledge

#### Outdoor

- Urban tour
- Historical tour
- Group training

### Client





# 02

**Introduction**

**Site Information**

- Site introduction - Urban planning - Surrounding of Site - Site analysis - Pros & Cons - Site model Study

**Concept Development**

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# Location : KAI TAK CRUSIE TERMINAL



**The rolling playground**

Kai Tak cruise terminal is located in Kai Tak Development District, formerly known as Hong Kong Kai Tak Airport. Kai Tak Airport (January 24, 1925 - July 6, 1998) is a civilian airport in Hong Kong has been disabled which is located in Kowloon City district. After the completion of Chek Lap Kok Airport in 1998, Kai Tak Airport was closed at the same time. The extremely busy Kai Tak Airport is located in the urban area of Hong Kong and has only one runway. After years of research and discussion, the Hong Kong Government launched the Kai Tak Development Plan at the original address of Kai Tak Airport.

**Site**





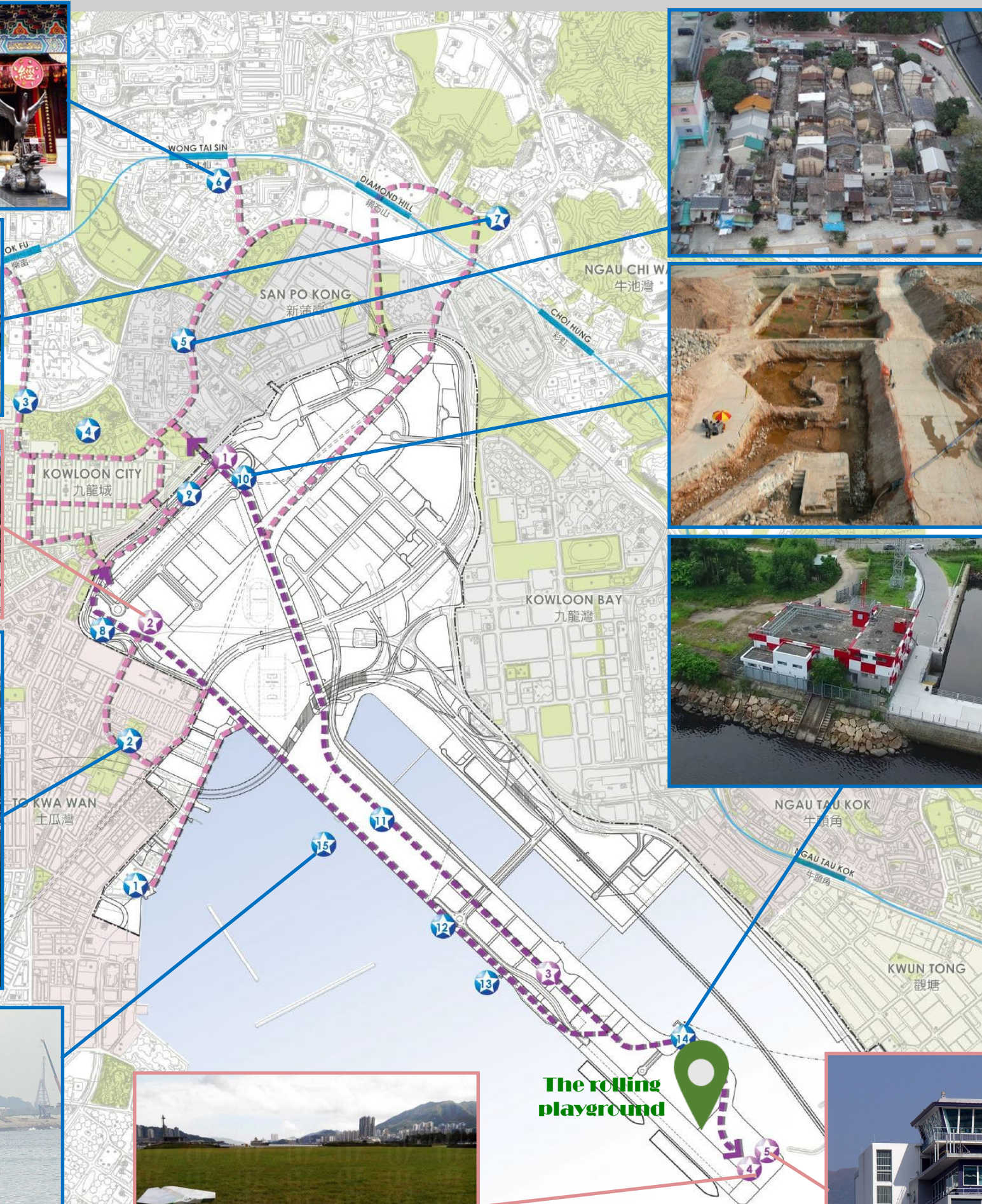
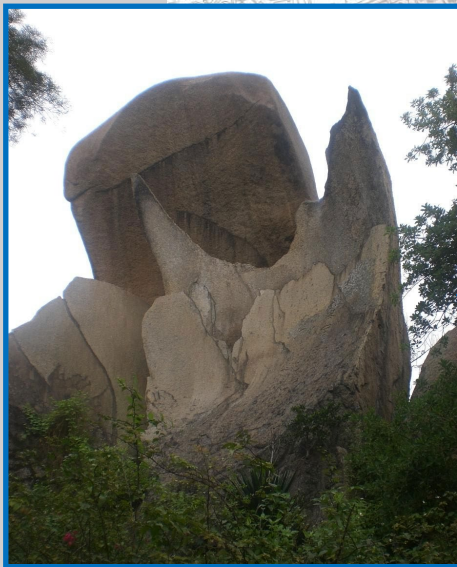
### The information of Kai Tak development district

Area of Kai Tak development district: 320 hectare  
 Recreational Land Use : 100 hectare  
 Promenade : around 11 Km  
 Total Gross Floor Area :  
 - Non-residential: around 2.3 millions sq.meter  
 - Residential: around 2.9 million  
 Population: 137 000 pers.

## Urban Planning of Kai Tak Development District







The rolling playground

## LEGEND 圖例

- HERITAGE TRAIL  
文物徑
- HERITAGE TRAIL EXTENSION (PEDESTRIAN CONNECTION)  
文物徑伸延(行人通道)
- MTR STATION  
地鐵站
- OPEN SPACE IN EAST KOWLOON  
東九龍的休憩空間



**EXISTING SITES OF HISTORICAL/CULTURAL INTEREST**  
現有具歷史/文化價值的地點

1. FISHTAIL ROCK  
魚尾石
2. CATTLE DEPOT ARTIST VILLAGE  
牛棚文化村
3. HAU WONG TEMPLE  
侯王廟
4. KOWLOON WALLED CITY  
九龍寨城
5. NGA TSIN WAI TSUEN  
衙前圍村
6. WONG TAI SIN TEMPLE  
黃大仙廟
7. CHI LIN NUNNERY  
志蓮淨苑
8. HONG KONG FLYING SCHOOL BUILDING  
香港飛行學校舊址
9. KOWLOON FORT ARCHEOLOGICAL SITE  
九龍炮台遺址
10. LONGIN BRIDGE ARCHEOLOGICAL SITE  
龍津橋遺址
11. KAI TAK RUNWAY  
啟德跑道
12. OLD WINDPOLE  
舊測風竿
13. AIRPORT PIER  
舊機場碼頭
14. EX-FIRE STATION  
舊消防局
15. KOWLOON ROCK  
九龍石

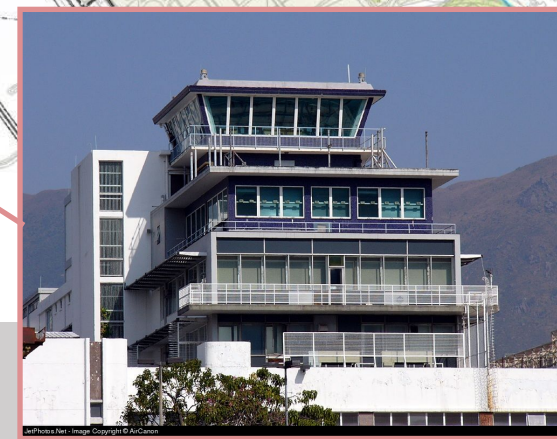


**PROPOSED SITES OF HISTORICAL/CULTURAL INTEREST**  
建議具歷史/文化價值的地點

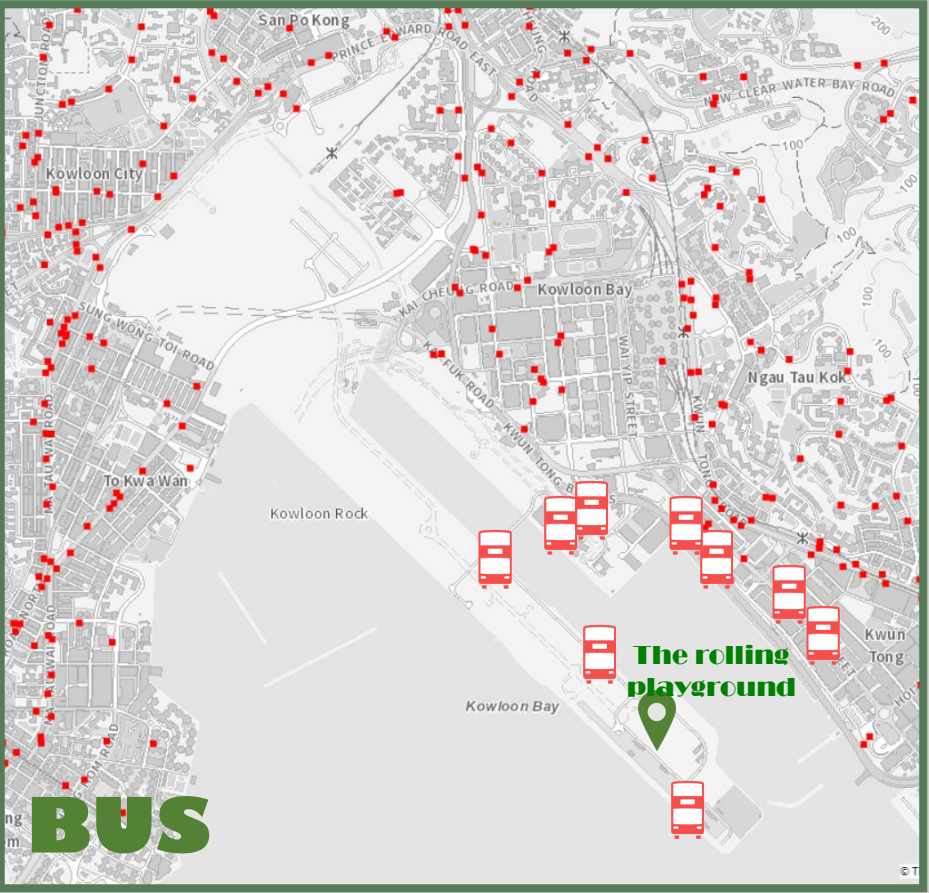
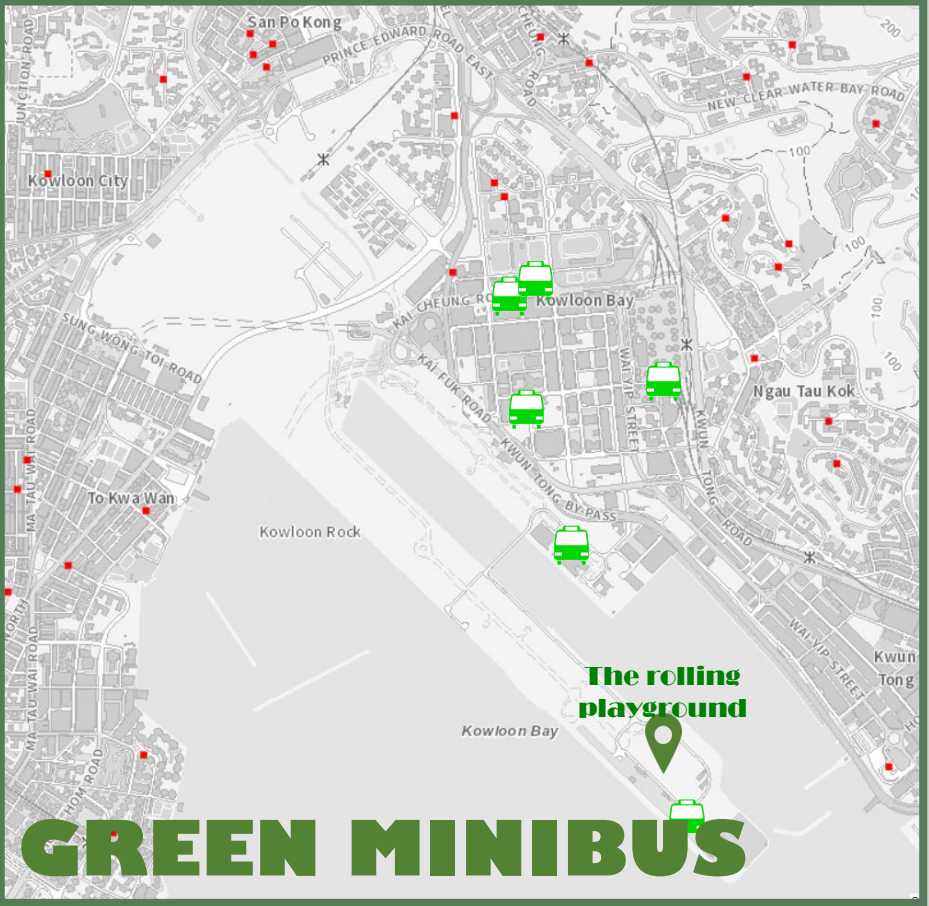
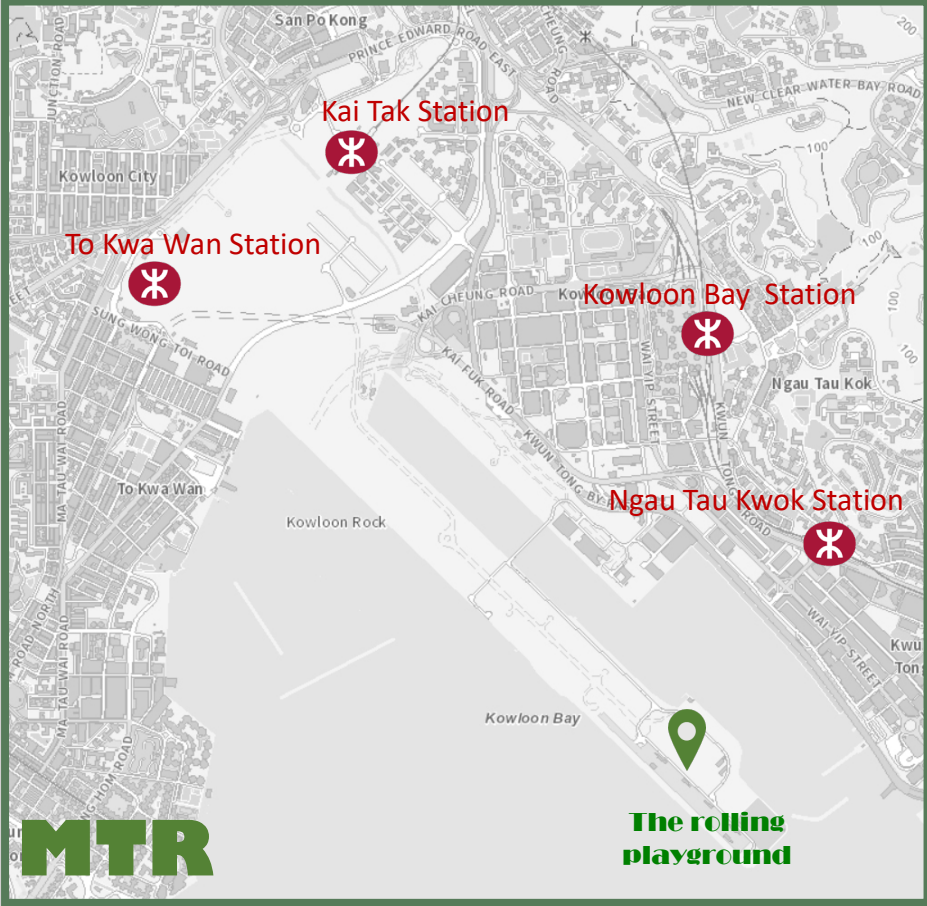
1. LONGIN BRIDGE  
龍津橋
2. SUNG WONG TOI INSCRIPTION ROCK (REINSTATED TO ORIGINAL POSITION)  
宋王臺石刻(原址)
3. KAI TAK FESTIVAL BOULEVARD  
啟德節日大道
4. RUNWAY PARK  
跑道公園
5. EX-AIR TRAFFIC CONTROL TOWER  
前航空交通管制塔

Around the Kai Tak Development District, there are many historical and cultural sites. Government has made maintenance and restoration of cultural relics. To supply developing heritage trails and other facilities at the KTD.

## Historical Site







**Public Transport to the site**

**Minibus:**  
Green minibus No. 86  
Route: Between the cruise terminal and Kowloon Bay MTR Station (Telford Gardens)  
Headway: Approximately 8 to 25

**Bus:**  
22 (Citybus)  
Route: Between Kowloon Tong (Festival Walk) and the Kai Tak Cruise Terminal  
Headway: Approximately 30 minutes  
22M (Citybus)  
Route: Between Kowloon City and the Kai Tak Cruise Terminal  
Headway: Approximately 30 minutes  
5R (KMB)  
Route: Between the cruise terminal, Ngau Tau Kok and Kwun Tong MTR stations  
Headway: Approximately 30 minutes

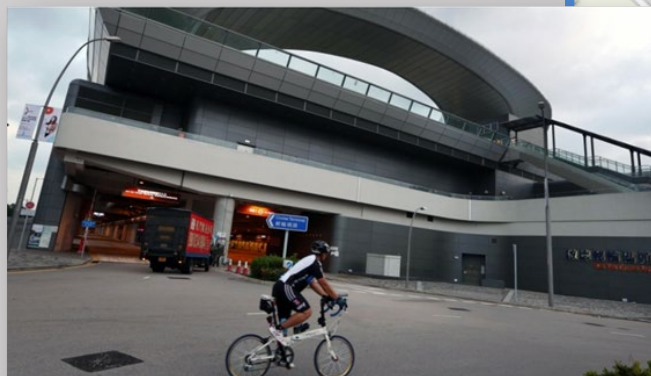
**Ferry:**  
In addition to land based transportation, the terminal can be accessed via a scenic ferry ride from both Kwun Tong and North Point public piers. A scheduled ferry shuttle service operates between the Kai Tak Runway Park Pier (conveniently located adjacent to the Kai Tak Cruise Terminal, Rooftop Garden and Runway Park) and the two public piers.  
Sailing Route: North Point to Kwun Tong to Kai Tak Runway Park Pier to Kwun Tong to North Point.

**Taxi:**  
Pick up and drop off area in front of terminal.

**Getting Around (Distance in Kilometers/ Miles)**

All major metro areas within 10 km (6 mi).  
42 km (25 mi) by road to Hong Kong International Airport.  
10 km (6 mi) by road to Kowloon Station Airport Express Line and airline check-in.  
5 km (3 mi) by road to Hung Hom train station, with rail connections to Shenzhen, Guangzhou, Shanghai, Beijing and other Chinese cities.





Entrance of G/F of KAI TAK cruise terminal



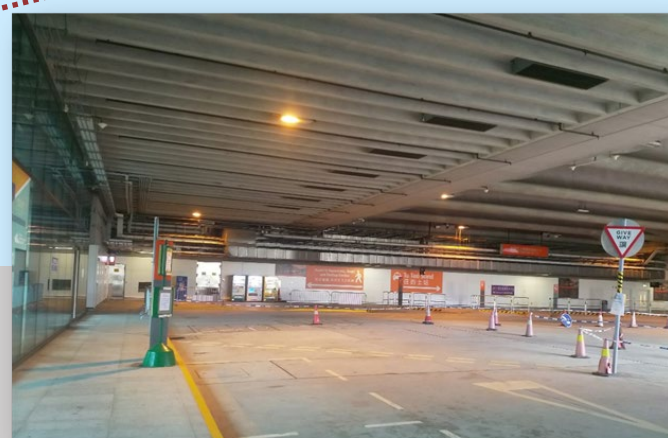
One way road



Shop front of the site



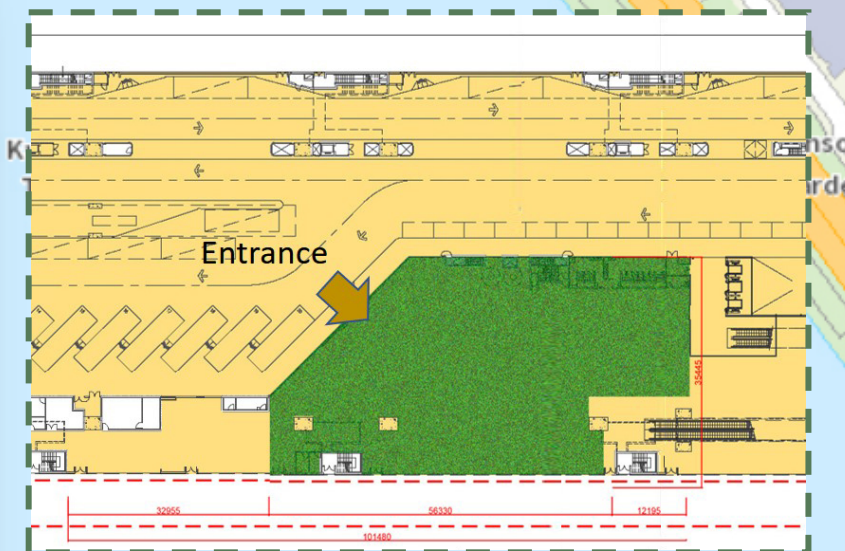
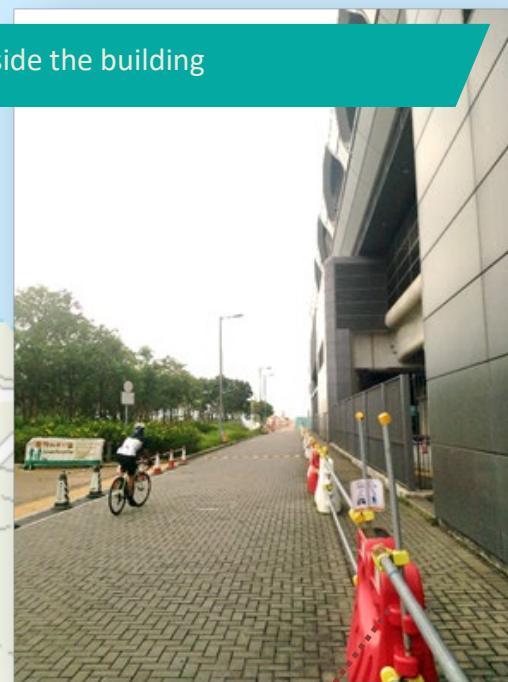
Front area of site location



Mini-Bus station / Tourism center



The path outside the building



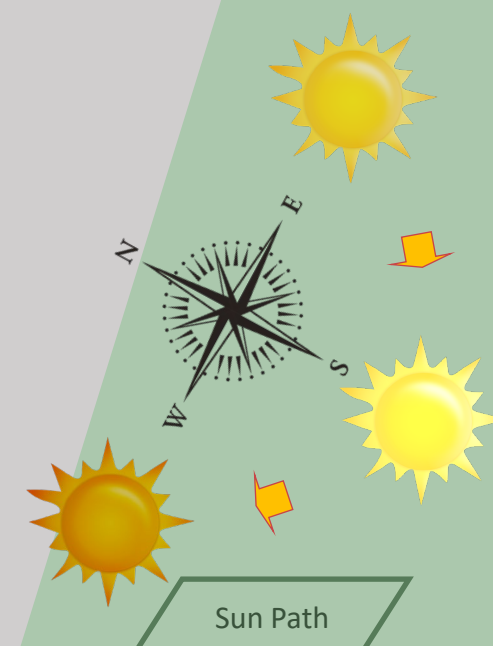
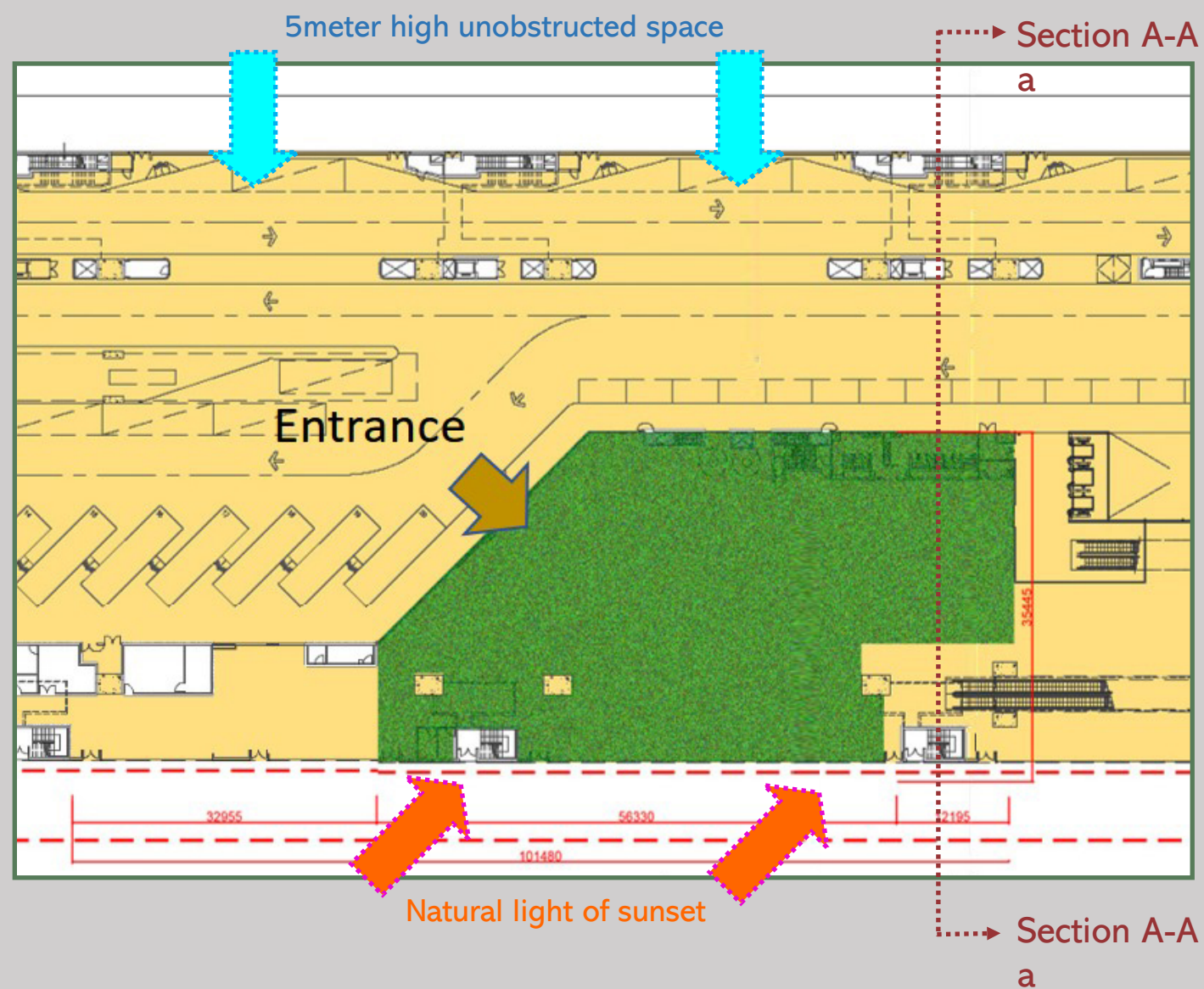
Front view of the cruise terminal building



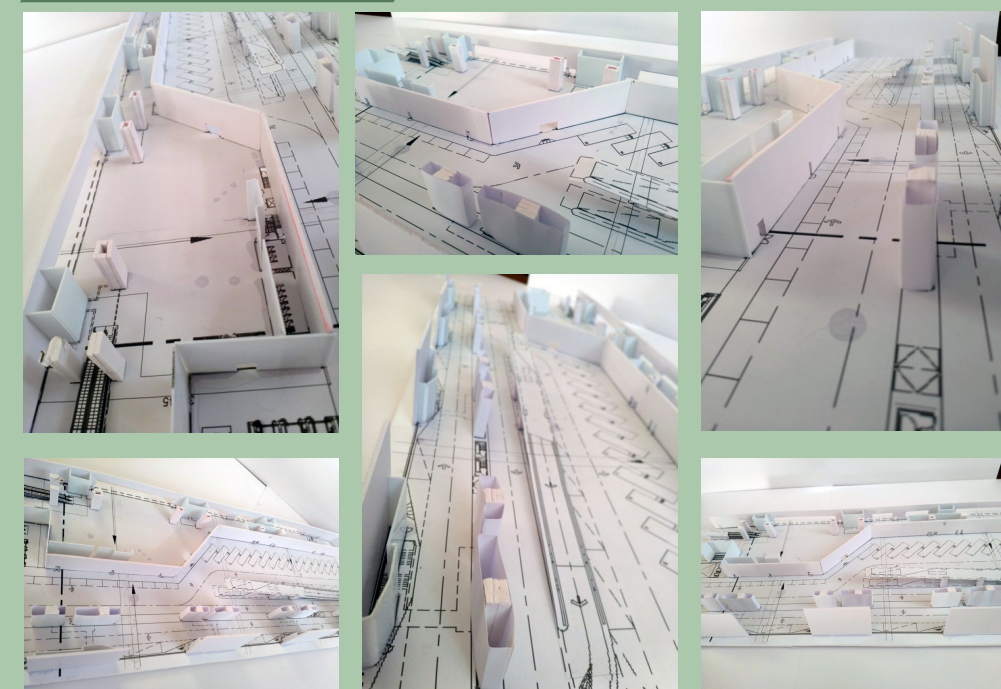
The park next to the cruise terminal building

## Surrounding of Site





Site Model Study



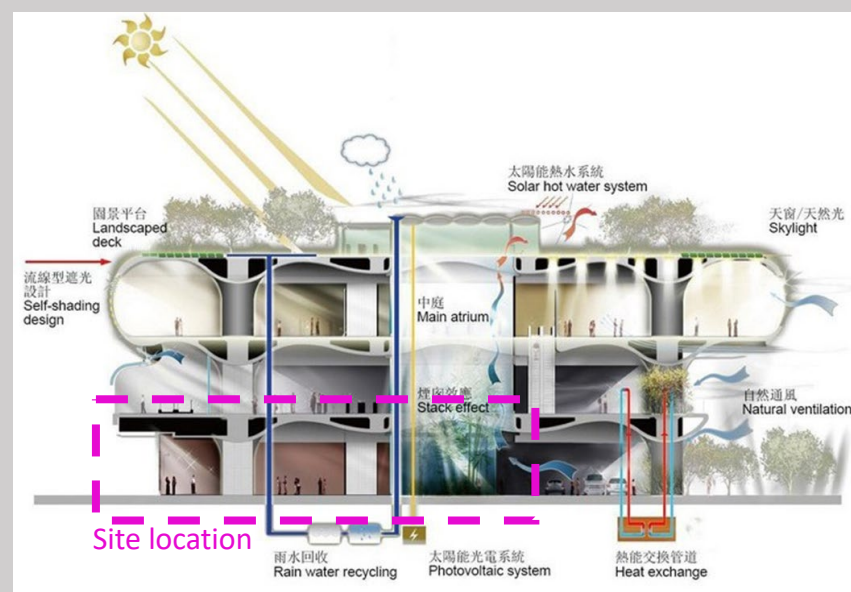
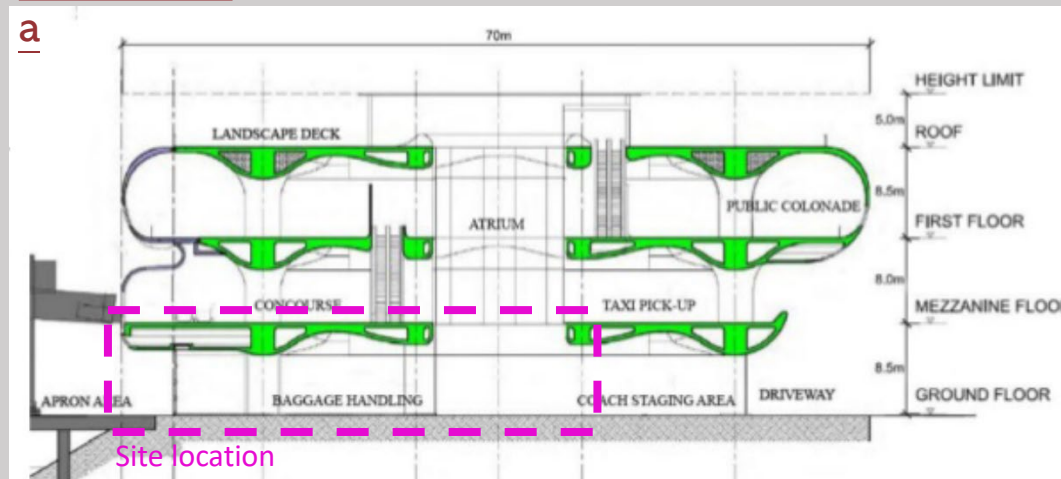
#### Information of Site:

Size of the site area : 2110 sq. meter

Building Facilities provide: Solar hot water system, Photovoltaic system, Rain and water recycling, Green roof

Structure of building : 42m structural span maximises flexibility to accommodate various usages

#### Section A-A



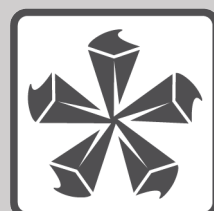
#### Pros:

- Energy saving system already provide and have good environment quality.
- Wide space only have 3 column and high ceiling height
- Good sea view
- The location at Kai Tak development district that have the first town at Hong Kong have well urban planning

#### Cons :

- Not enough natural light
- Location was hidden.

## Site information



**PLATINUM**  
**鉑金級** NB 新建建築  
 V1.1 2017  
 HKGBC  
**BEAM Plus**  
 綠建環評



**HKGBC**  
**BEAM Plus**  
 綠建環評



## Weakness

- The Kai Tak development is under construction. Most facility is still planning
- The site was hidden in the Cruise Terminal
- Urban cycling activities is developing

## Strengths

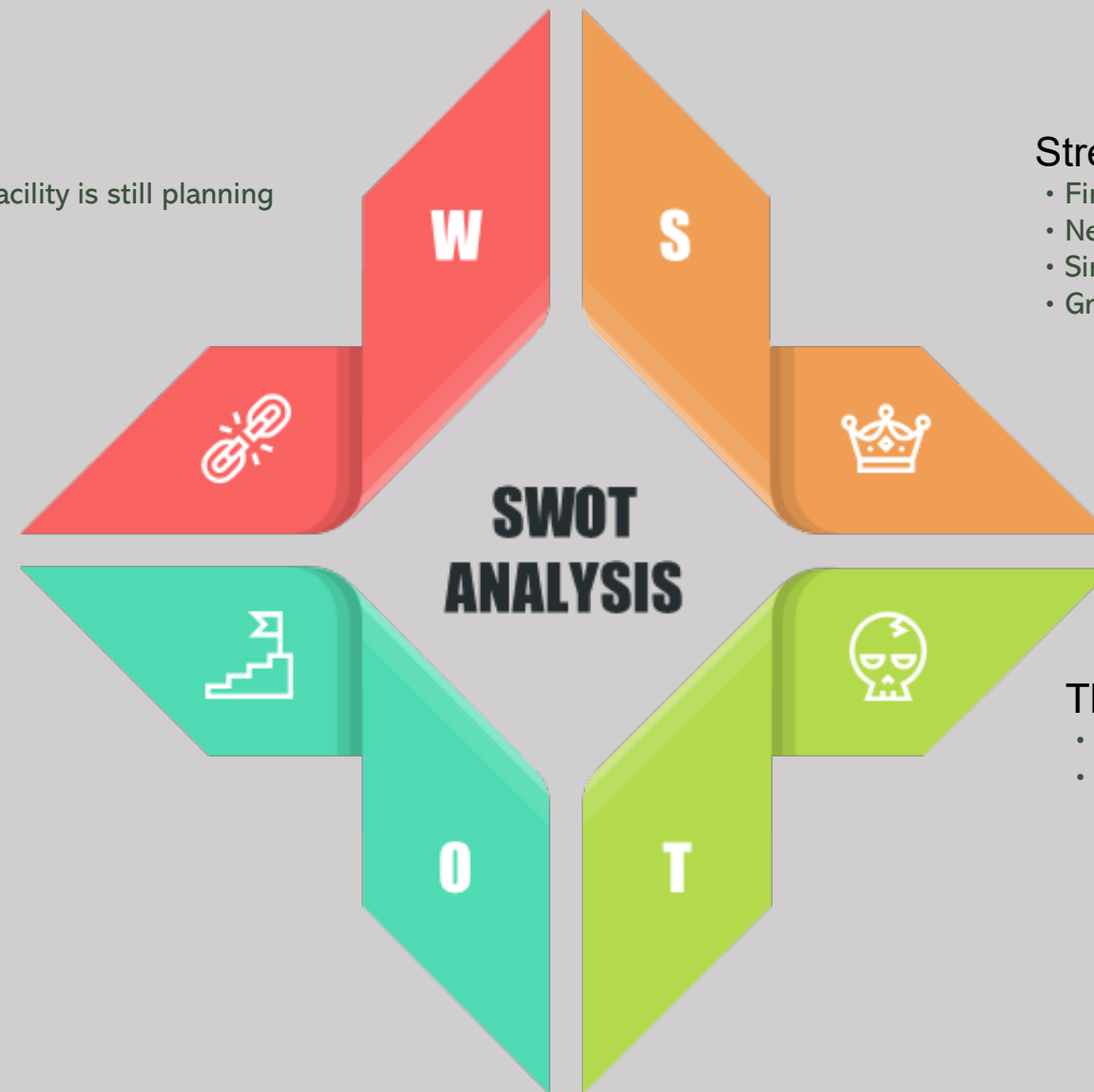
- First town have urban planning which consider cycling activities
- New towns will have different levels of citizenship
- Site location in the city can promote urban cycling
- Greenway nearby the site

## Opportunities

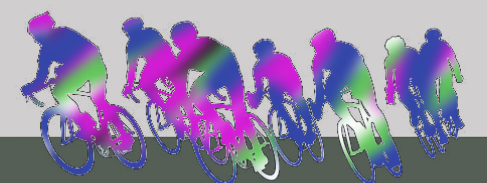
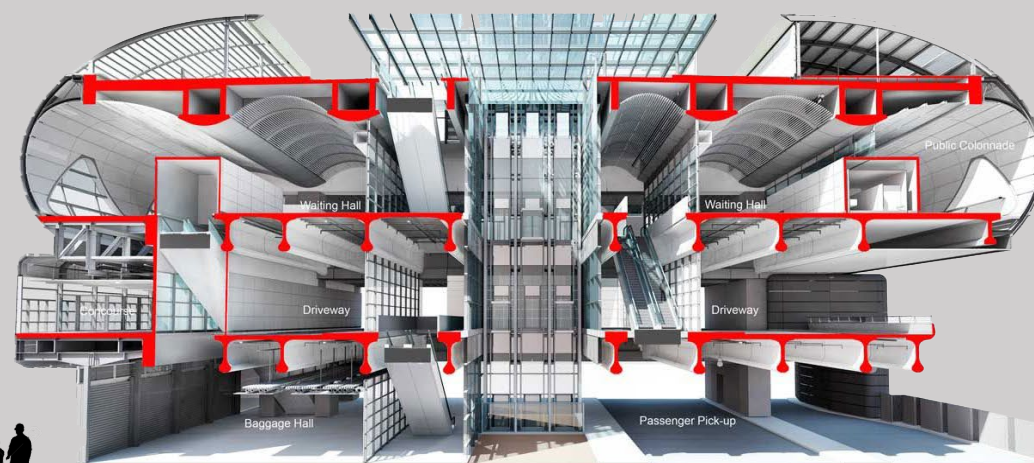
- A new location to gather different cyclist
- Cycling is promoted in many ways
- Bring more development opportunities to the towns

## Threats

- Lack of cycling knowledge bring accidents
- Resident not accept cycling in their town



Section of Kai Tak Cruise Terminal





# 03

**Introduction**

**Site Information**

**Concept Development**

- Mind Mapping - Concept Development - Image - Collage

**Design Development**

**Design Proposal**

**Material & Detail**

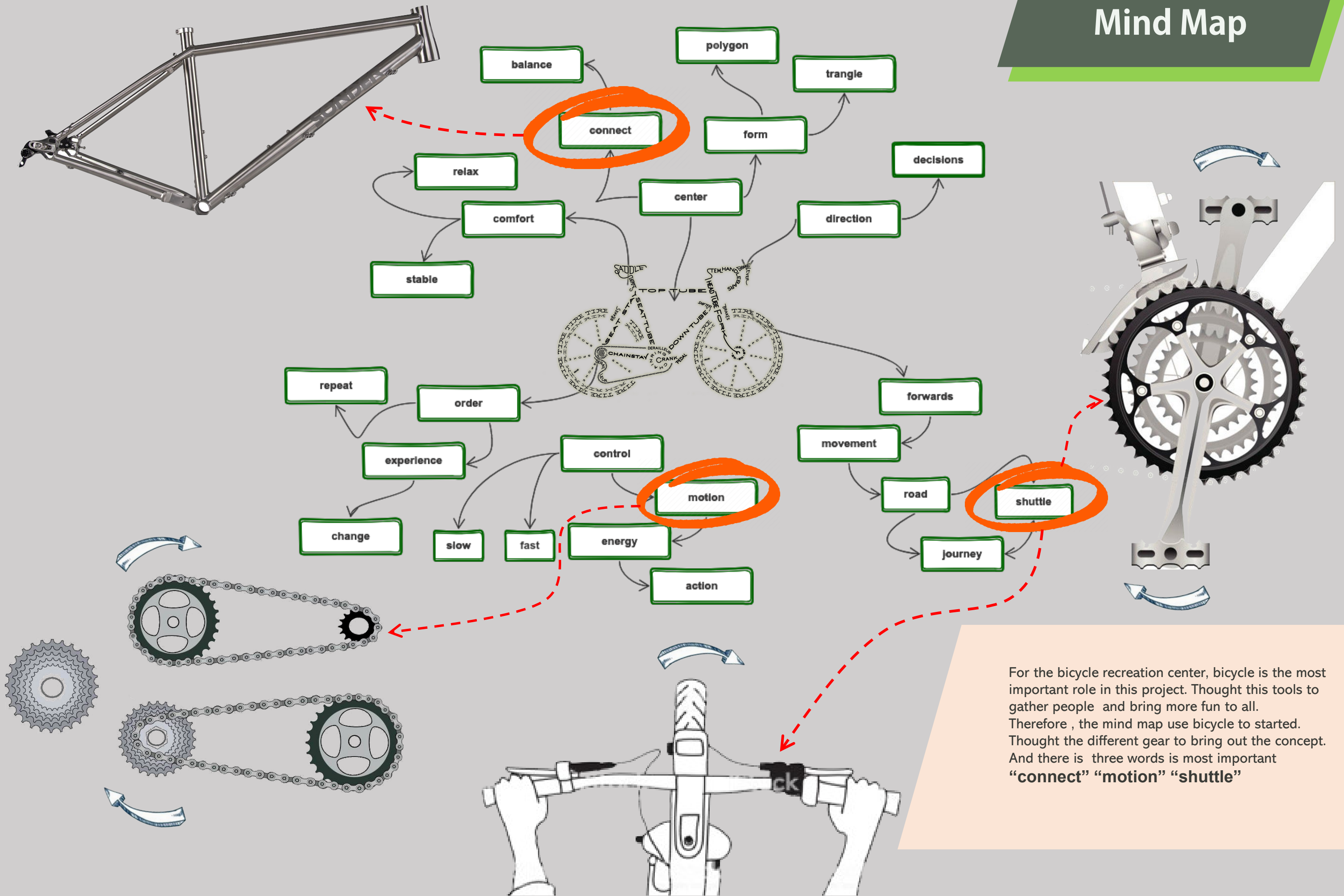
**Model Study**

06





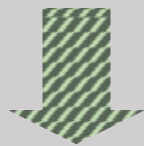
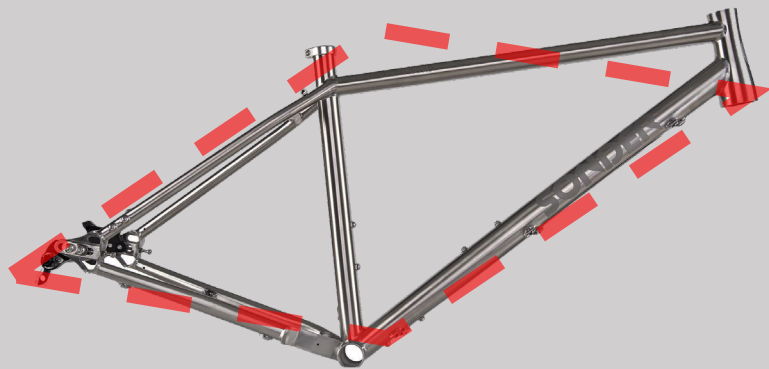
# Mind Map



For the bicycle recreation center, bicycle is the most important role in this project. Thought this tools to gather people and bring more fun to all. Therefore , the mind map use bicycle to started. Thought the different gear to bring out the concept. And there is three words is most important **“connect” “motion” “shuttle”**

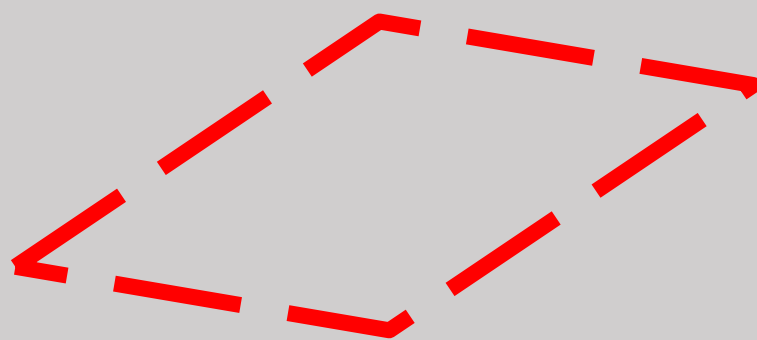
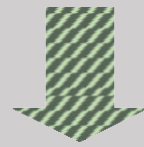


## Connect

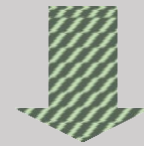
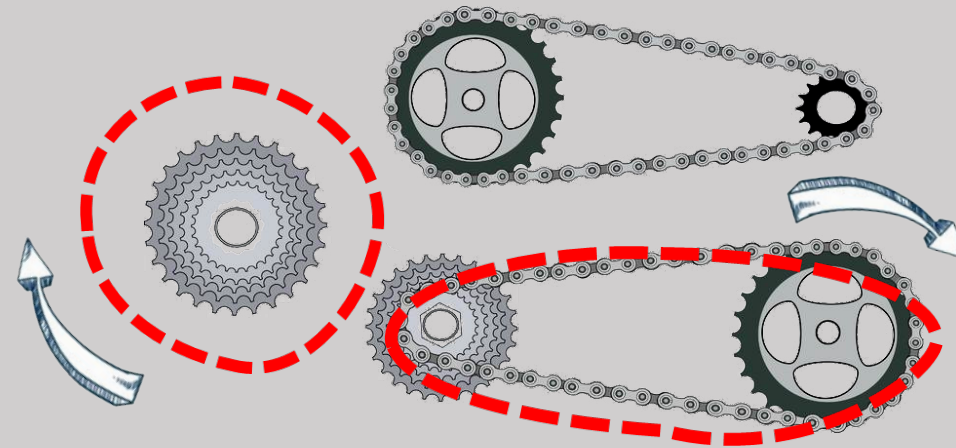


### Static

A bicycle frame is the main component of a bicycle, onto which wheels and other components are fitted. The most common frame design for an upright bicycle is based on the safety bicycle and consists of two triangles: the main triangle and a paired rear triangle. This is known as the diamond frame.

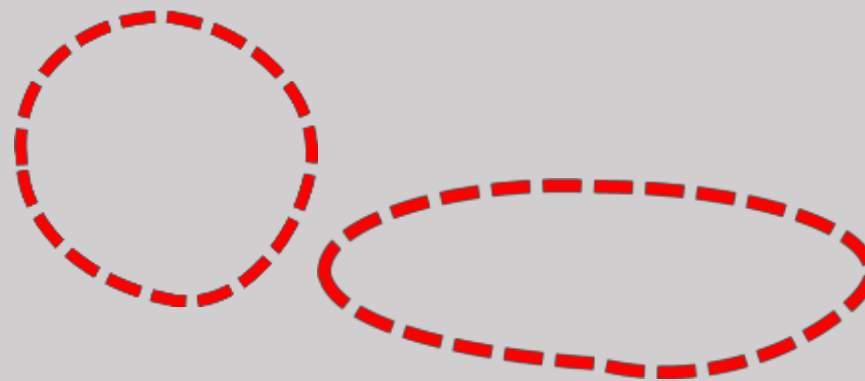
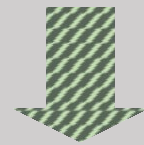


## Motion

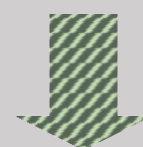
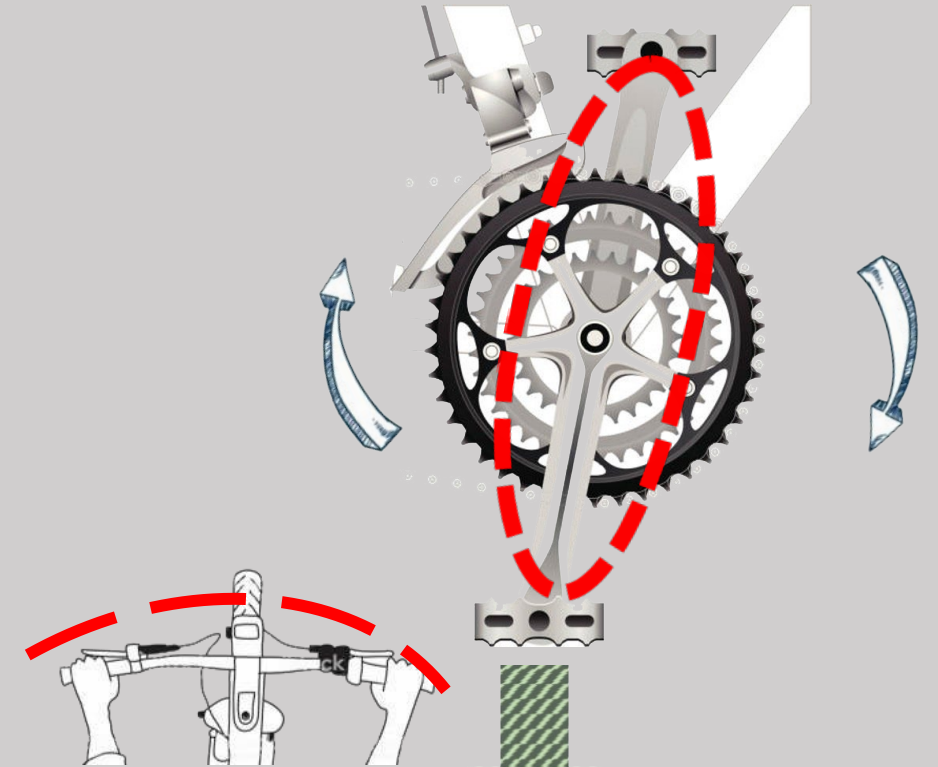


### Movement

A variable-speed transmission system on a bicycle is composed of a chain, a cassette, a derailleur, and a corresponding control device, wherein the control device can switch the sprocket meshing with the chain.

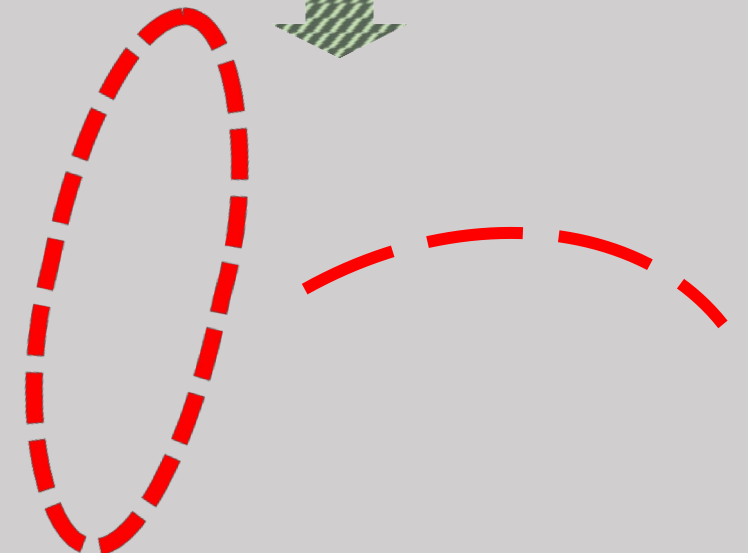
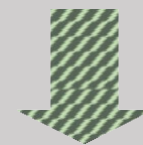


## Shuttle



### Interaction

A bicycle handlebar is the steering control for bicycles. And the pedal is the part of a bicycle that the rider pushes with their foot to propel the vehicle. Both components provides the interaction between the cyclist.

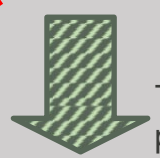
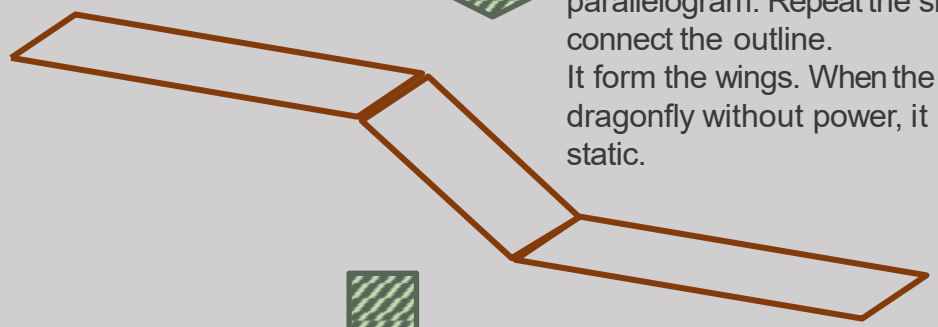
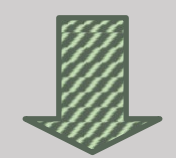
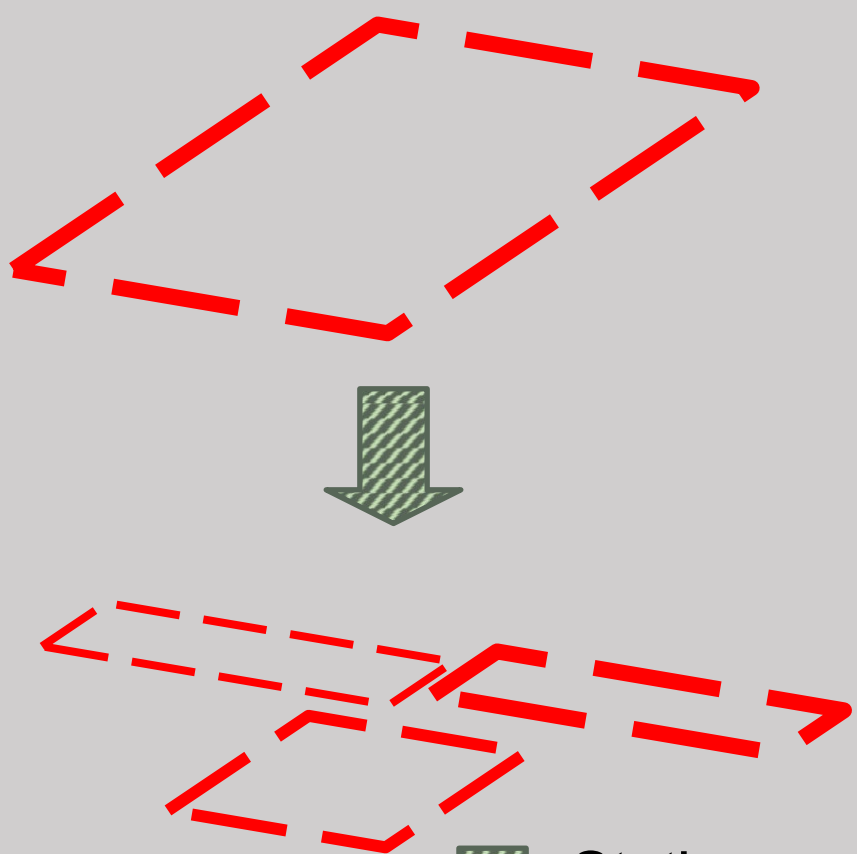


## Concept Development



# Concept Development

## Connect

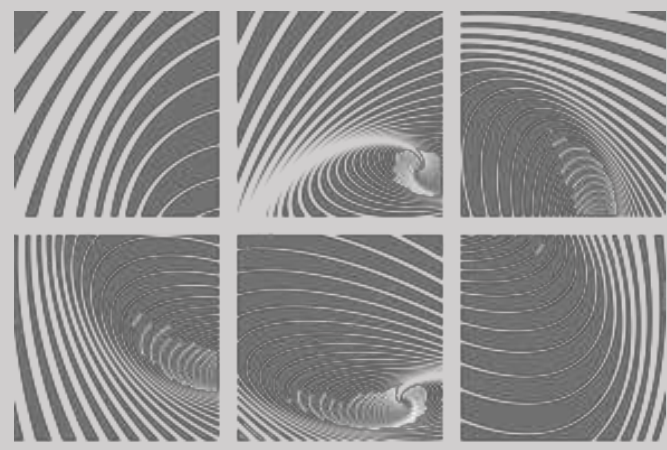
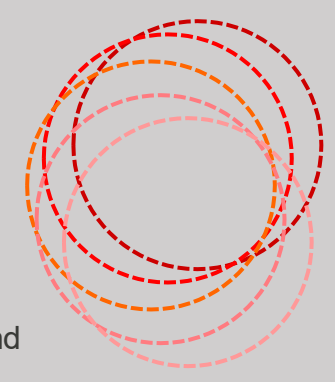
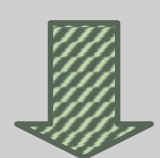
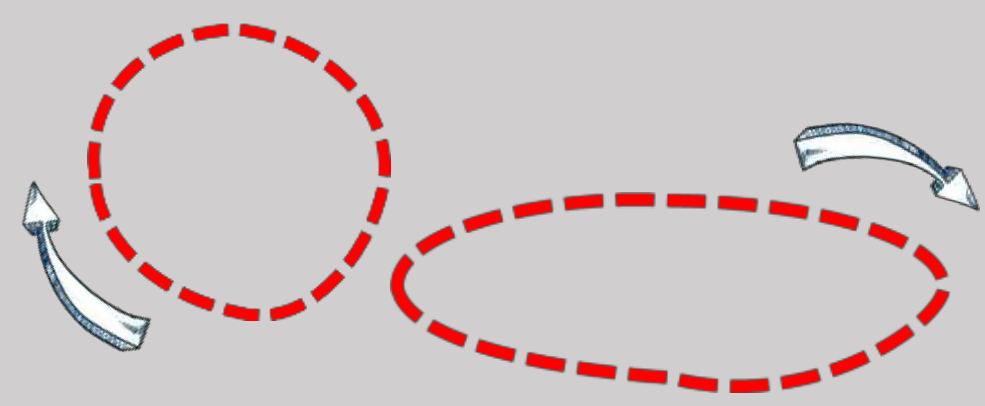


### Static

The bike frame create the form of parallelogram. Repeat the sharps and connect the outline. It form the wings. When the bamboo dragonfly without power, it stay static.

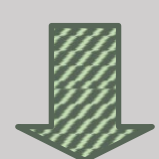


## Motion

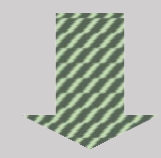
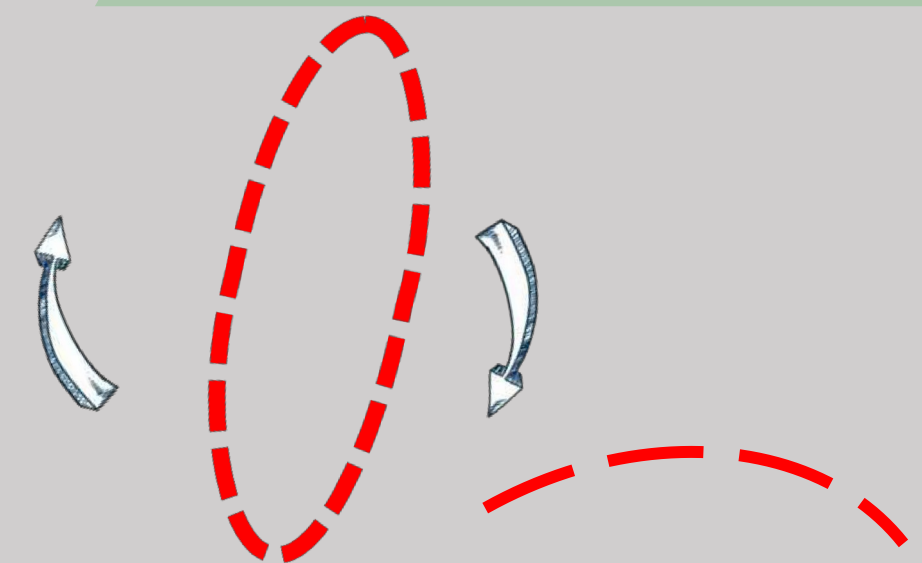


### Movement

The power through a variable-speed transmission system generate movement. And movement will create the repeat pattern.

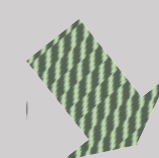
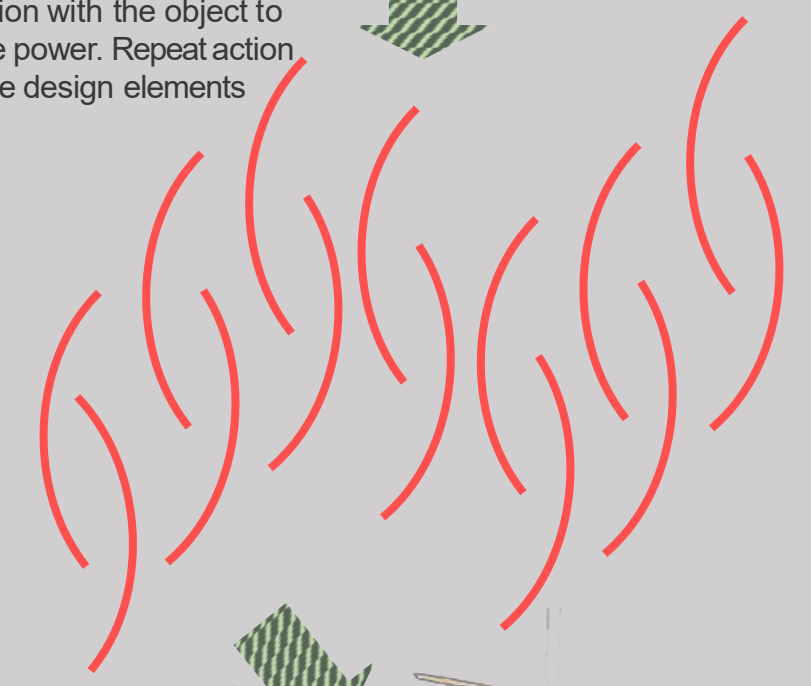


## Shuttle



### Interaction

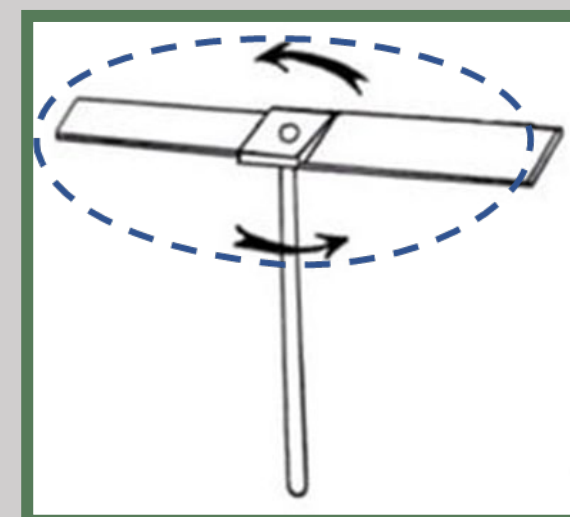
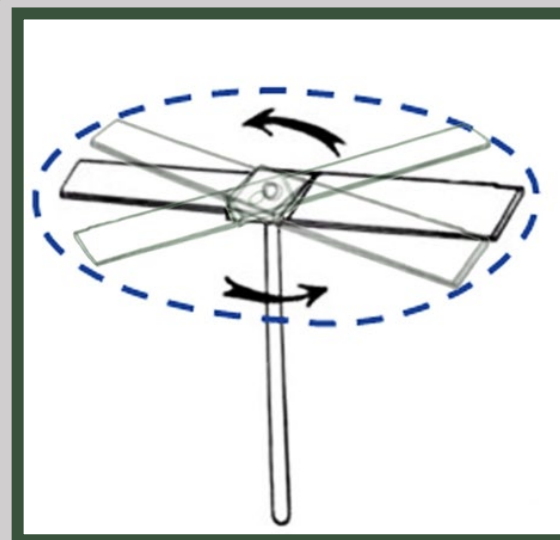
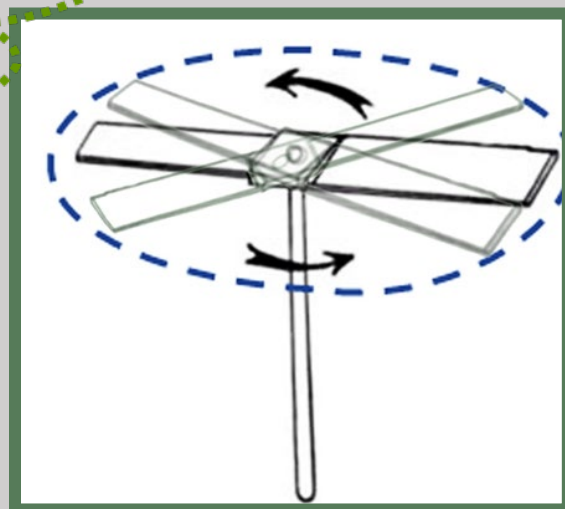
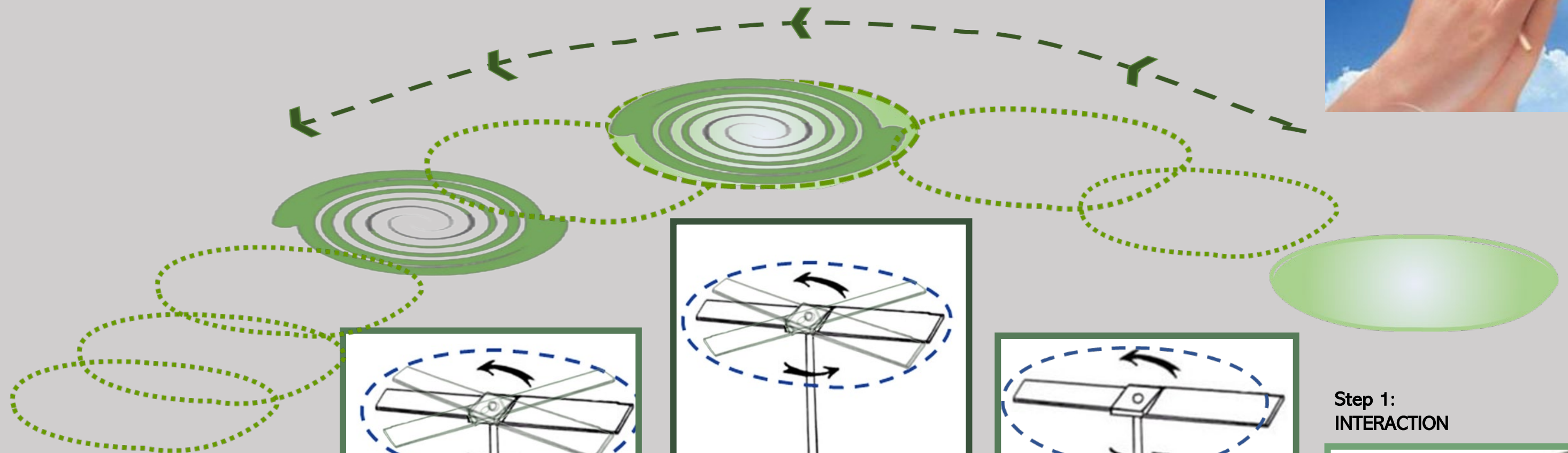
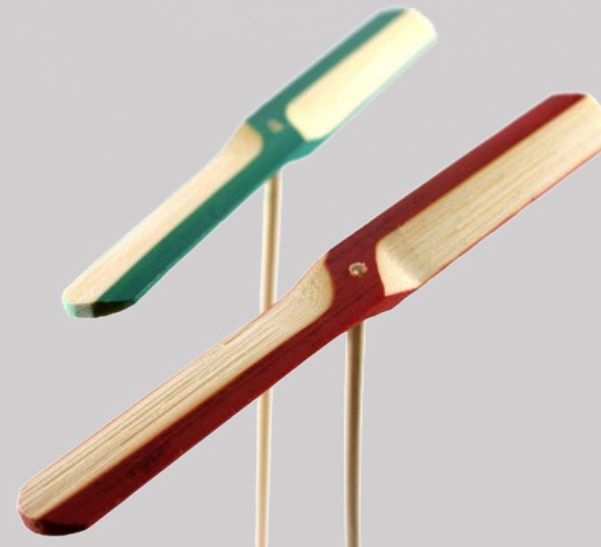
The important step is human interaction with the object to produce power. Repeat action to create design elements





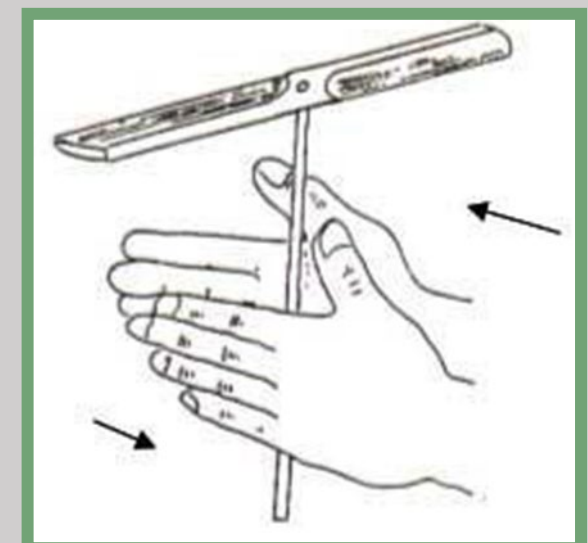
# Bamboo Dragonfly

Three Step to let bamboo dragonfly take off to landing.  
When it fly, the motion create a curve line, circle and swirl pattern

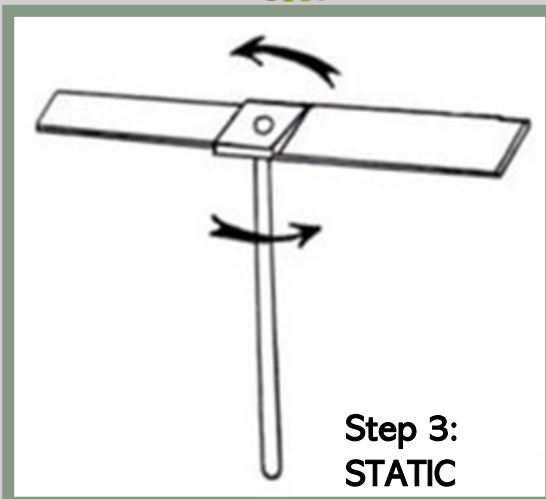


Step 2:  
MOVEMENT

Step 1:  
INTERACTION

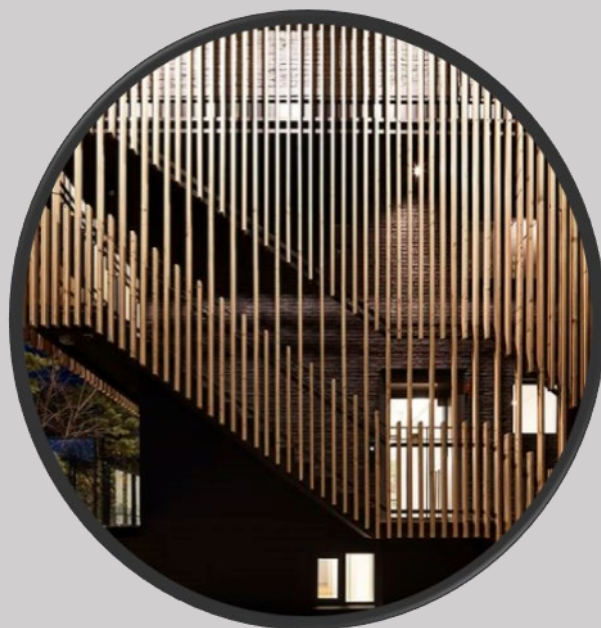
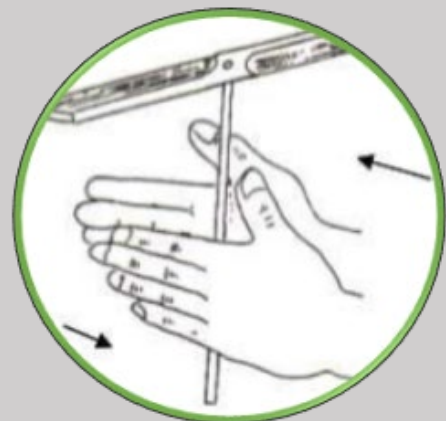


Bamboo dragonfly use human interaction to generate power. Then fry.  
Bicycle use the manpower to produce energy and move forward.  
Therefore, Bamboo Dragon fly is a flying bicycle.



Step 3:  
STATIC

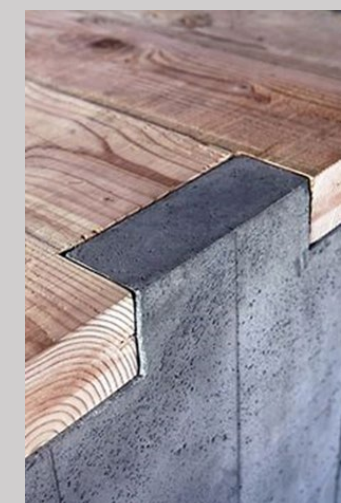




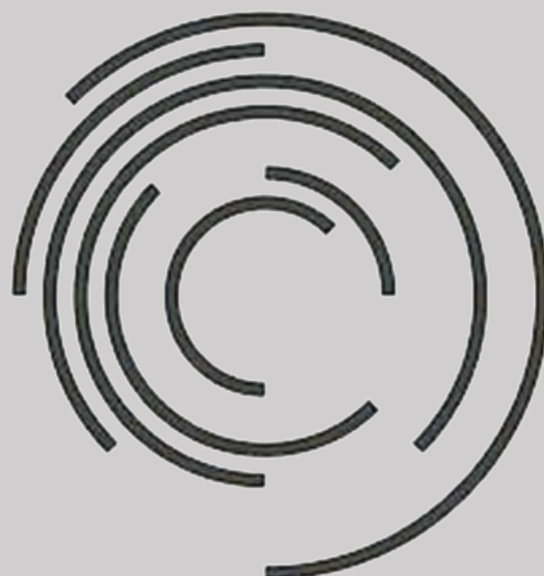
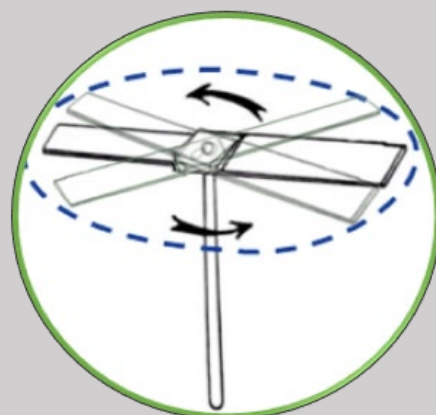
Interaction



Reference picture



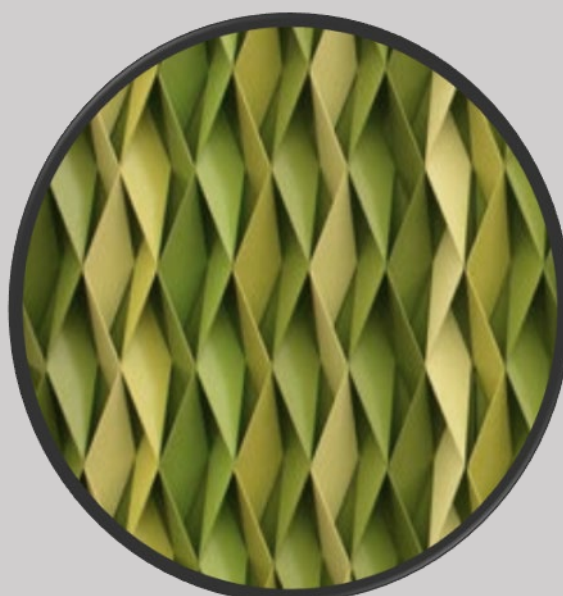
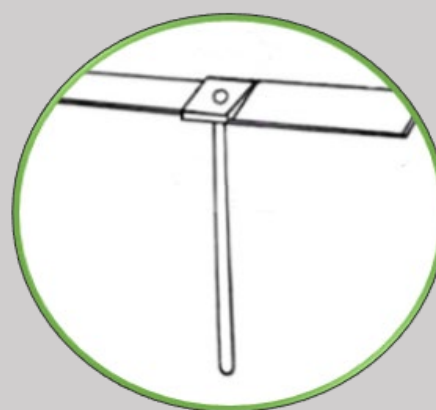
## Concept Development



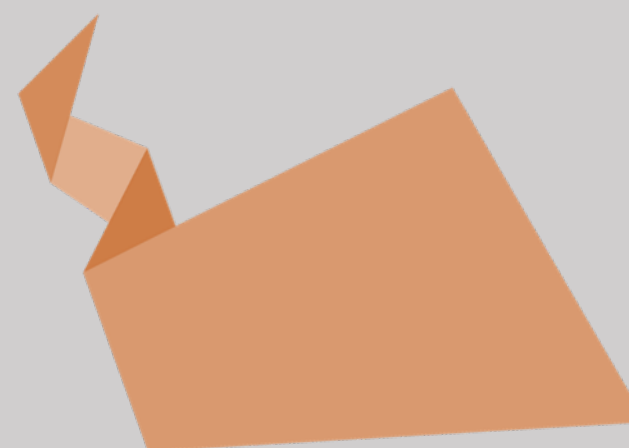
Movement



Reference picture



Static

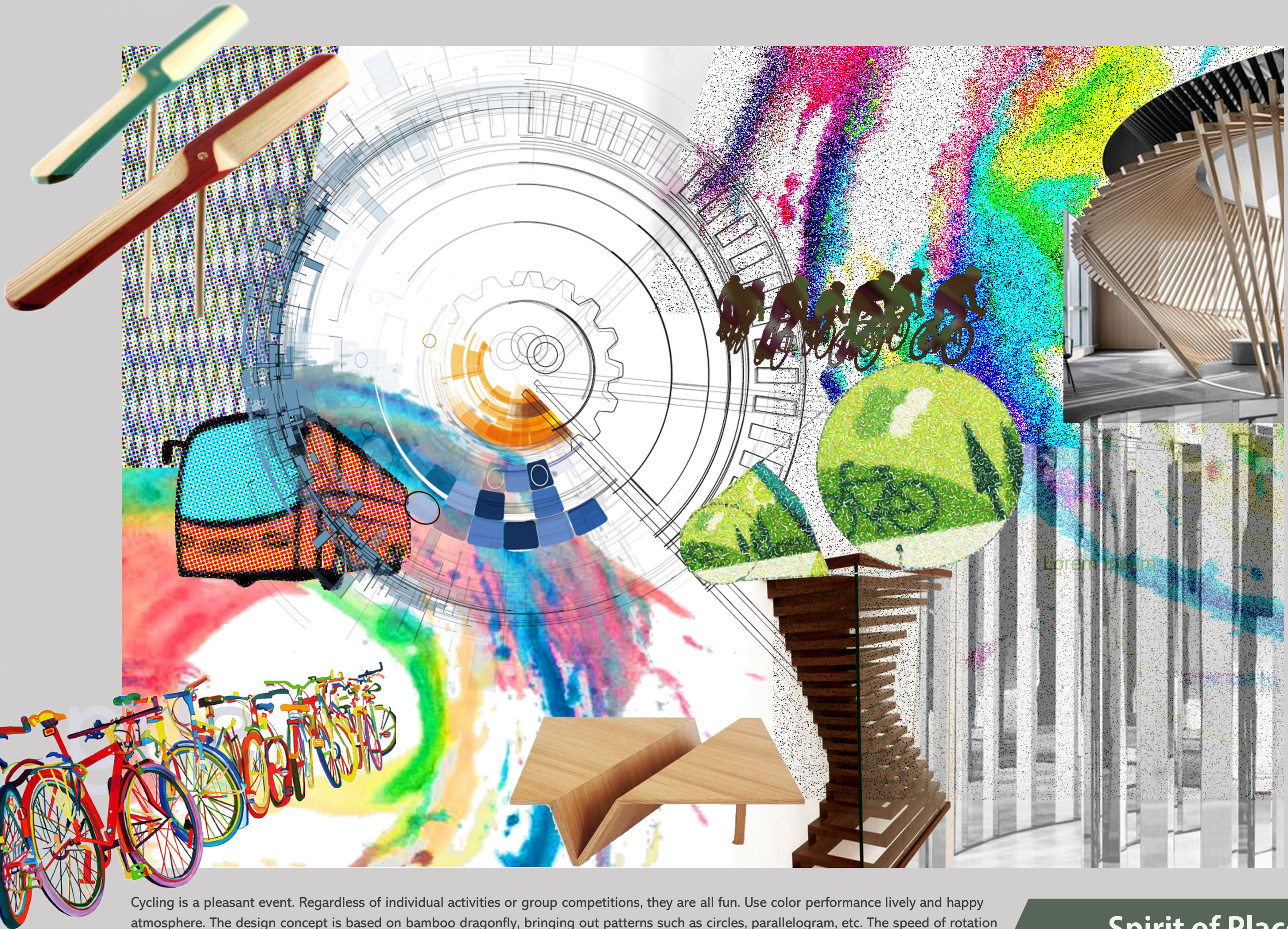


Reference picture



Develop the concept in a different form to present the three stages.





Cycling is a pleasant event. Regardless of individual activities or group competitions, they are all fun. Use color performance lively and happy atmosphere. The design concept is based on bamboo dragonfly, bringing out patterns such as circles, parallelogram, etc. The speed of rotation produces the dynamics of the vortex. It is regularly arranged when static

**Spirit of Place**



# 04

**Introduction**

**Site Information**

**Concept Development**

## **Design Development**

- Area specification - Zoning diagram - Matrix - Bubble diagram

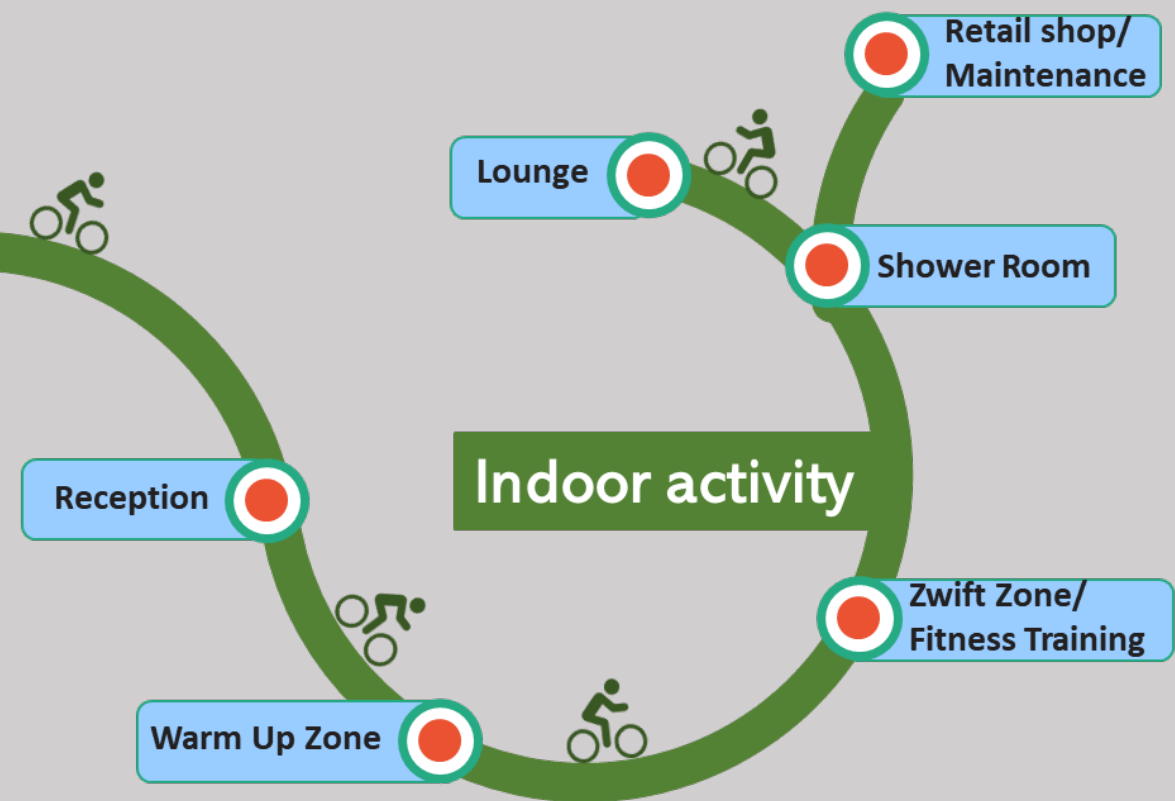
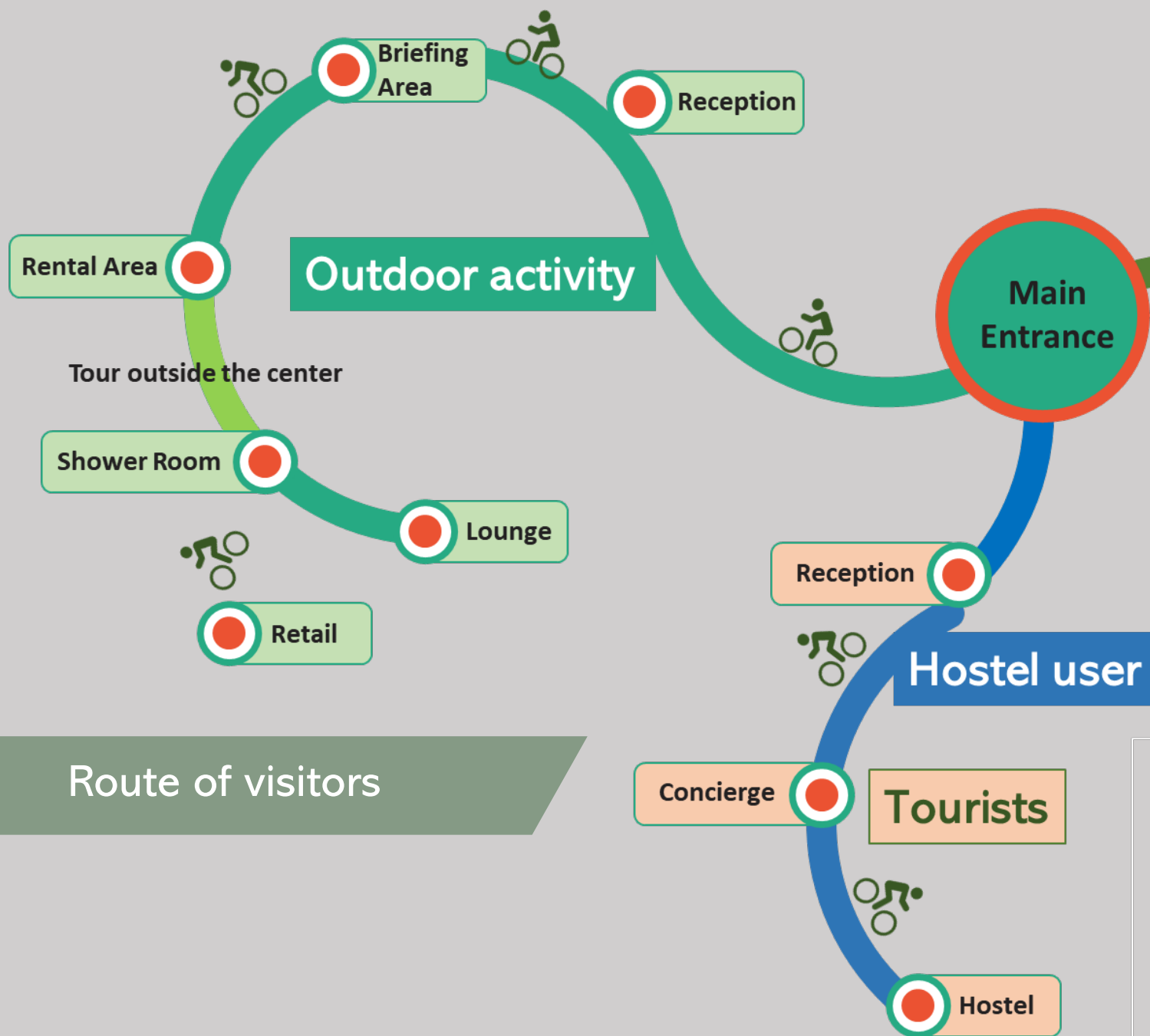
**Design Proposal**

**Material & Detail**

**Model Study**

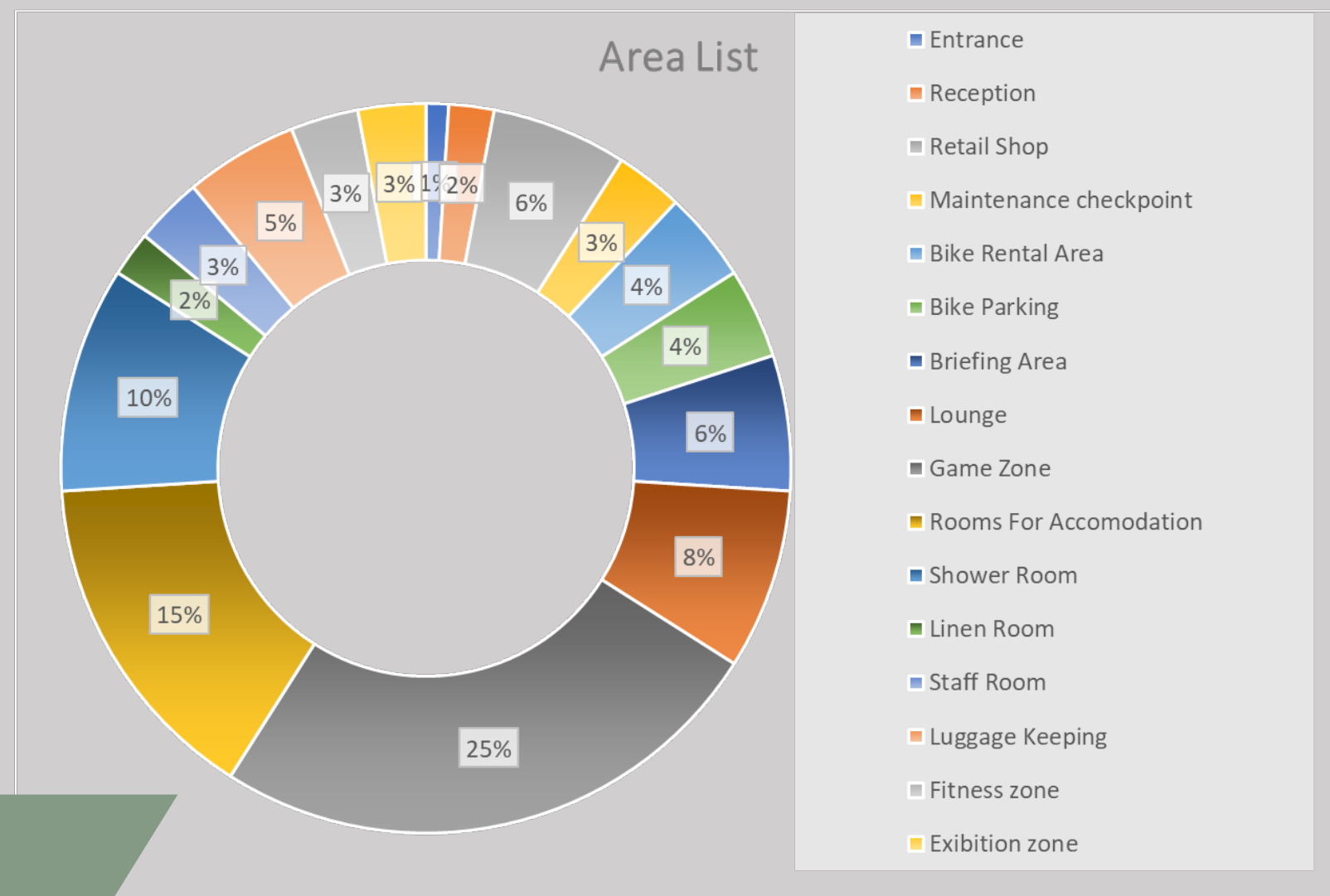






Route of visitors

Area List



- Entrance
- Reception
- Retail Shop
- Maintenance checkpoint
- Bike Rental Area
- Bike Parking
- Briefing Area
- Lounge
- Game Zone
- Rooms For Accomodation
- Shower Room
- Linen Room
- Staff Room
- Luggage Keeping
- Fitness zone
- Exhibition zone



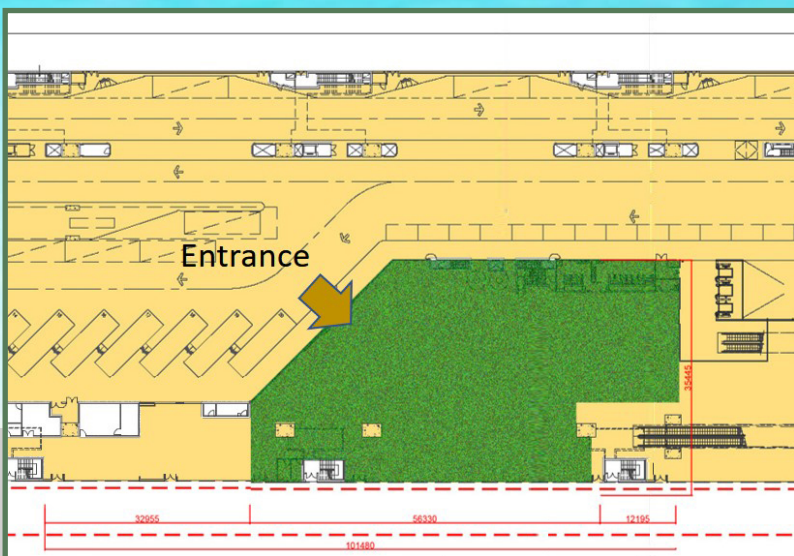
## Area Specification

Zoning	Area (sq.ft.)	No. of User	Working Hours	Function	Equipment and Furniture	Facilities
Entrance	/	/	24 hours	/		
Reception	1000sq. ft.	3 pers.	24 hours	<ul style="list-style-type: none"> <li>- Information</li> <li>- Check in &amp; out</li> </ul>	<ul style="list-style-type: none"> <li>- Reception Table</li> <li>- Computer</li> <li>- Cashier</li> <li>- Information leaflet storage</li> <li>- Kiosk Machine for check in and check out</li> <li>- Seat and table for waiting</li> </ul>	
Concierge	300sq ft.	1 pers	07:00 to 23:30	<ul style="list-style-type: none"> <li>- Help visitor to keep luggage</li> </ul>	<ul style="list-style-type: none"> <li>- Locker</li> <li>- rack</li> </ul>	
Security room	200 sq. ft.	/	24 hours	<ul style="list-style-type: none"> <li>- equipment for the whole center</li> </ul>	<ul style="list-style-type: none"> <li>- Security system</li> <li>- Computer server</li> </ul>	<ul style="list-style-type: none"> <li>- 24 hours ventilation</li> </ul>
Retail shop	2000 sq. ft.	5 pers.	09:00 to 20:30	<ul style="list-style-type: none"> <li>- Selling the sports wears</li> <li>- Selling the bicycle and component</li> </ul>	<ul style="list-style-type: none"> <li>- Cashier</li> <li>- Equipment for bike fitting</li> </ul>	<ul style="list-style-type: none"> <li>- Fitting room</li> </ul>
Maintenance checkpoint	800 sq. ft.	3 pers.	09:00 to 20:30	<ul style="list-style-type: none"> <li>- Bike Maintenance service</li> </ul>	<ul style="list-style-type: none"> <li>- Rack for Bike</li> <li>- Tools for maintenance</li> <li>- Working table</li> </ul>	
Bike Rental Area	500 sq. ft.	/	09:00 to 20:30	<ul style="list-style-type: none"> <li>- To storage the bicycle and gears (e.g. helmets..)</li> </ul>		<ul style="list-style-type: none"> <li>- Rack for bicycle</li> <li>- Rack for gear</li> </ul>
Bike Parking	300 sq. ft.	/	24 hours	<ul style="list-style-type: none"> <li>- Area which for cyclist to storage the bike</li> </ul>		<ul style="list-style-type: none"> <li>- Rack for bicycle</li> </ul>
Briefing Area	1500 sq. ft.	5 pers.	06:00 to 20:30	<ul style="list-style-type: none"> <li>- Area for visitor to get information</li> <li>- Area for briefing for bike tour</li> <li>- Area for sharing talk for visitor</li> </ul>	<ul style="list-style-type: none"> <li>- AV system</li> <li>- Seats</li> <li>- Map</li> </ul>	
Lounge	2000 sq. ft.	20 pers.	06:00 to 20:30	<ul style="list-style-type: none"> <li>- Area for biker to finish the tour and take a rest</li> <li>- Provide food and drink for visitor</li> <li>- Area for visitor to communication</li> </ul>		<ul style="list-style-type: none"> <li>- Seat place</li> <li>- Table</li> </ul>
Game Zone	4000 sq. ft.	50 pers.	09:00 to 23:00	<ul style="list-style-type: none"> <li>- Area for indoor cycling</li> <li>- Mainly work on Zwift programme</li> <li>- Indoor training</li> </ul>	<ul style="list-style-type: none"> <li>- Trainer and Roller</li> <li>- AV system</li> <li>- Computer</li> </ul>	
Hostel	3000 sq. ft	30 beds	24 hours	<ul style="list-style-type: none"> <li>- Sleeping area for bikers</li> </ul>	<ul style="list-style-type: none"> <li>- Bunk beds</li> <li>- individual room</li> </ul>	
Shower Room	1200 sq.ft.	10 pers.	24 hours	<ul style="list-style-type: none"> <li>- A share space for bikers who finish the tour, indoor cycling and stay overnight.</li> </ul>	<ul style="list-style-type: none"> <li>- Shower tub</li> </ul>	
Linen Room	600 sq.ft.	3 pers.	24 hours	<ul style="list-style-type: none"> <li>- Storage the bed sheet, pillow for hostel use</li> </ul>	<ul style="list-style-type: none"> <li>- Rack</li> </ul>	
Staff Office	800 sq.ft.	10 pers.	08:30 to 18:00	<ul style="list-style-type: none"> <li>- Internal office for all staff</li> </ul>	<ul style="list-style-type: none"> <li>- Working table and chair</li> <li>- computer</li> </ul>	



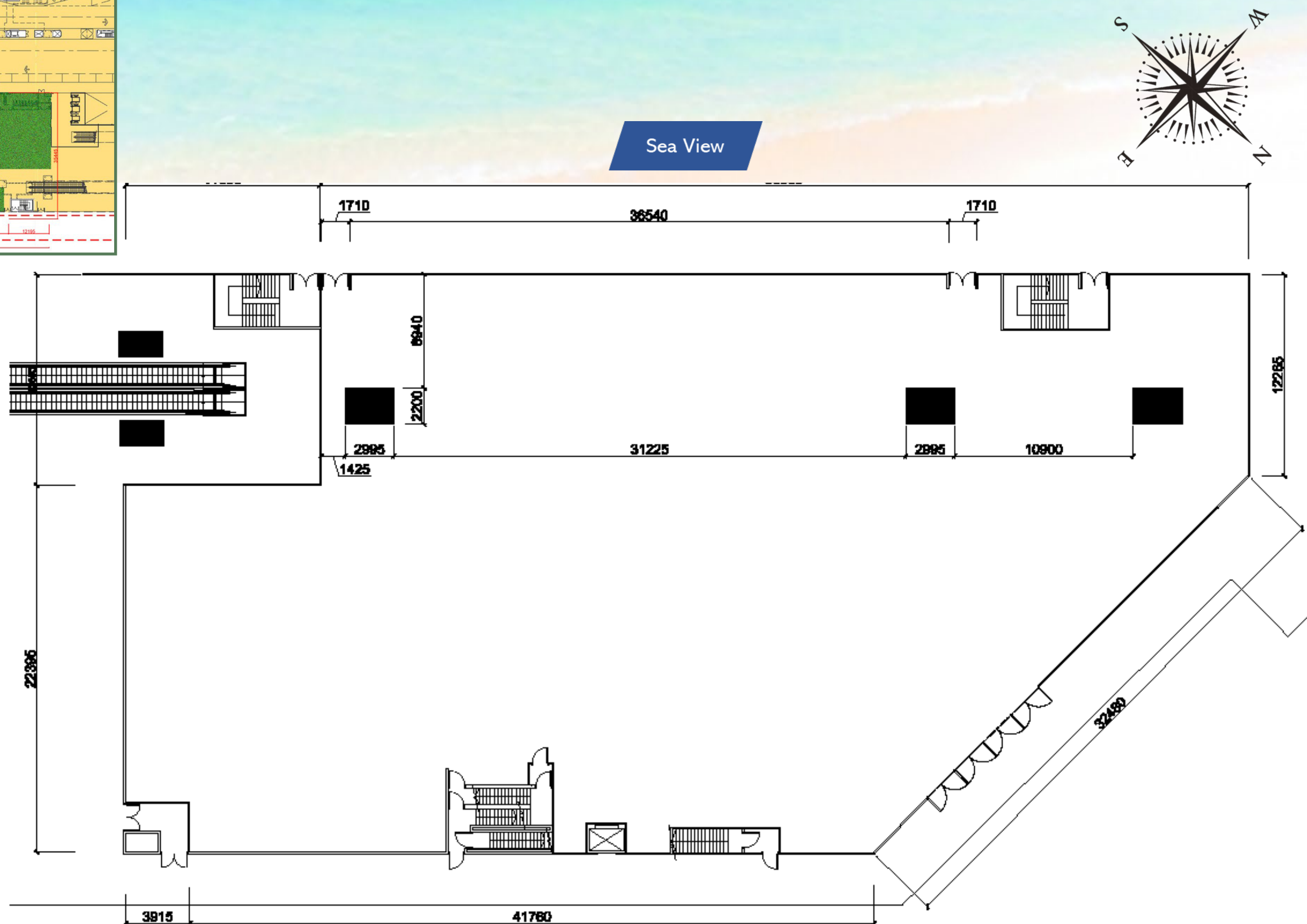






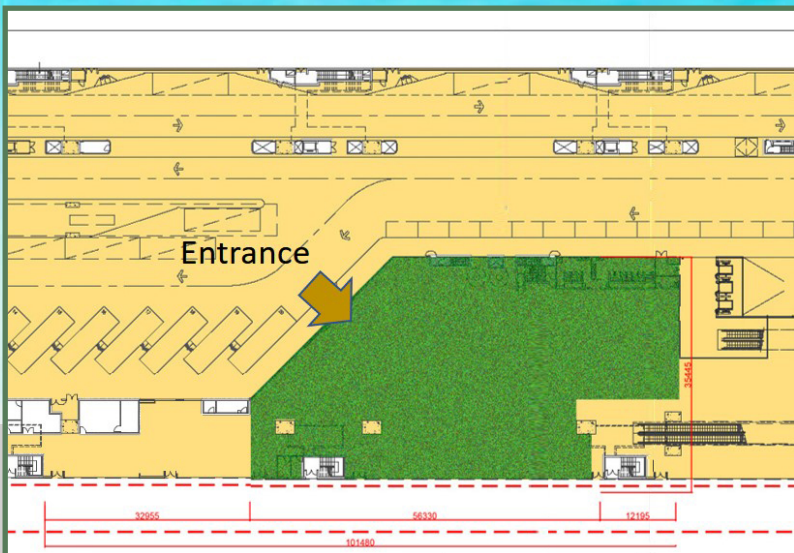
#### Information of Site:

Size of the site area :  
2110 sq. meter  
Height of G/F to 1/F:  
8500mm (Floor to floor)



Existing Plan

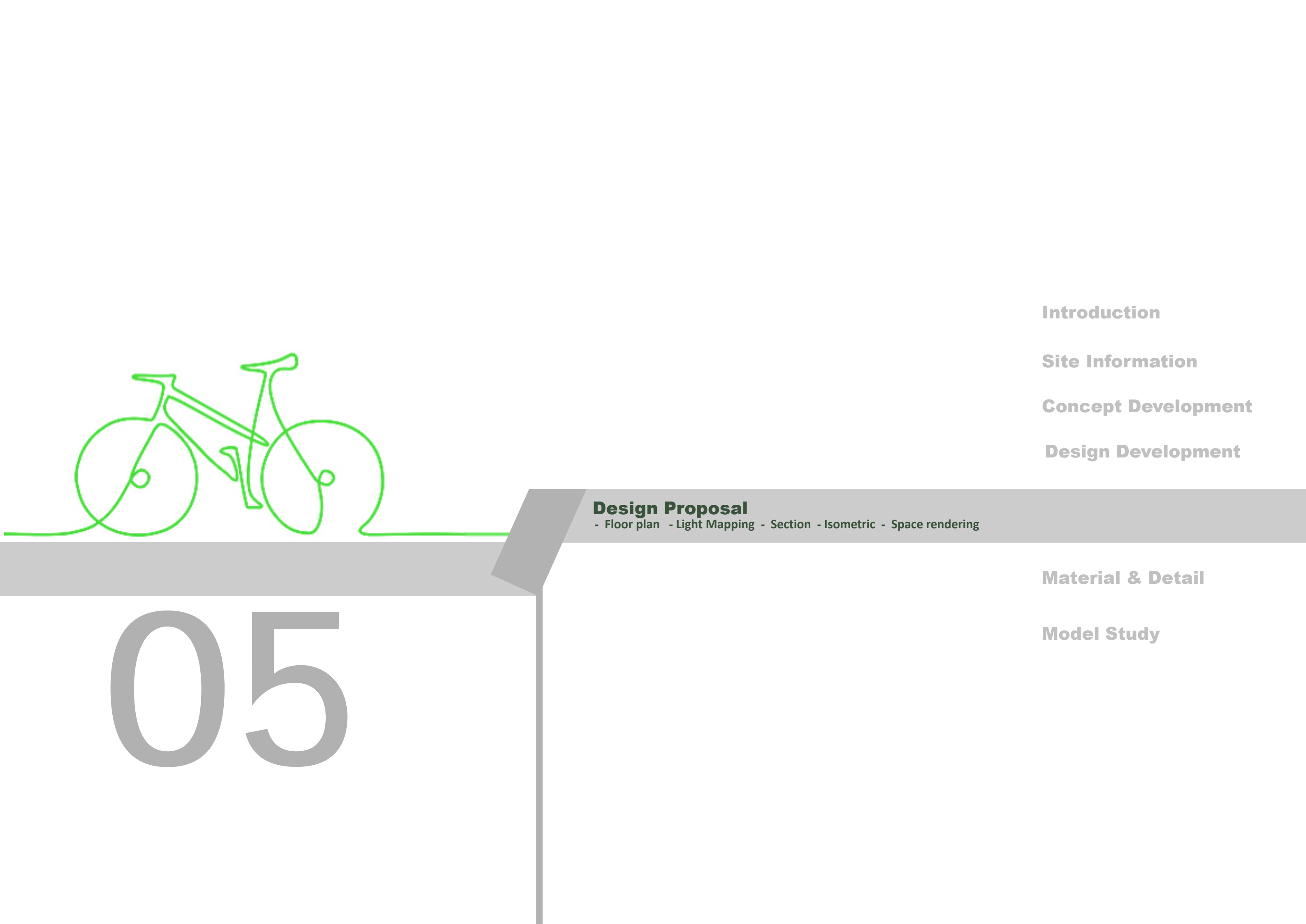




Game area centrally located, offers many routes for visitors. And lounge arrange at sea view side. The hostel will be away from the entrance, who live a quieter space

**Block Diagram**





**Introduction**

**Site Information**

**Concept Development**

**Design Development**

**Design Proposal**

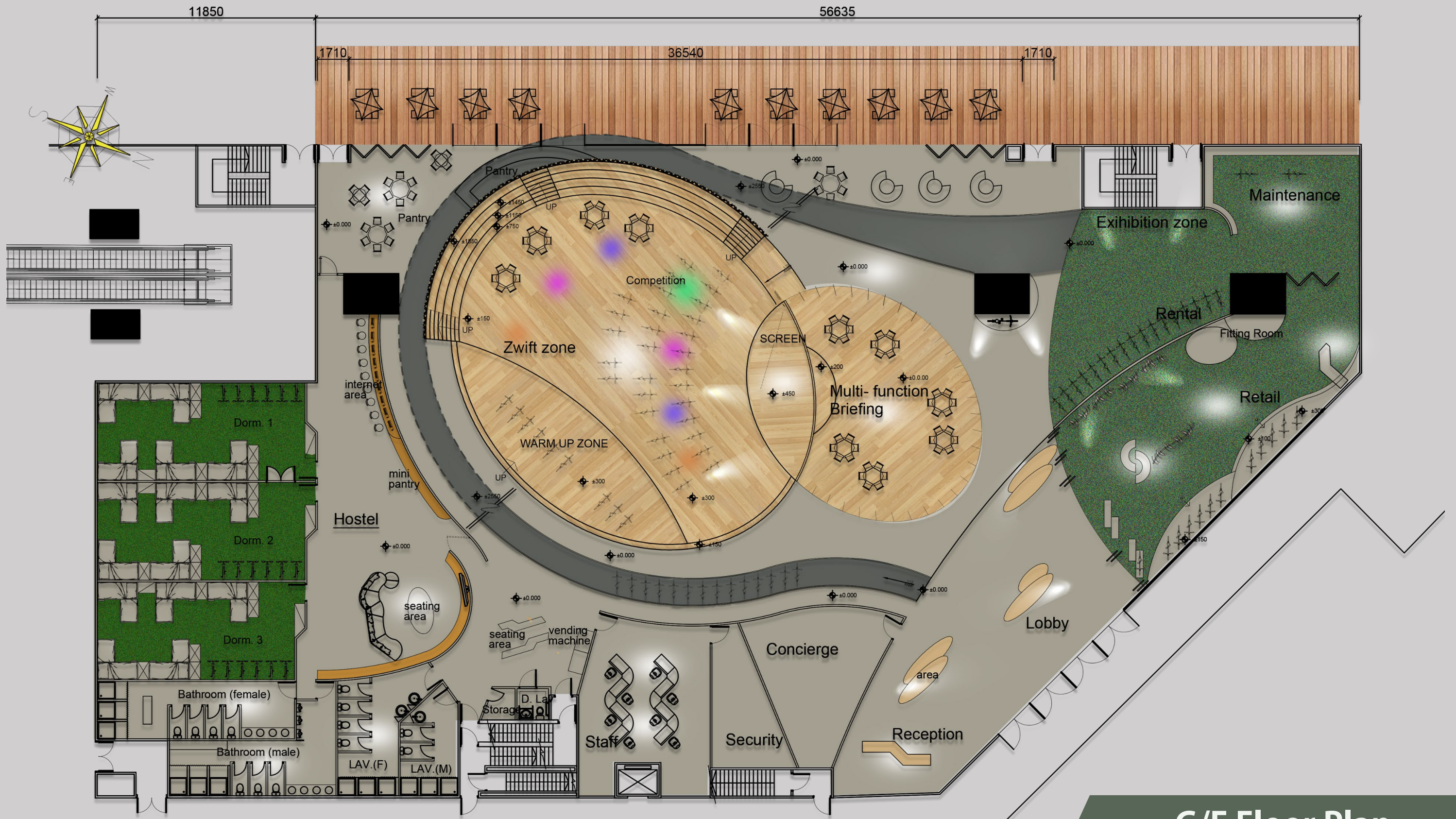
- Floor plan - Light Mapping - Section - Isometric - Space rendering

**Material & Detail**

**Model Study**

05





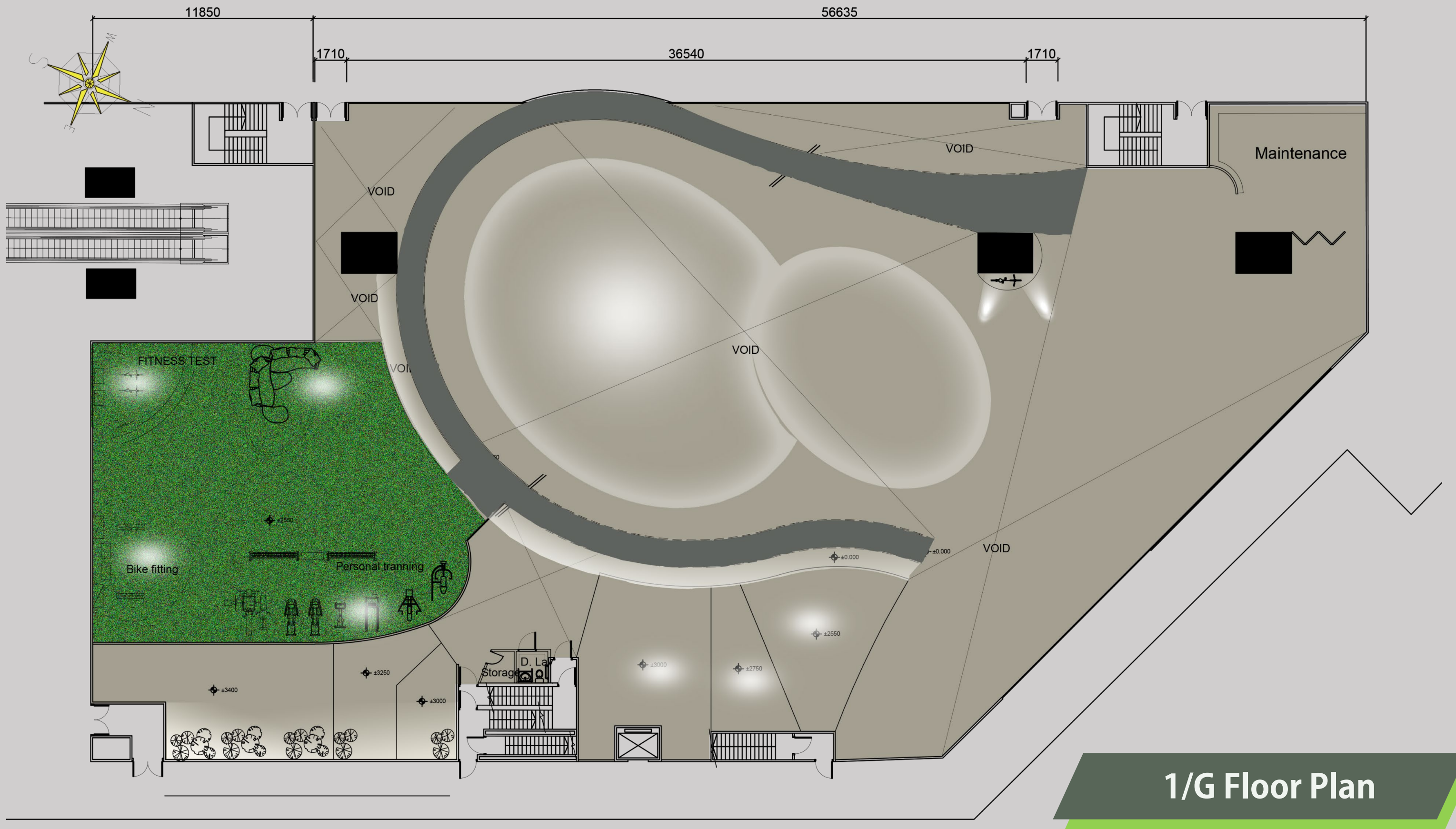
G/F Floor Plan





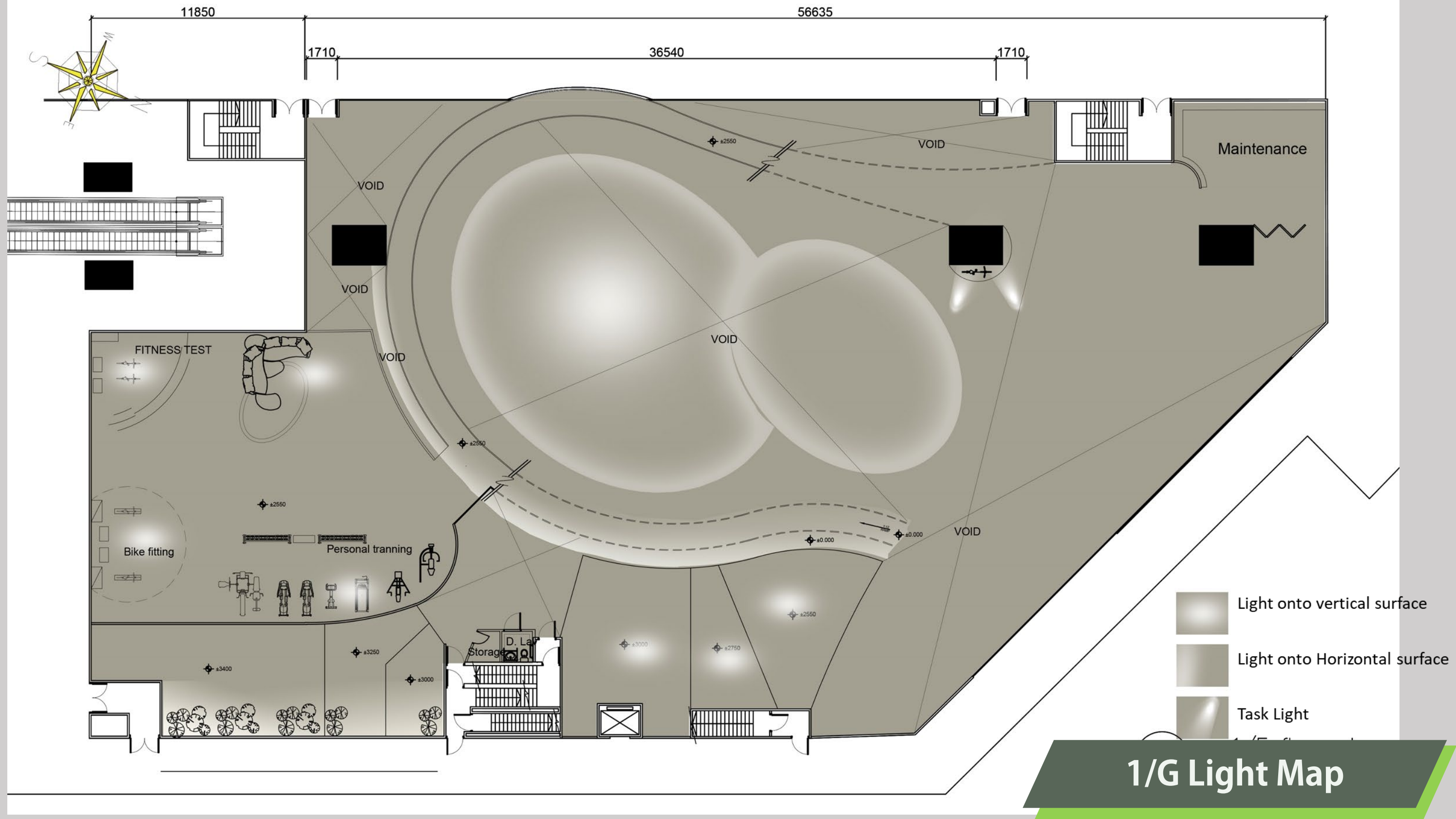
G/F Light Map





1/G Floor Plan

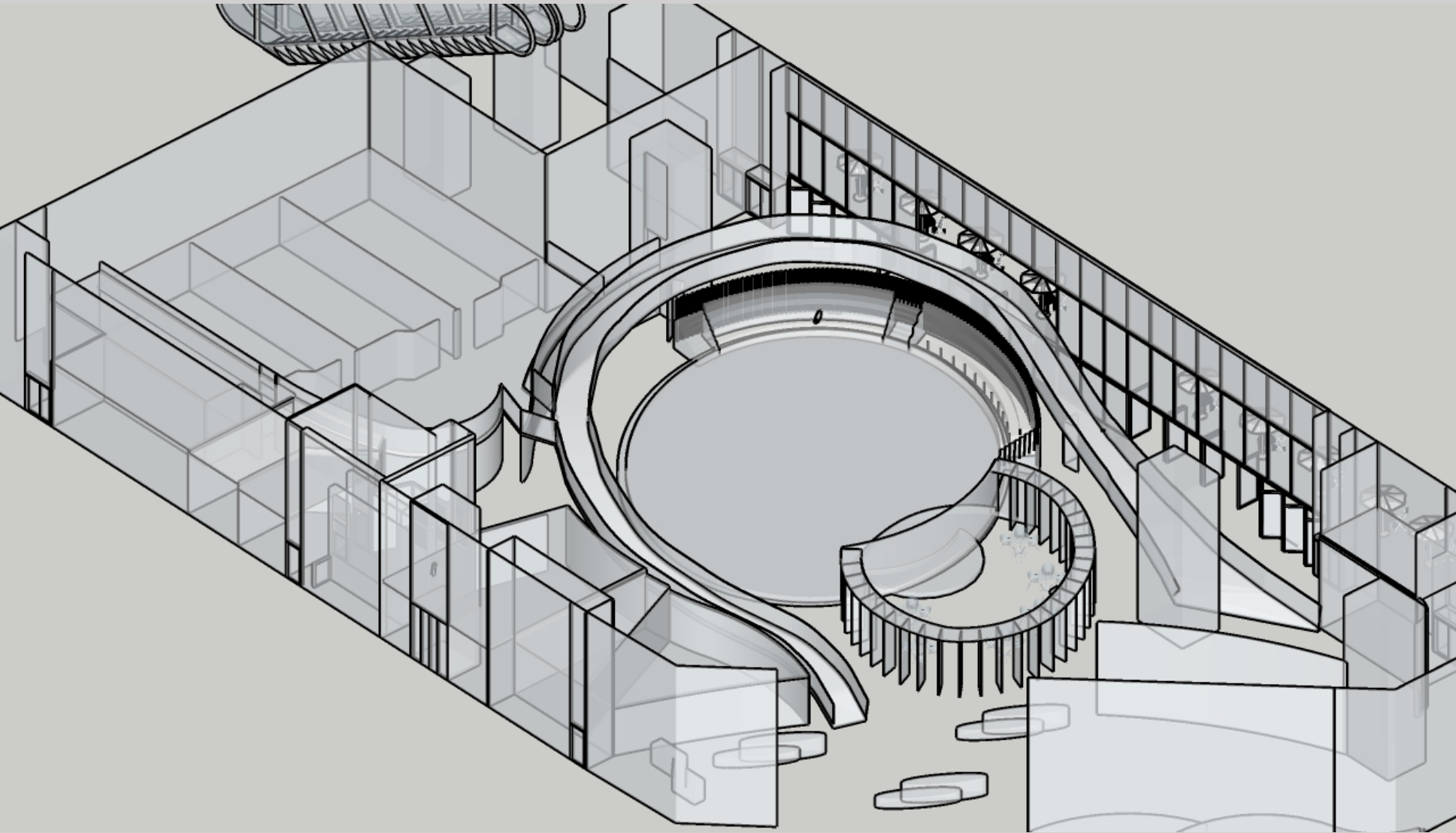




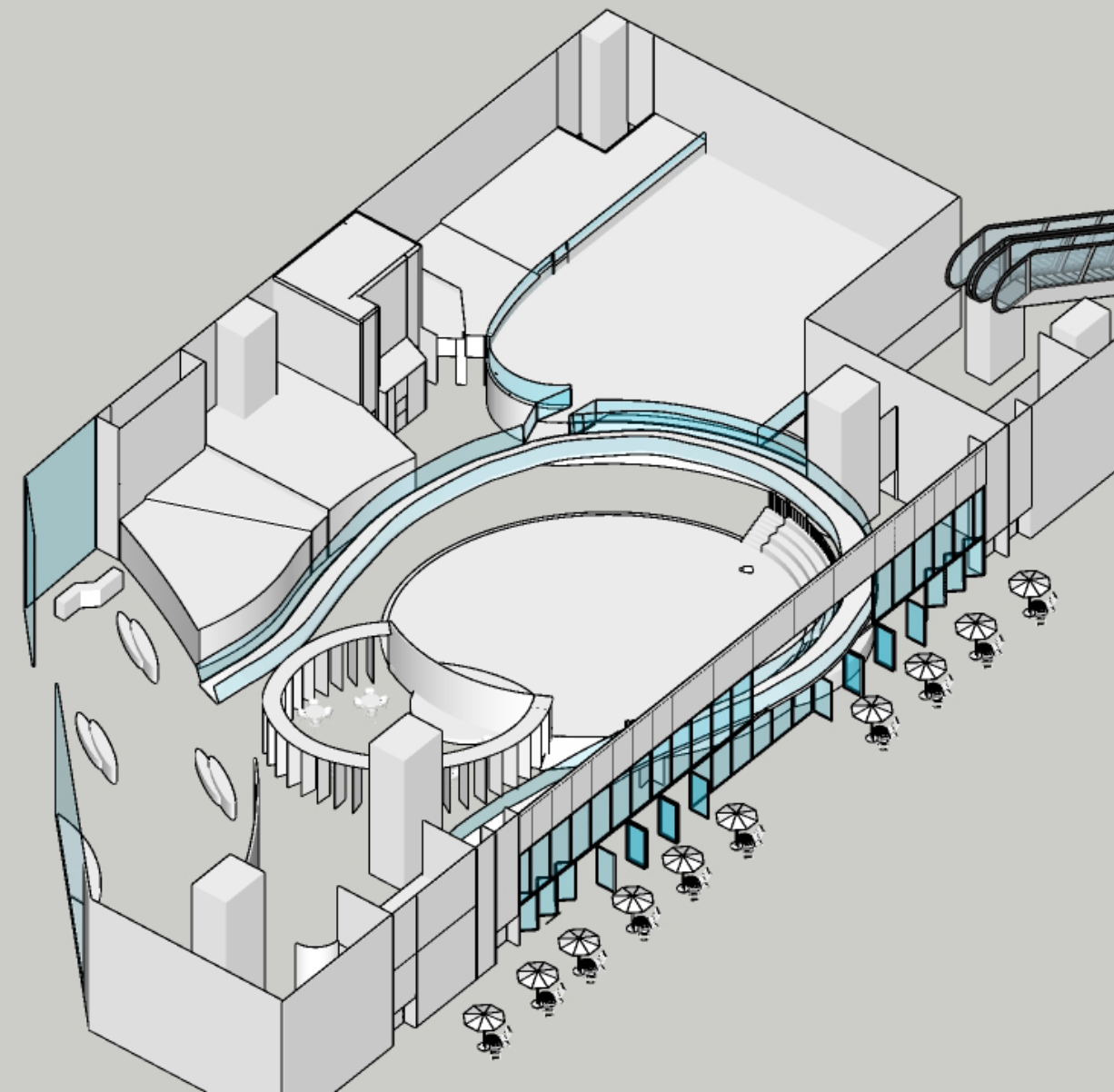
1/G Light Map



## Isometric



Isometric shows that the two levels of space are connected by a runway. The game zone is open and in round shape, full height, surrounded by the runway. Hostel is in a hidden position behind, separated by the runway. The first-floor use in fitness test area.





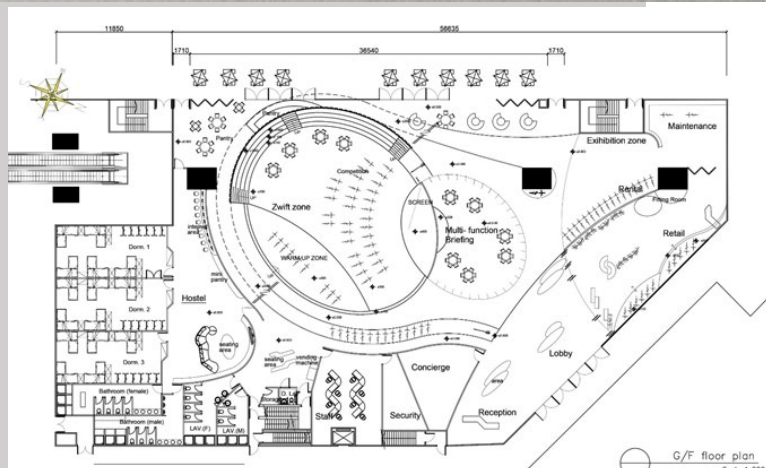
# Shopfront



The central location is hidden in the building. The design elements match the polished copper material. Reflective surface increases visual focus to attract way to find the centre position



Concrete flooring

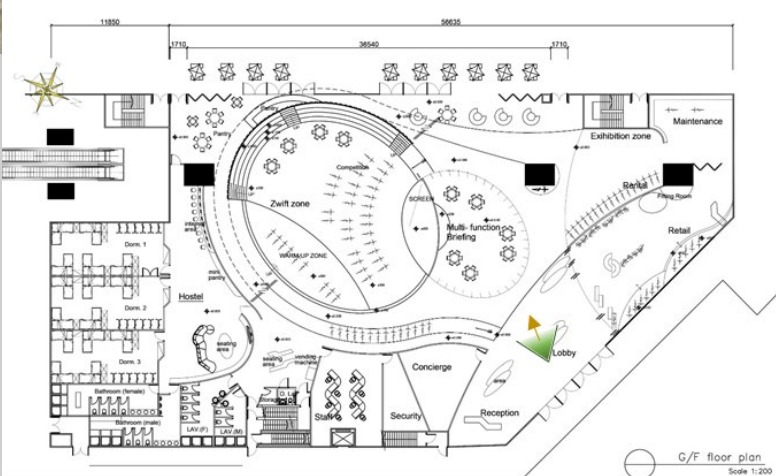




# Reception & Lobby



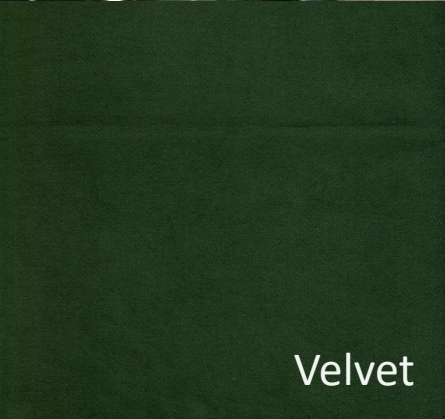
The reception offers visitors a wide space used as advisory information. Design elements will be placed on false ceilings and walls with matte surfaces and environmentally friendly materials.



Concrete flooring



Wall covering (timber)



Velvet



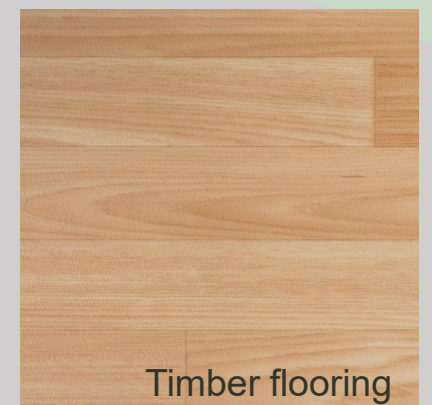
Timber finish



# Game Zone



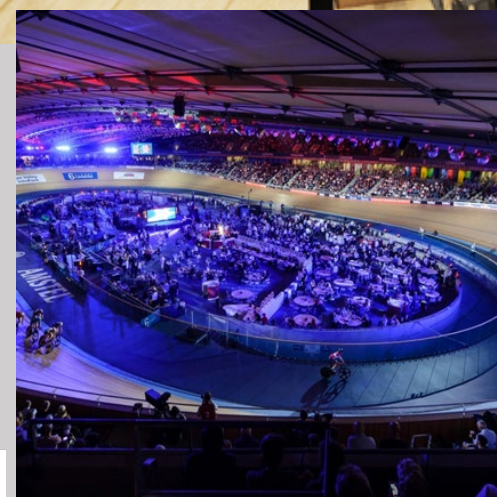
The game zone is an important part of this design. The materials are mainly light wood finishes. This is a reference to the colour of the indoor cycling field. The ceiling height of 5 meters can bring a sense of space. The design element operates as a false ceiling and is coupled with a ceiling fan to increase air convection for the visitor.



Timber flooring



Concrete flooring

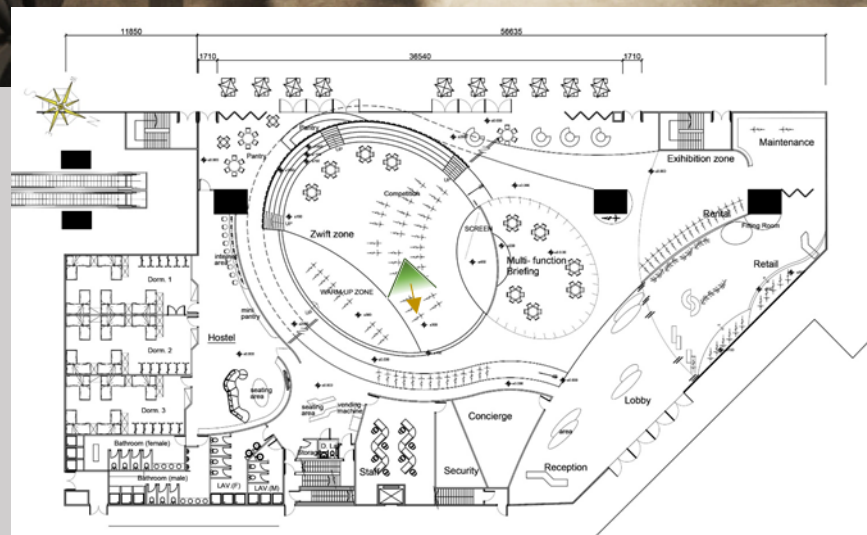




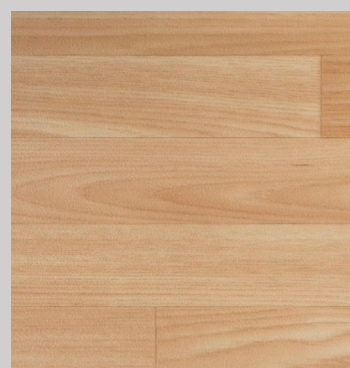
# Bike Parking



Bike parking is set along the bottom of the overpass. In addition to placing bicycles for cyclists, it also regulates visitors to walk along designated roads.



Wall covering (timber)



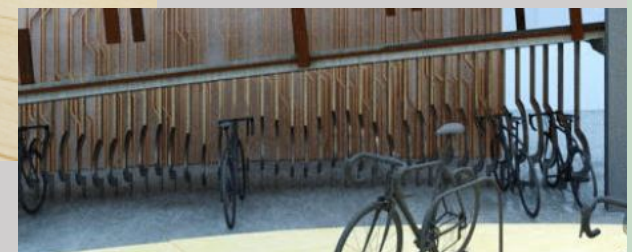
Timber flooring



Washed granolithic



Concrete flooring

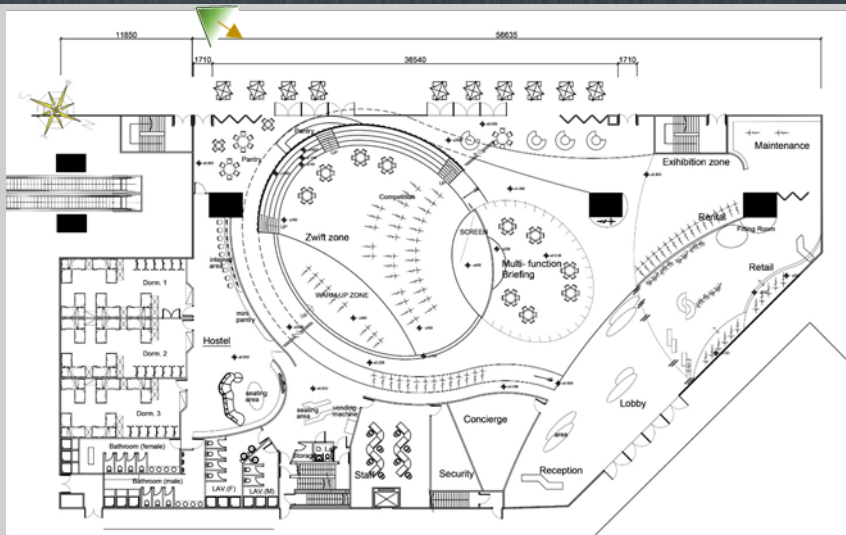




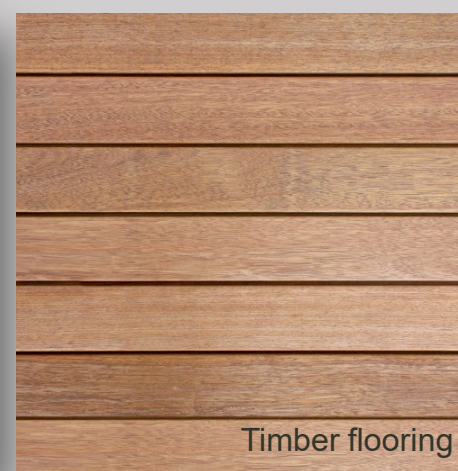
# Lounge



The outdoor space is facing the sea view of Victoria Harbour, Facing to the west, the Lounge located here and the visitor have most beautiful sea view.



Feature Glass



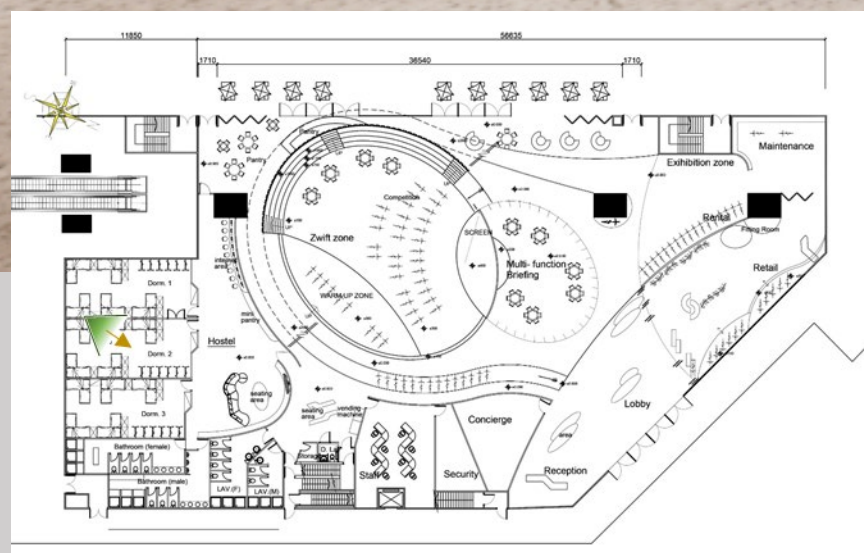
Timber flooring



# Hostel



The simple layout makes the space more practical, using earth tones and wood materials to create a comfortable space.



Feature glass



Innovative Rubber Flooring



Innovative Rubber Flooring



Wall covering (timber)



**Introduction**

**Site Information**

**Concept Development**

**Design Development**

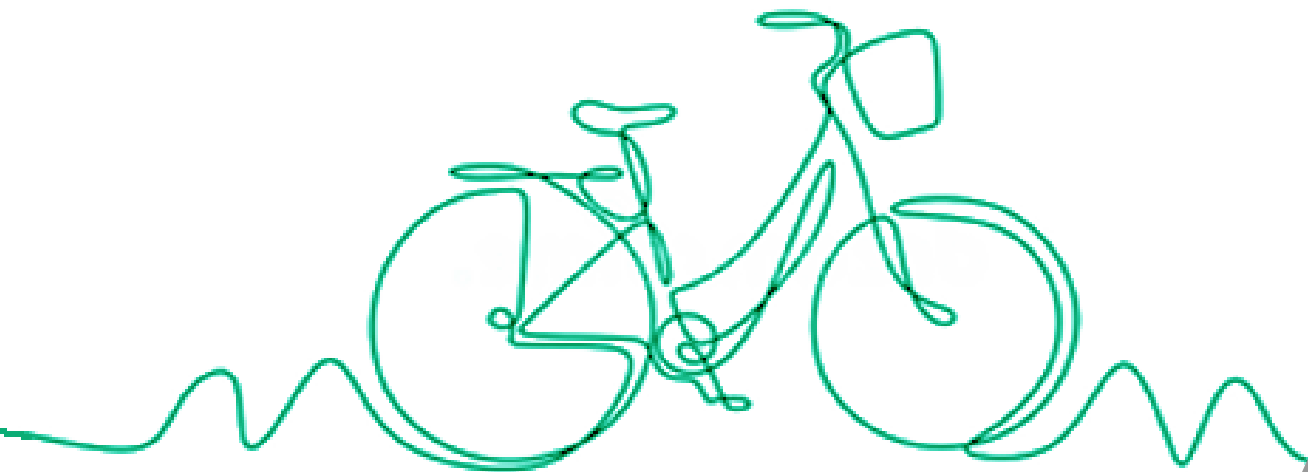
**Design Proposal**

**Material & Detail**

-Material board -Detail -Prototyping

**Model Study**

06







Glass in grey color

Wallpaper

Stainless Steel

velvet

Wall covering (timber)

Acoustic panels

Matt spray  
In black color

Timber flooring

Terrazo flooring

Concrete flooring

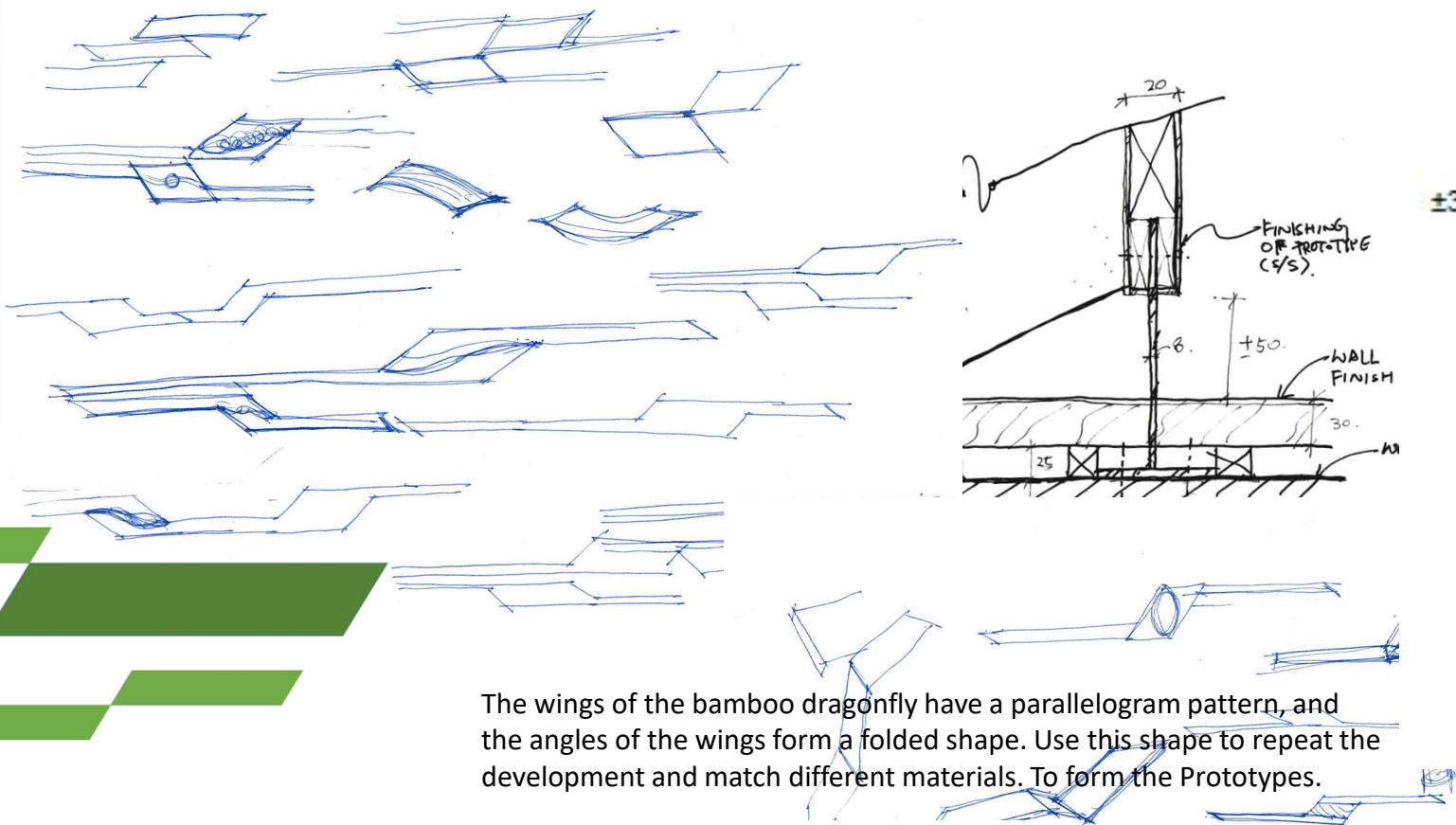
Plastic Laminate

Rubber Flooring

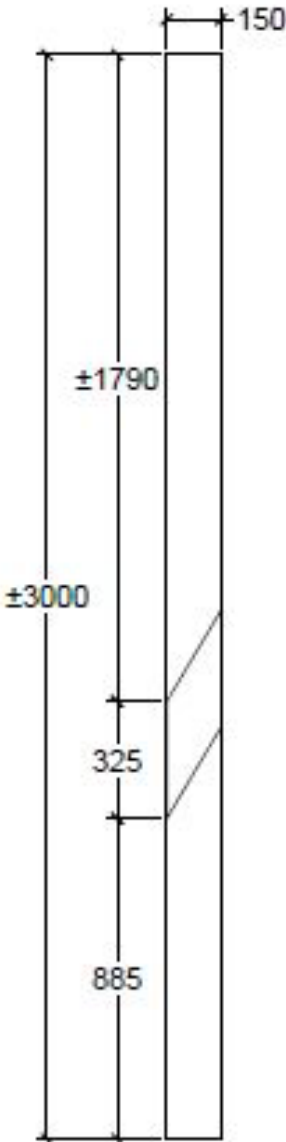
# Material



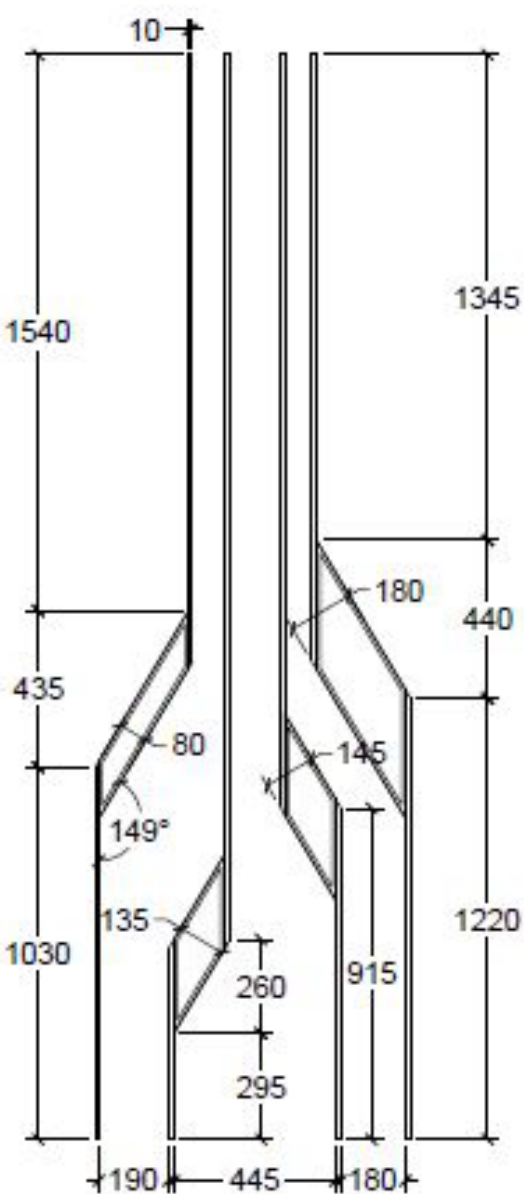
# Prototype



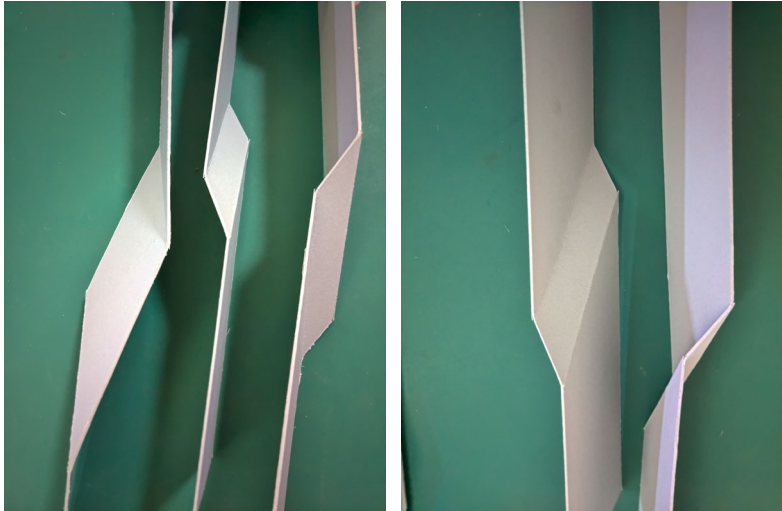
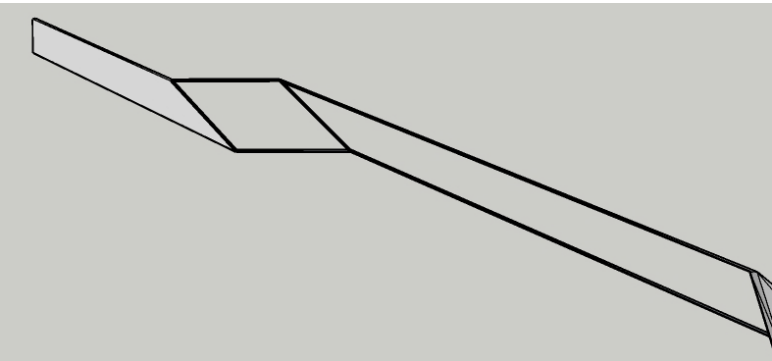
The wings of the bamboo dragonfly have a parallelogram pattern, and the angles of the wings form a folded shape. Use this shape to repeat the development and match different materials. To form the Prototypes.



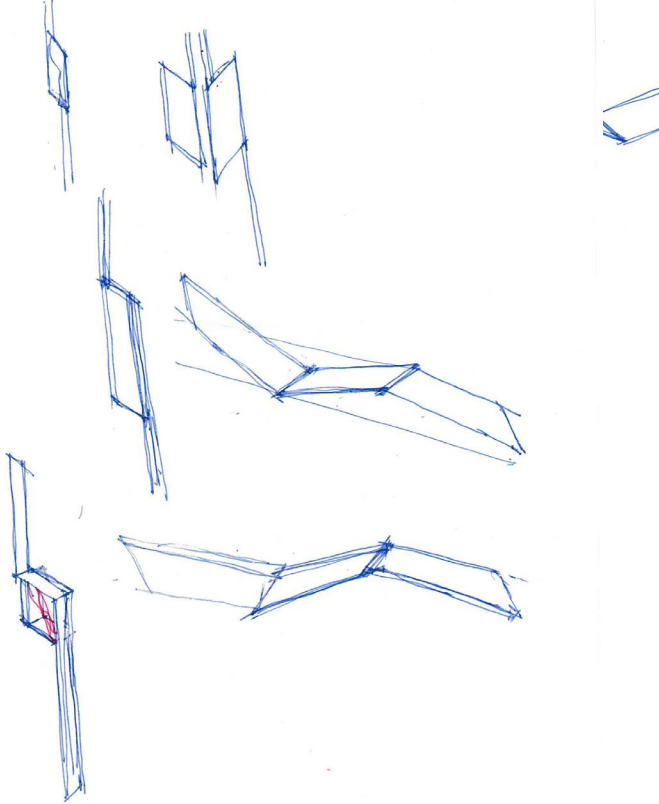
Side View



Front View



mockup

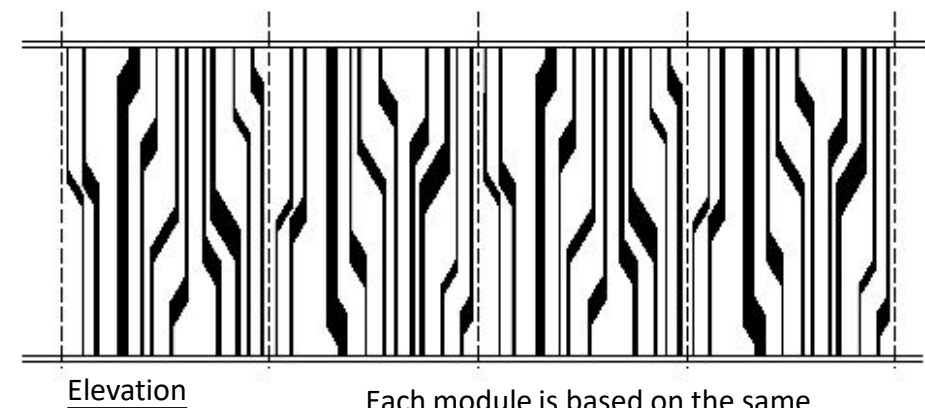
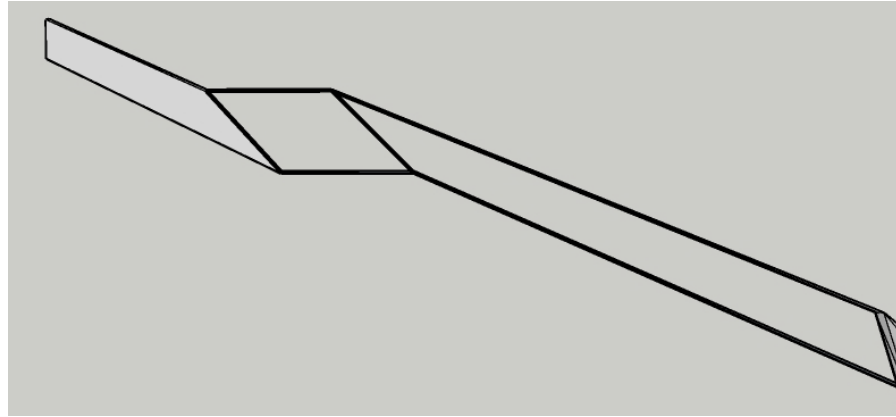


Perspective





# Prototype



Elevation

Each module is based on the same concept. Repeat shapes and scale them to shapes from different features to apply to different areas. The module is base on four combinations and made it in panel to made with different materials and match different areas. Different sizes can be adjusted with each other to produce more configurations.



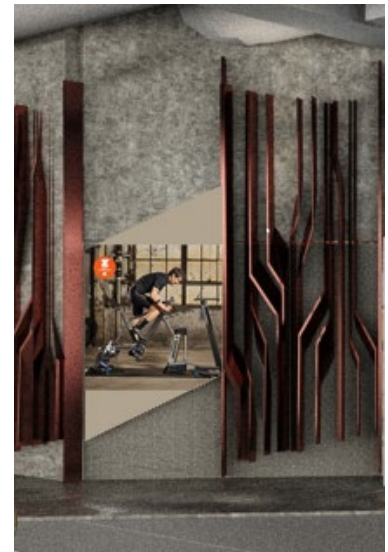
Use copper finishing to being the shopfront



The Feature wall at the Reception Area



Install 3D shapes on the ceiling, cooperate with fans to increase air flow



Shape change to use in poster application



Prototype Model



The 2D shape being the feature wall



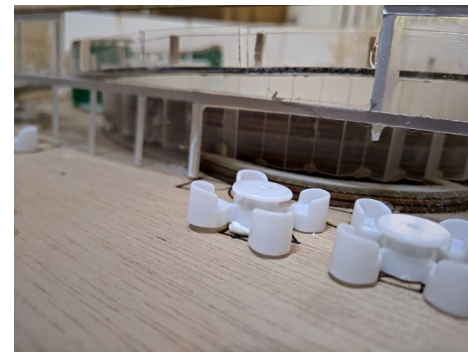
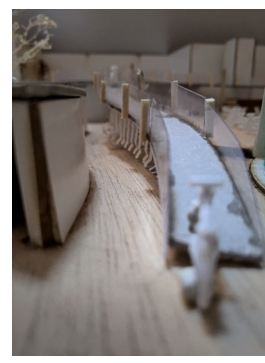
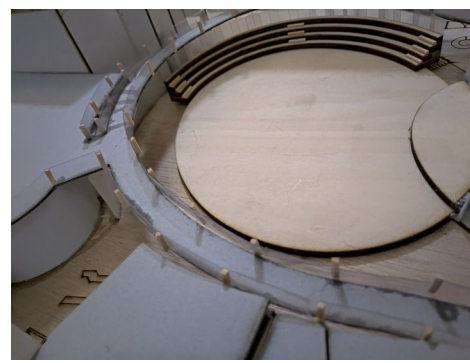
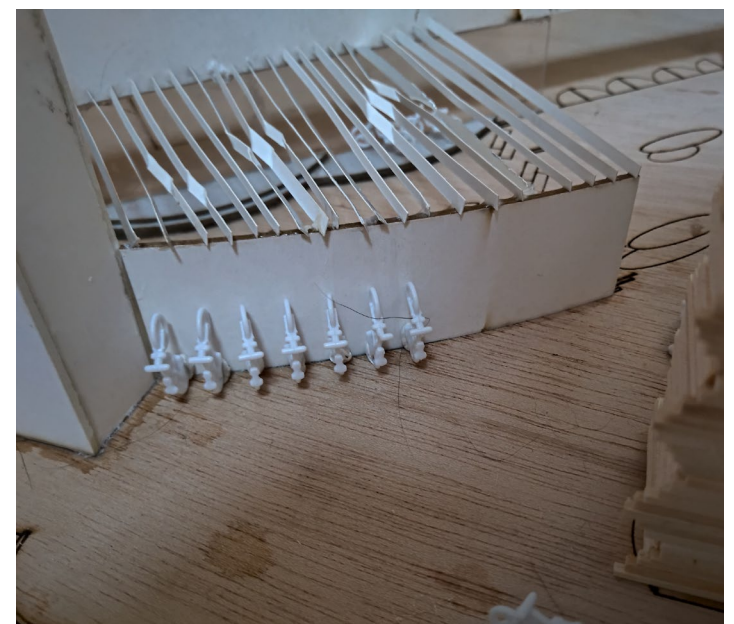
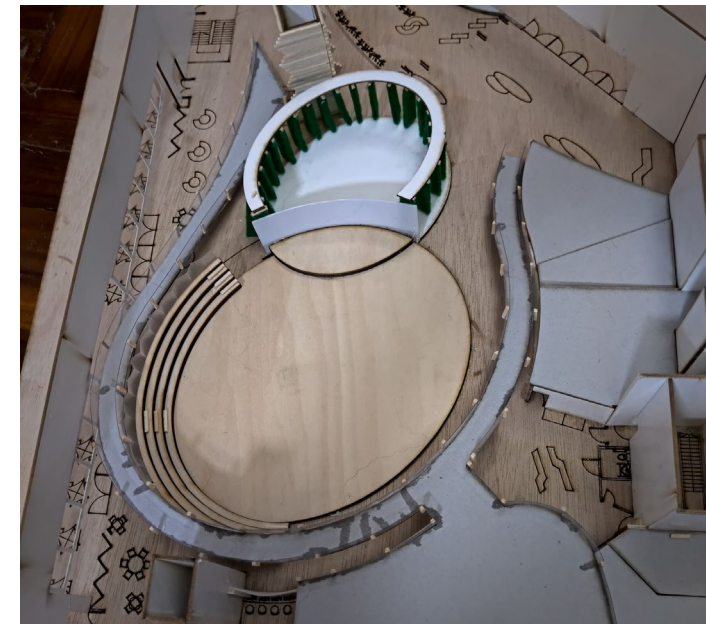
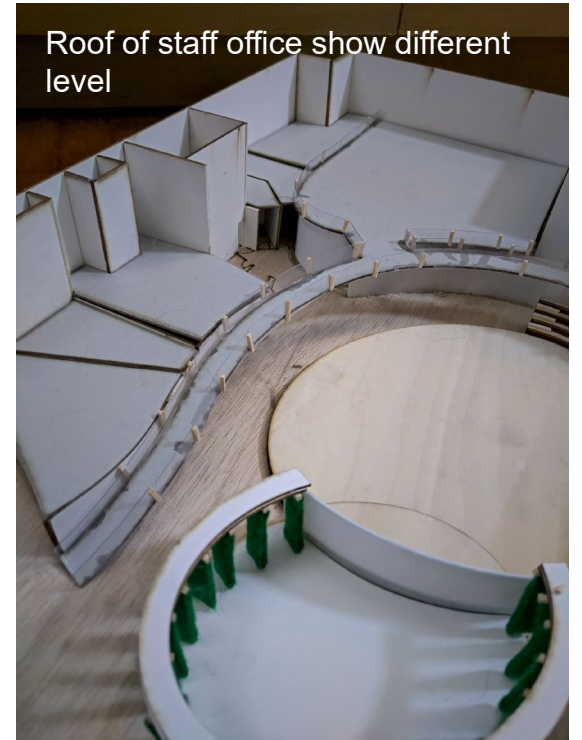
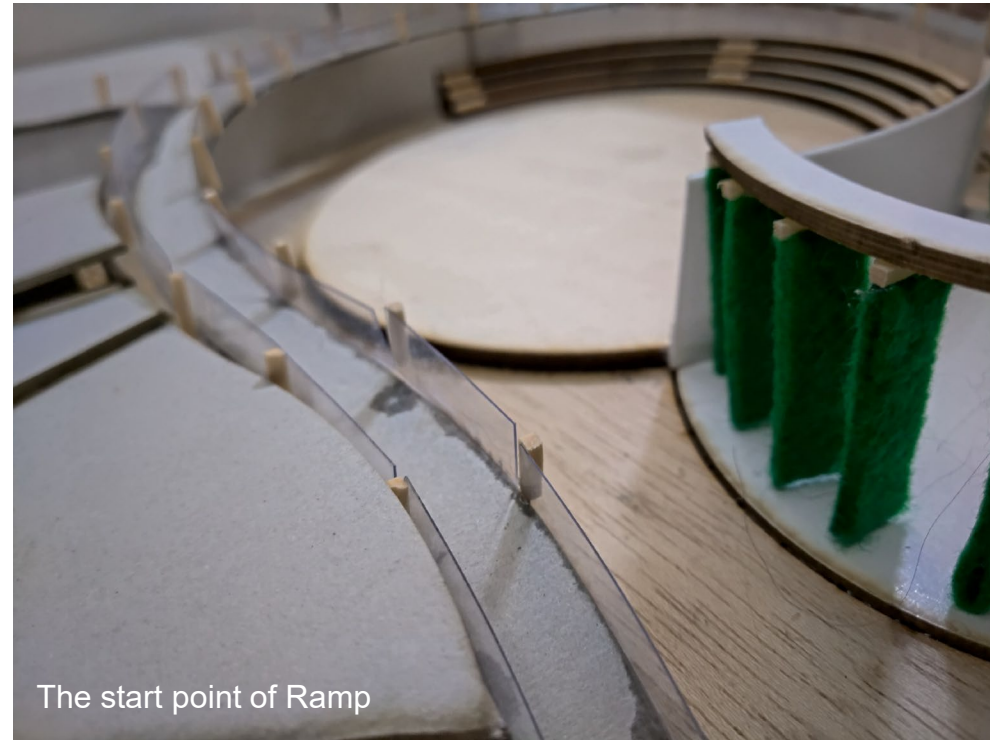
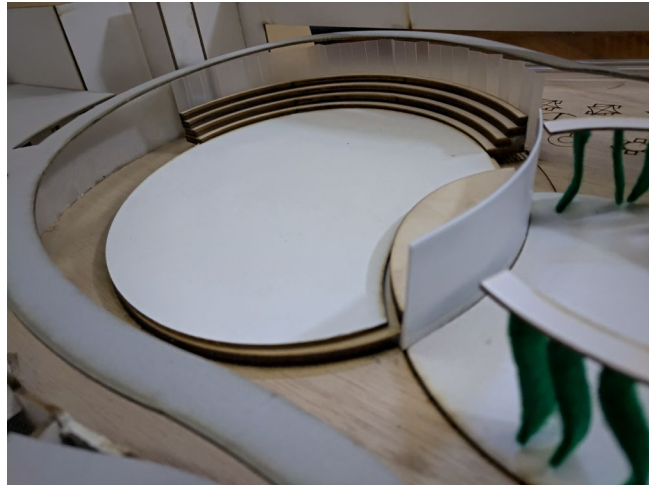
07

**Model Study**  
- Model





# Model





## **CHEER LUTHERAN CENTRE HONG KONG LUTHERAN SOCIAL SERVICE, KC-HKS We cycle**

<http://cheer-ccpsa.hklss.hk/we-cycle2/>

## **TUNG WAH GROUP OF HOSPITALS BiciLine**

<http://biciline.tungwahcsd.org/>

## **HK Cycling Tour Association**

<http://www.hkcta.org.hk/>

## **Six Day Series**

<https://sixday.com/>

## **Hong Kong Tourism Board**

<http://www.discoverhongkong.com/uk/see-do/events-festivals/highlight-events/cyclothon.jsp>

## **Bike Map**

<https://www.bikemap.net/en/l/1819730/?interacted=true>

## **Bike the moment**

<https://bikethemoment.com/tinkwongride/>

## **Hong Kong01 news**

<https://www.hk01.com/%E7%A4%BE%E5%8D%80%E5%B0%88%E9%A1%8C/274577/%E5%96%AE%E8%BB%8A%E5%87%BA%E8%A1%8C%E4%B8%80%E5%AE%9A%E5%8D%B1%E9%9A%AA-%E5%96%AE%E8%BB%8A%E5%BE%91%E5%94%94%E6%AD%A2%E4%B8%80%E7%A8%AE-%E8%8B%B1%E5%9C%8B%E4%BB%B2%E6%9C%89-%E5%96%AE%E8%BB%8A%E9%AB%98%E9%80%9F%E5%85%AC%E8%B7%AF>

## **Zwift**

<https://zwift.com/>

## **Brompton**

<https://www.brompton.com/>

## **Giant Adventure**

<https://www.giantcyclingworld.com/travel/>

## **Kai Tak Cruise Terminal**

<https://www.kaitakcruiseterminal.com.hk/>

## **Energizing Kowloon East**

<https://www.ekeo.gov.hk/tc/home/index.html>

## **Kai Tak Development Urban Design Guidelines and Manual**

<https://www.ktd.gov.hk/udgm/zh-tw/>

## **Matterhorn Cycling (retail shop)**

## **CIC-Zero Carbon Park**

<http://zcp.cic.hk/chi/home>