

Seraj Badrah

NEW ANTARADUS

NEW ANTARADUS

Development of the Seafront of Tartous City, Syria

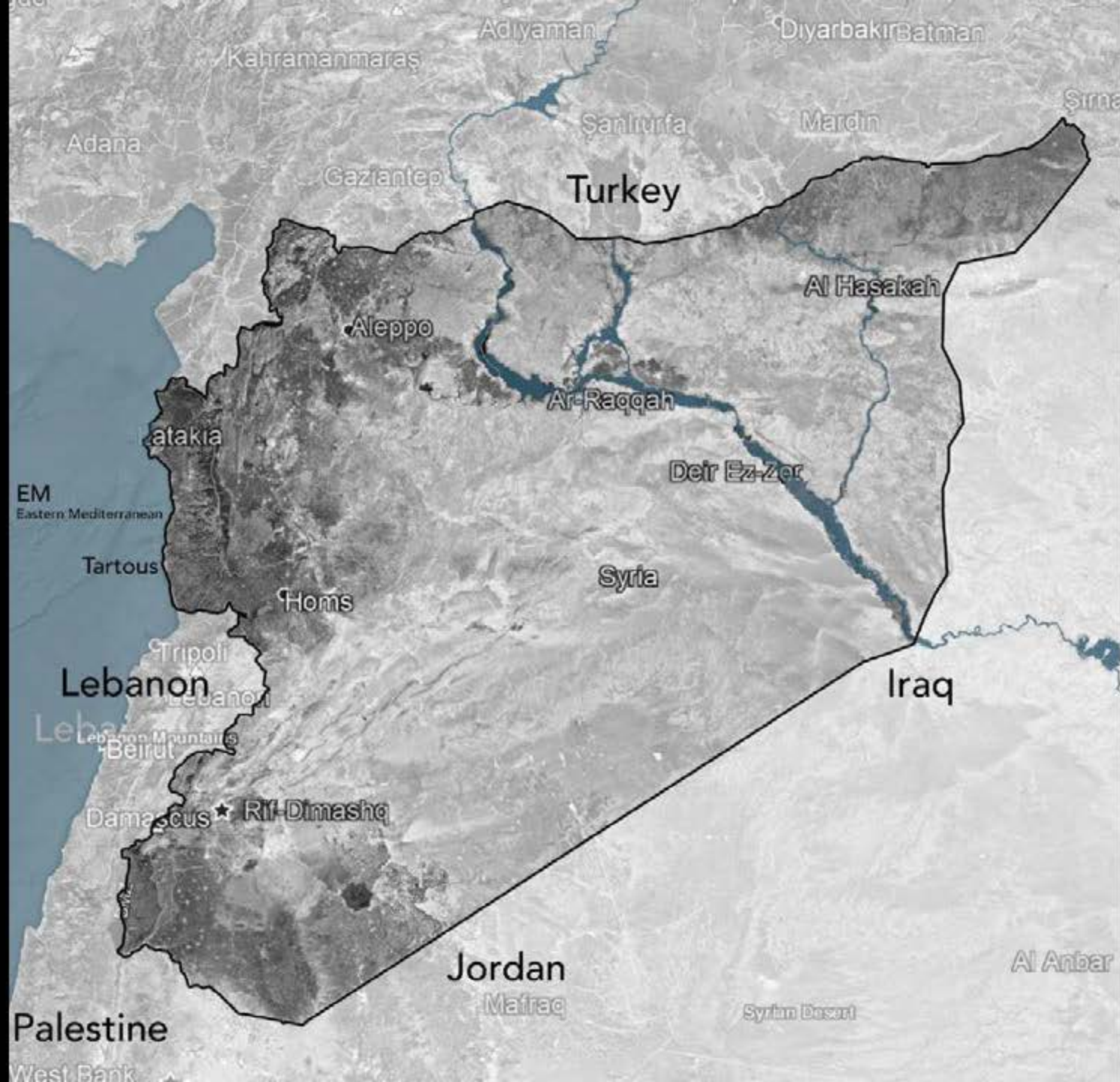




NEW ANTARADUS

Development of the Seafront of Tartous City, Syria

Syria was under war for the past 10 years, but war would eventually come to end.
My project is the future vision of Syria in order to enhance the tourism in one of its coastal cities.



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Site Analysis

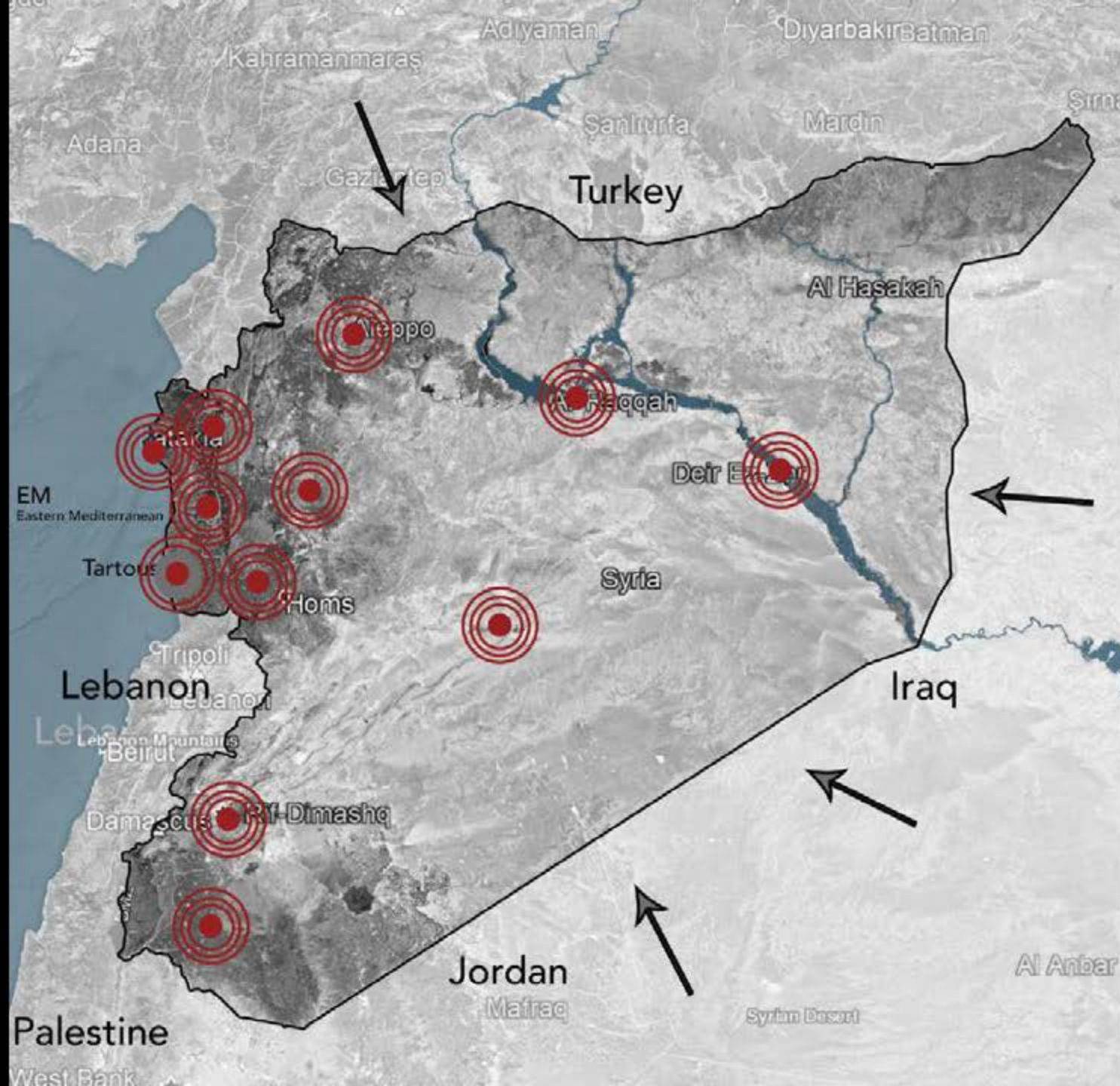
SYRIA

-Located in the Middle East, Western Asia with 14 governorates.

It is bordered by 5 countries as well Mediterranean Sea.

It is considered as the oldest cradle of Human Civilization.

Historical Syria (The Levant) vs Modern Syria.



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Site Analysis

Tourism in Syria

National income

Historical attractions

Liesure (Resorts, Waterfalls, Springs, Forests)

Types of Tourism

Natural areas

Resorts

Ancient cities and historical castles

Religious tourism

Medical Tourism



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Site Analysis TARTOUS

- located on the west side syria
- bordered by Mediterranean sea
- Anwad Island

HISTORY

- Antradus, ancient phenocian name
- rebuilt in 346 AD by Emperor Constantine I
- Tartosa, when occupied by the Crusaders
- Port importance at the beginning 20th Century





Arwad

Alsheikh Saad

Alkhreibat

Beit Kammuna

Bmalkah

Besemmaqah

Beit Al J



NEW ANTARADUS

Site Analysis TARTOUS

Economy

-important Trade center because of its Port for import-export.

- Boat building as a main industrial aspect

- Types of boats (Yachts, Transportation boats, and fishing boats.

Agriculture

- Resource for conservation.

- concentrated on mountain terraces and coastal plains.

- Wheat and Tobacco as main crops.

- Olive and Citrus aids in the Climate



Bmalka

Besemmaqah

Alsheikh Saad

Alkhreibat

Beit Al J

Beit Kammuna

To Le



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Site Analysis TARTOUS

Tourism

- Destination for Tourists.
- Antradius and Porto as large Developments.
- Beauty of Nature : (Forests, Green Mountains. as well as Resorts and beaches.



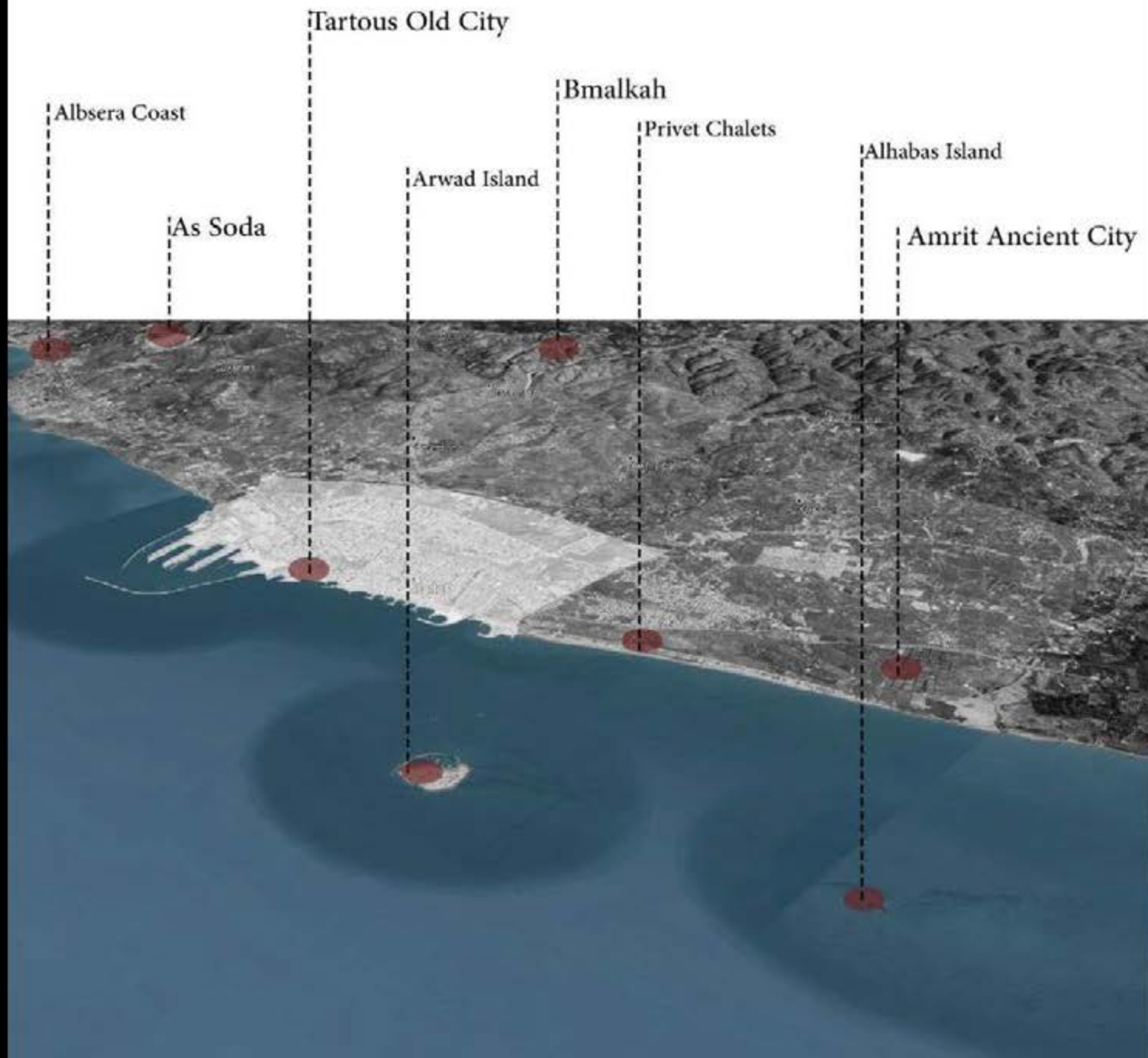


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Site Analysis TARTOUS

Transportation

- — — — — Damascus-Latakia Highway
- - - - - Minich - Aarida Highway
- - - - - Intern Highways
- Railway
- Sea Route



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Site Analysis TARTOUS

Tourist Places



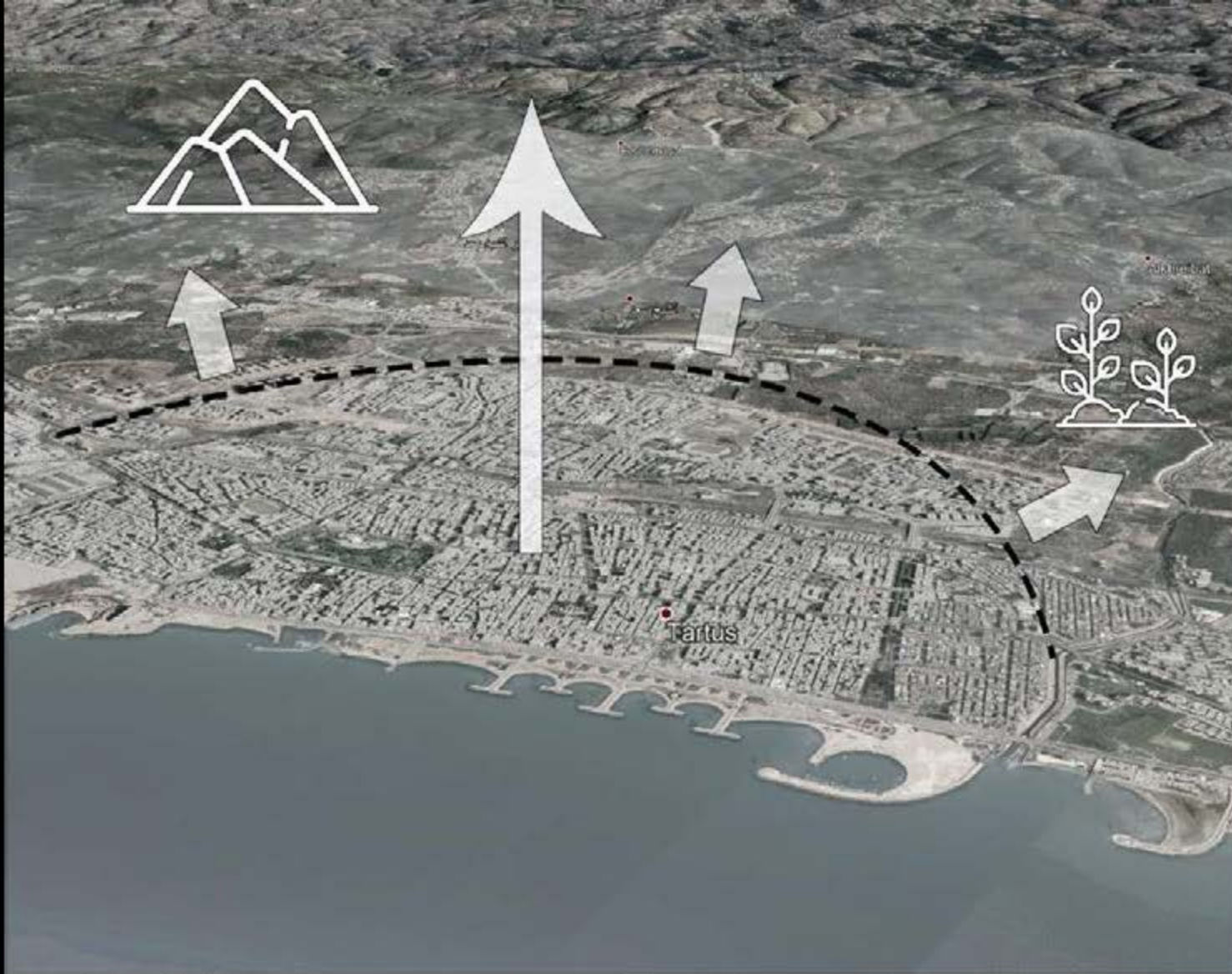
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Site Analysis

TARTOUS

Sun and Wind Study





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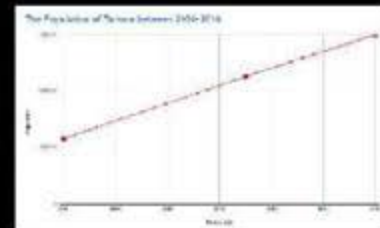
Site Analysis

TARTOUS

The City Expansion



2004 115769
2011 226000
2016 300000



The city expansion had reached its limit which exceeded up to the agricultural lands .

The municipal allowed the vertical construction. Thus, people started to build randomly

In your opinion, is it okay to build skyscrapers in Tartous ?

96 out of 96 answered



would you consider moving to and living in the towers?

97 out of 98 answered





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Site Analysis

Black Plan



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Site Analysis

- Railway
- Main Streets : A. Alkornish Albahri
B. Althawra Street
C. 6 October Street
- Secondary Streets
- Alghamqa River
- Agricultural Areas
- Green Public Areas



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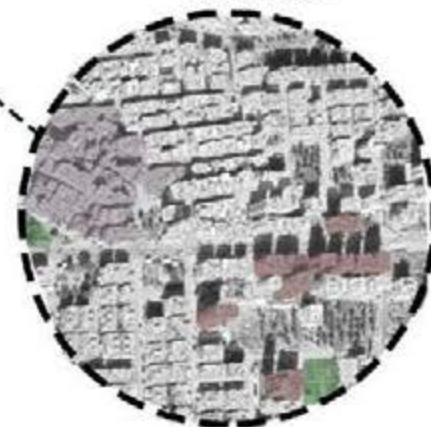
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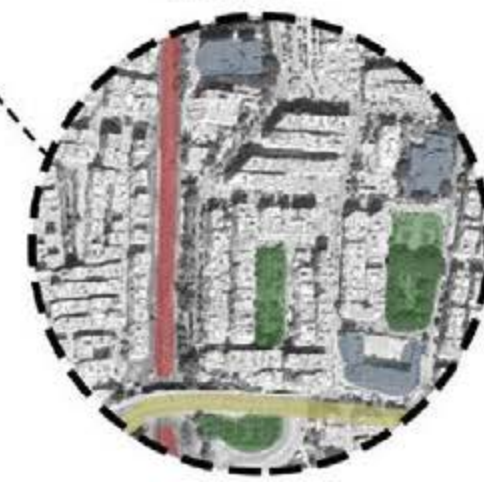
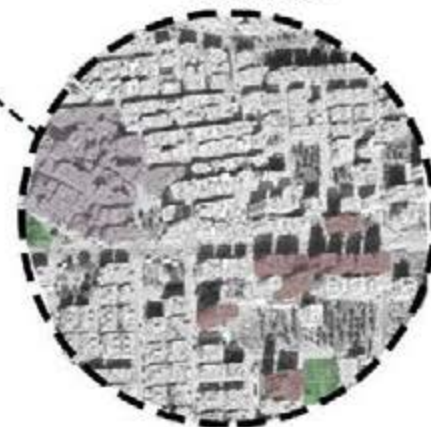
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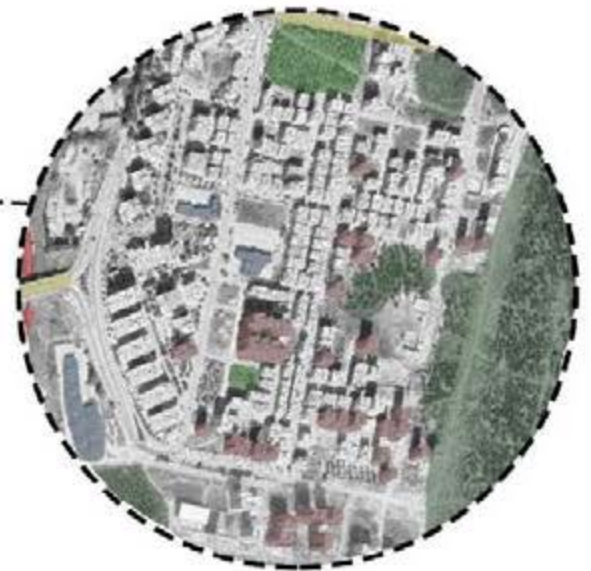
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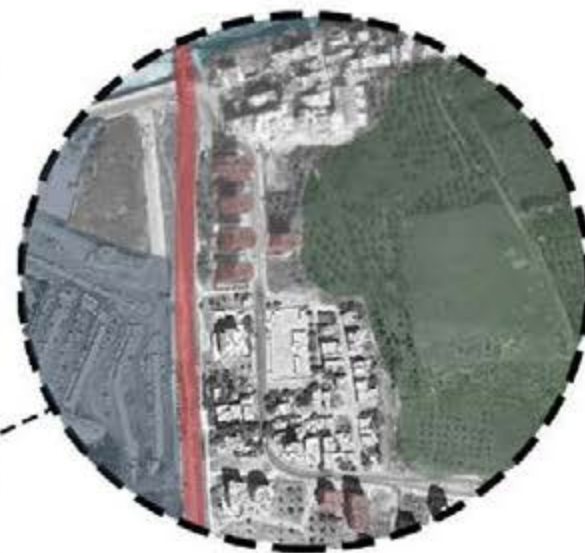
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Site Analysis

The Seafront Area





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Ramel

Approx. 34 Hectares
Population
2004 Approx. 9113
2020 Approx. 16669

Ghamqa

Approx. 20 Hectares
Population
2004 Approx. 15501
2020 Approx. 30669

Site Analysis

Case of Study



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Concept





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Concept

1920 AD
The Later City
Extention.



1516AD
The Ottoman City.



1200AD
Tortosa Bishopric
Consisted of the
Castel and the
Cathedral of Our
Lady and the
within the third
Historic Wall.



1180AD
The Inner and
Outer Crusader
Castel Wall.





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Concept

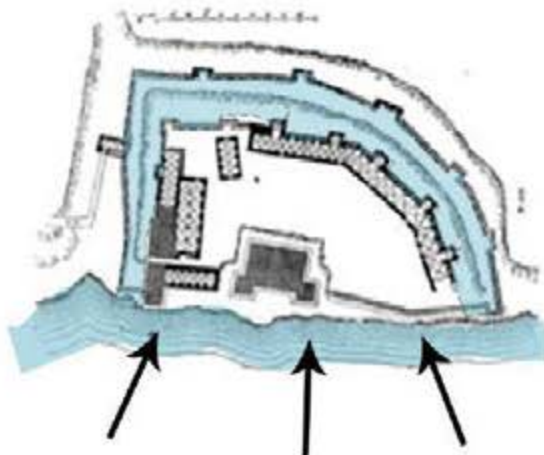
1920 AD
The Later
Extention.

City



Using the Moat to Protect the
City

The Strong Relation between
the City and the Sea



1516AD
The Ottoman City.



More Open Spaces

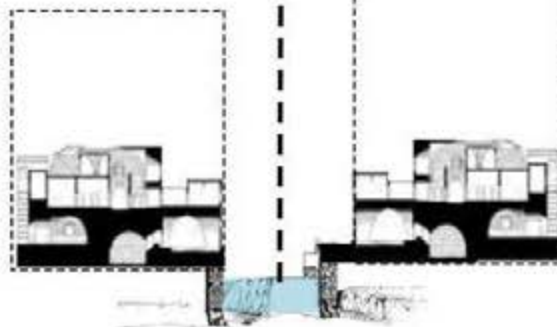
Using the Upper Layer for the
Residence

Using the Castel Foundation
Like a Store and Halls

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Let the City Breathe

Follow the City Grid

More View to the Sea

Green Water Grid



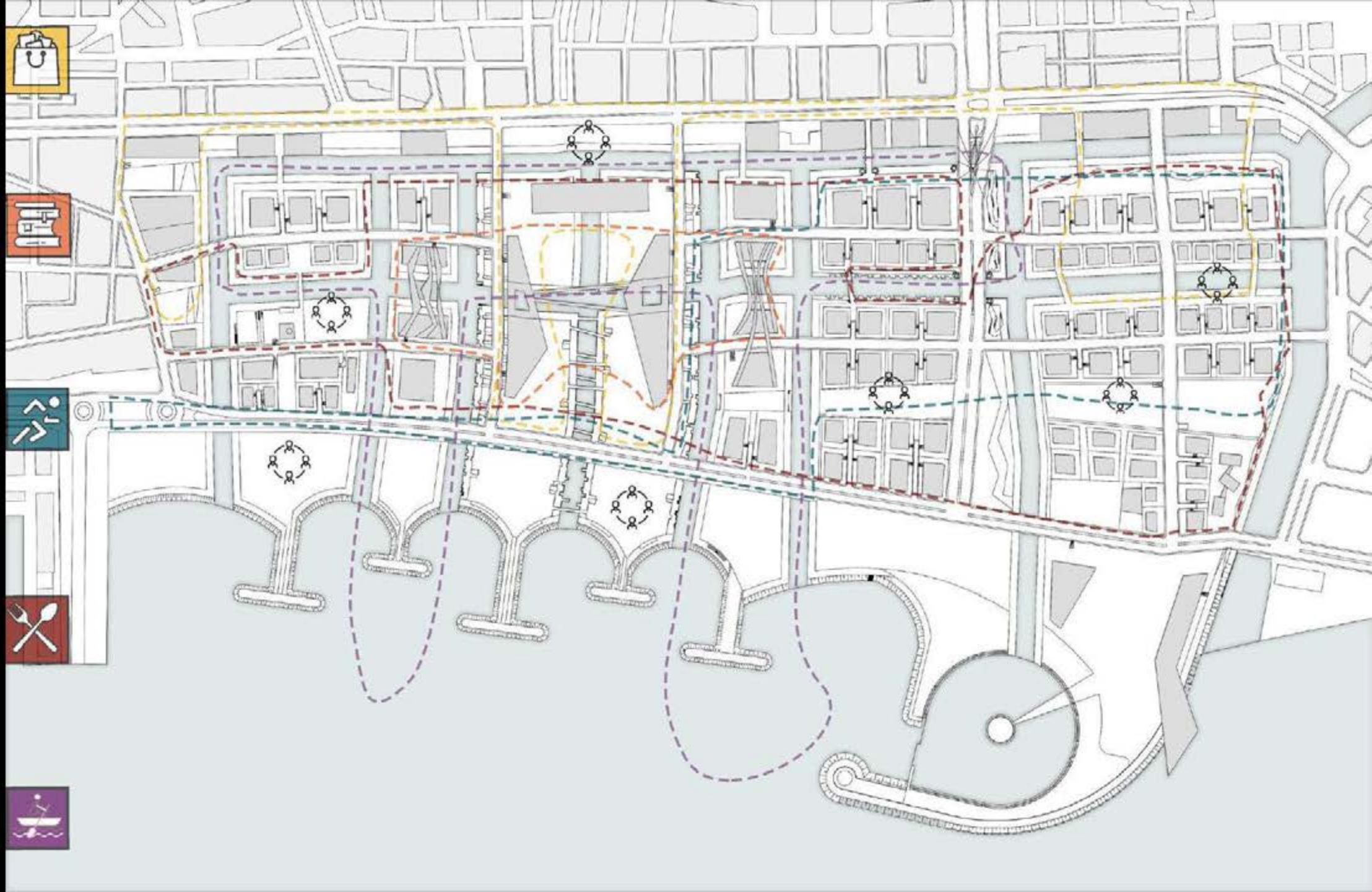
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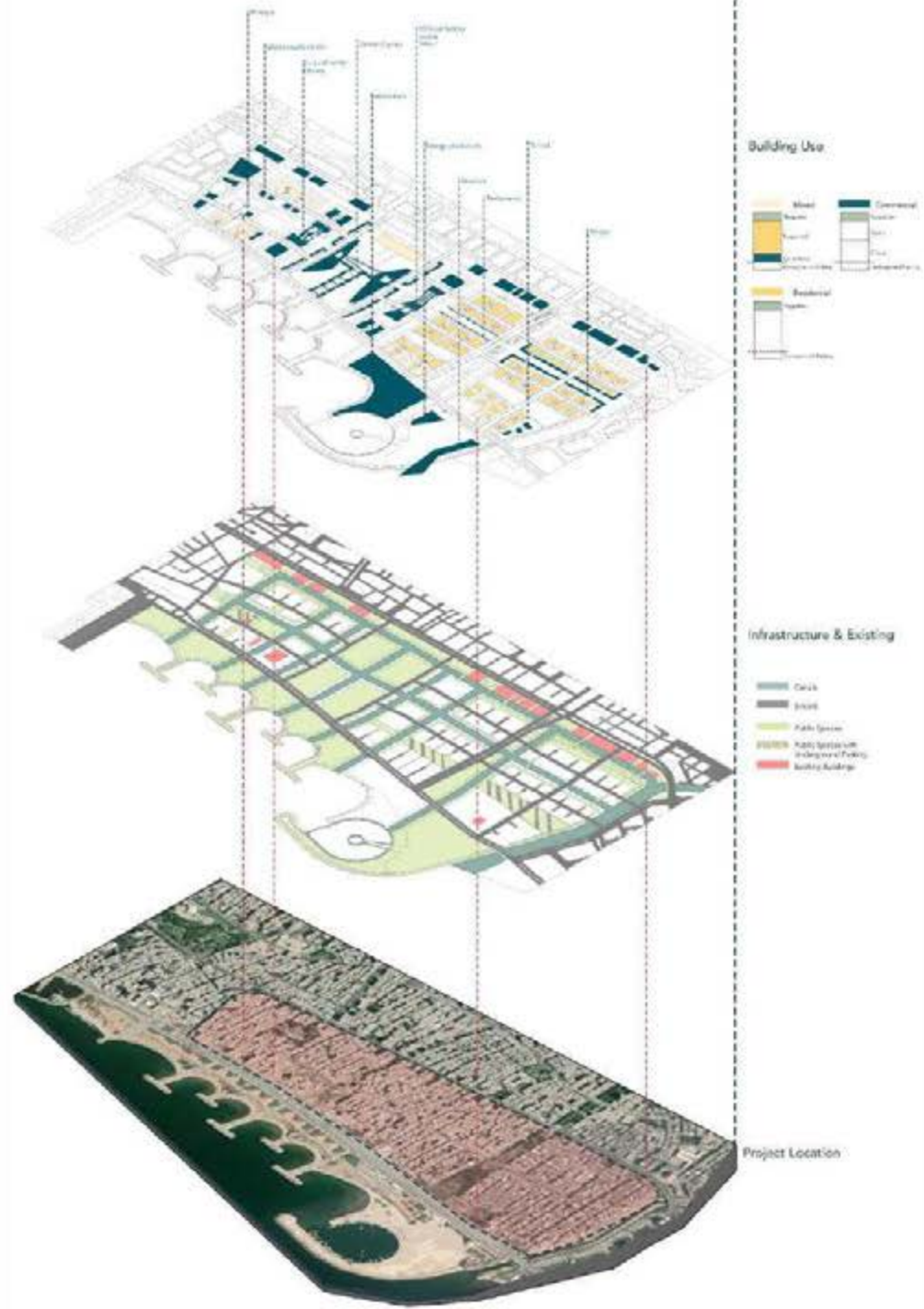






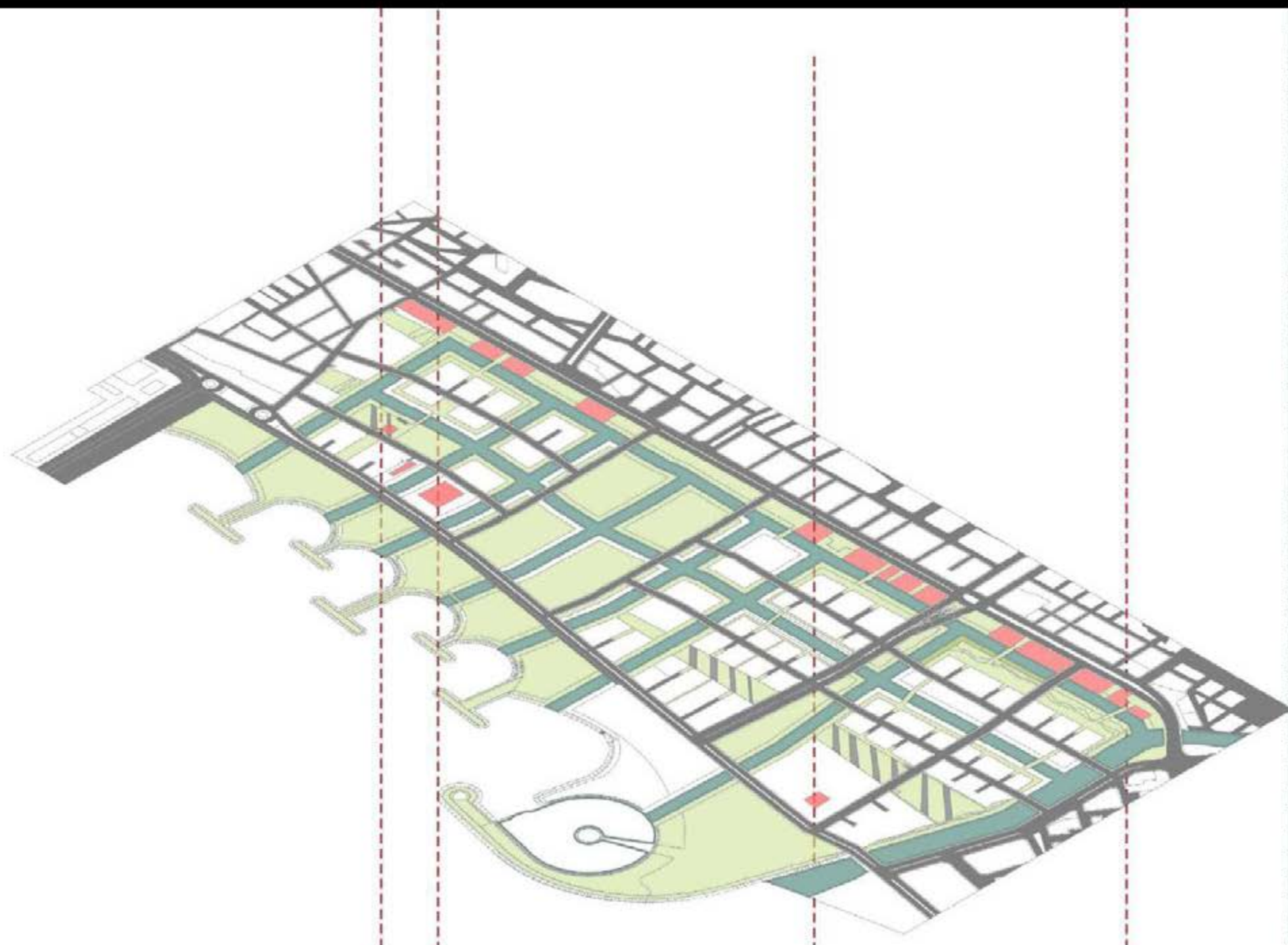






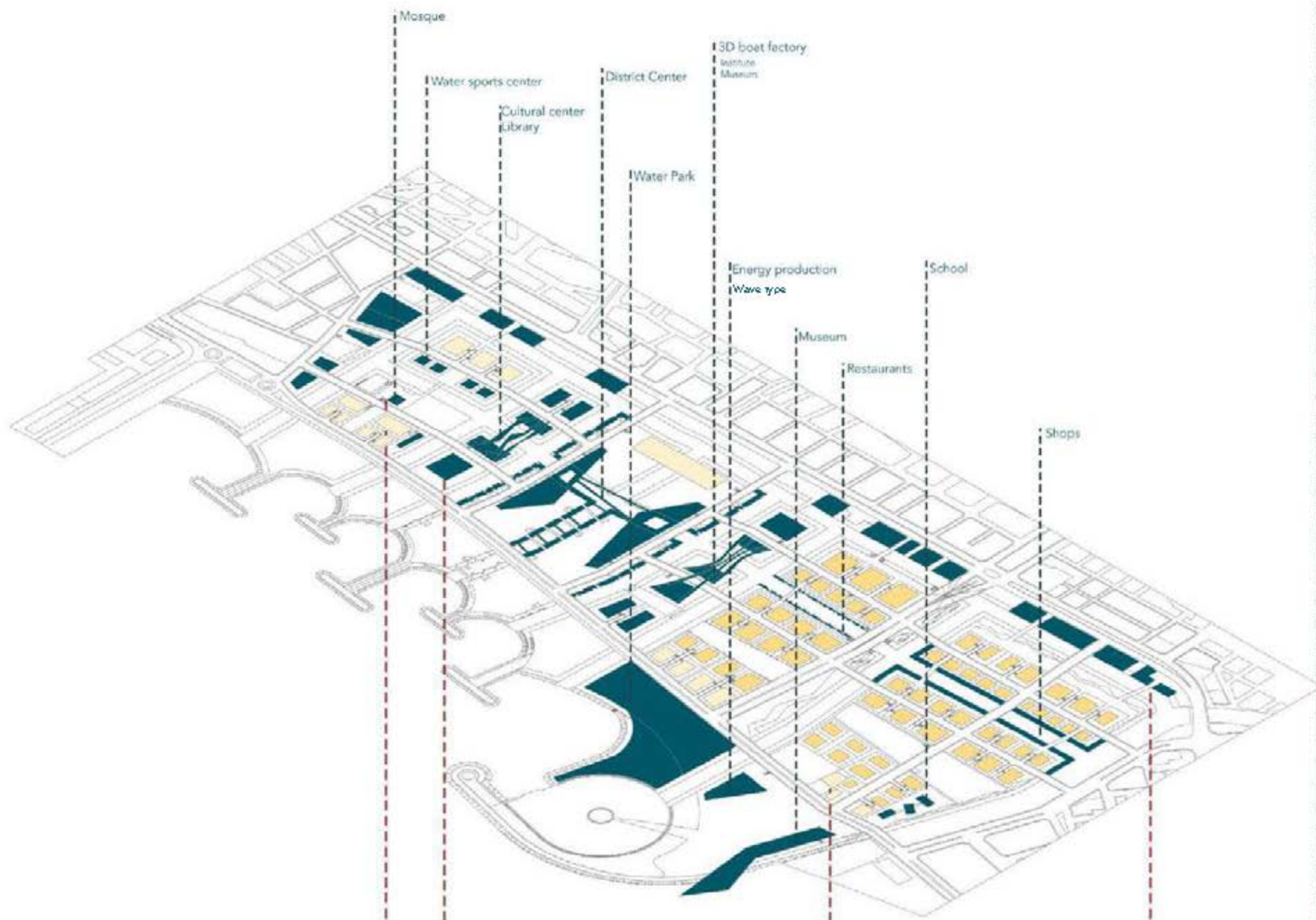


Project Location

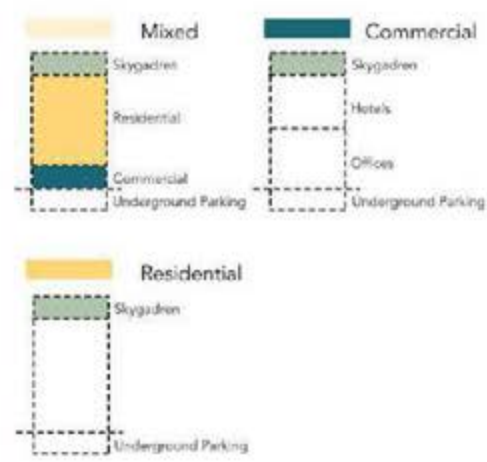


Infrastructure & Existing

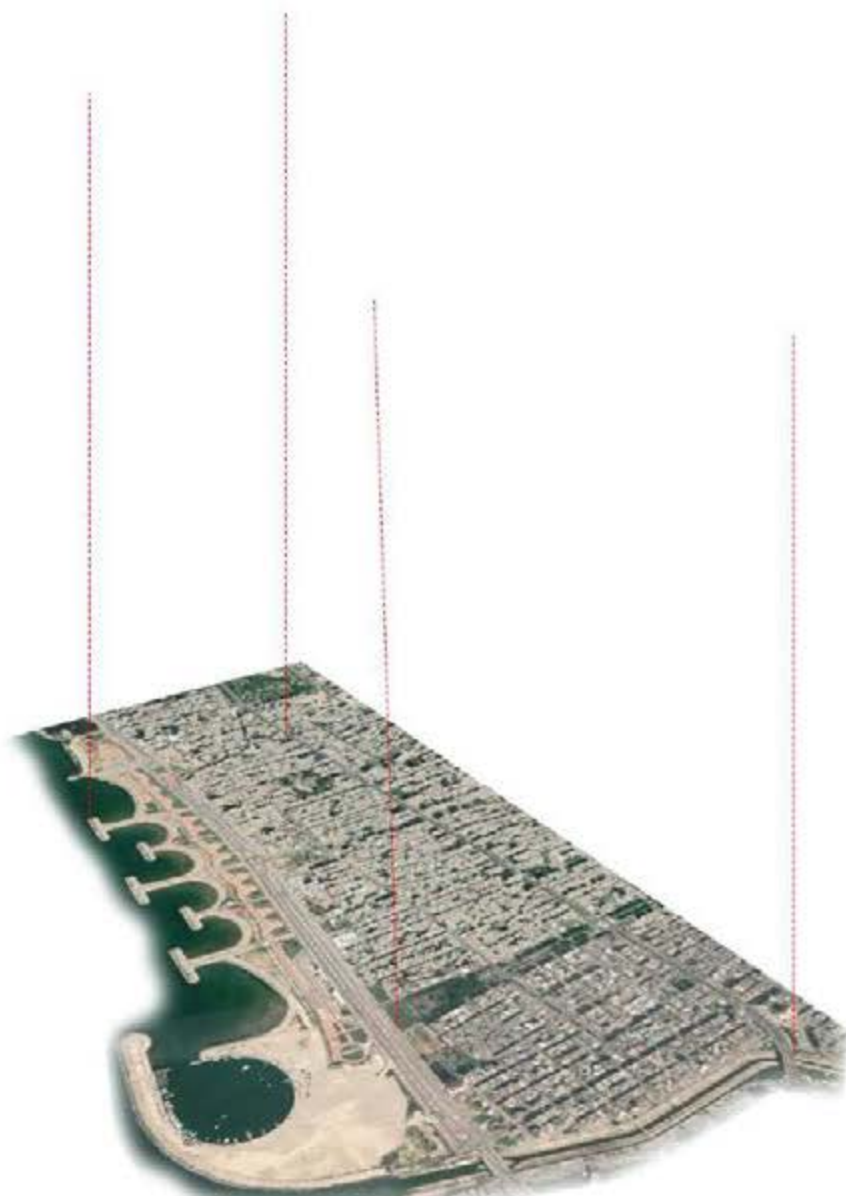
- Canals
- Streets
- Public Spaces
- Public Spaces with Underground Parking
- Existing Buildings



Building Use







2020

Excavation timeline

At the beginning of our Project, in order to secure the inhabitants living in the area, we would like to build temporary housing with fast techniques.

For instance, we could use the containers found in the Ports and turn them to suitable apartments during the building process.

Tow Excavators are required in order to finish the project at the specified time period.

Bagger 293



Type	Bucket-wheel Excavator
Manufacturer	AKRAF
Production	1995
Length	225 m (738.2 ft)
Width	46 m (151 ft)
Height	96 m (315 ft)
Weight	14,200 t (31,300,000 lb)
Propulsion	12 x caterpillar tracks
Gross power	16.56 megawatts of externally supplied electricity
Speed	2 to 10 m (6.6 to 32.8 ft) per minute (0.1 to 0.6 km/h)
Blade capacity	21 m (69.9 ft) in diameter, 18 buckets each holding 19.6 cubic yards (15.0 m ³) or 16.5 short tons (15.0 t)

It can move 240,000 m³ (8,500,000 cu ft)(3) or(clarification needed) 218,880 tonnes of soil per day .

https://en.wikipedia.org/wiki/Bagger_293

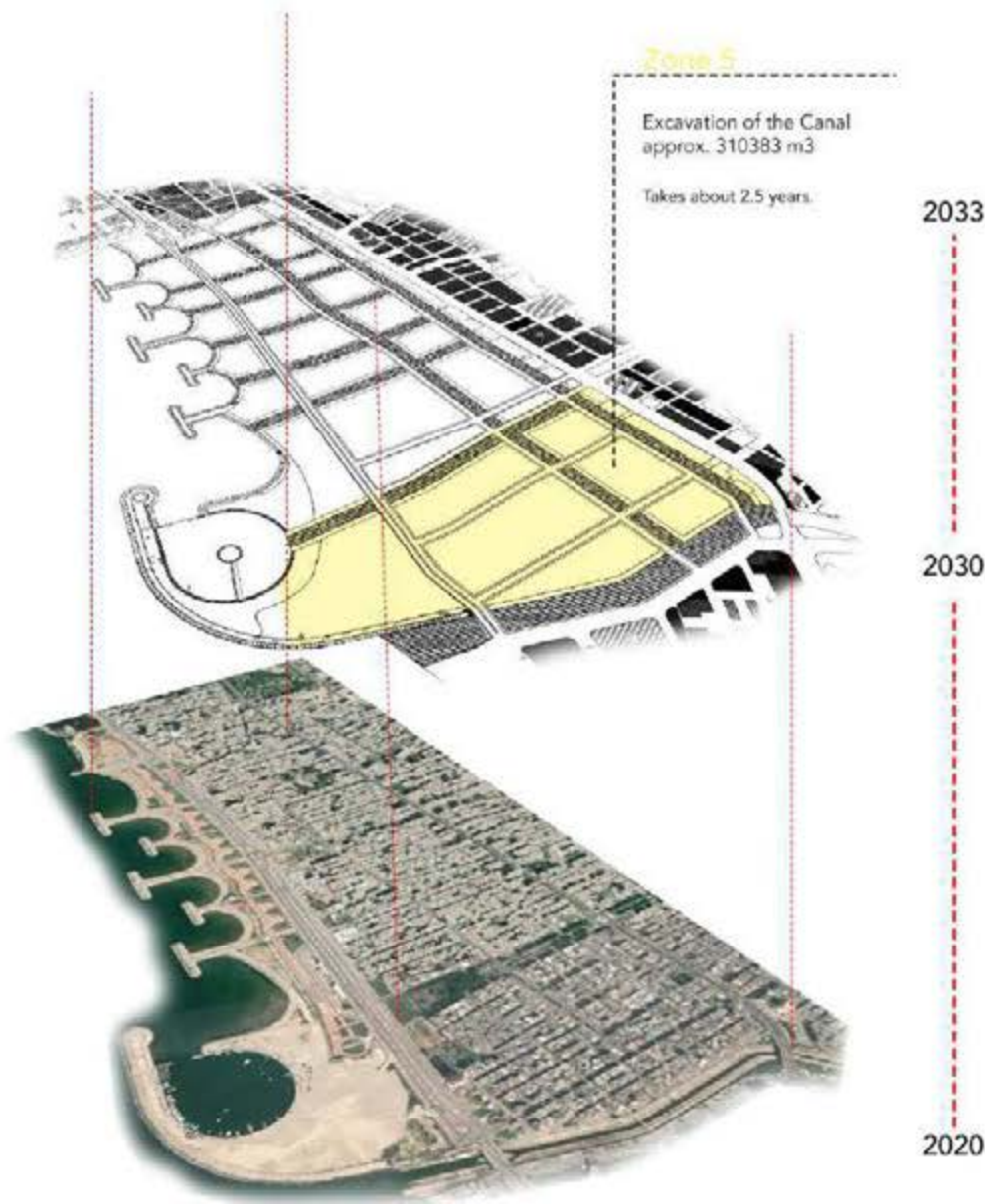
Bagger 288



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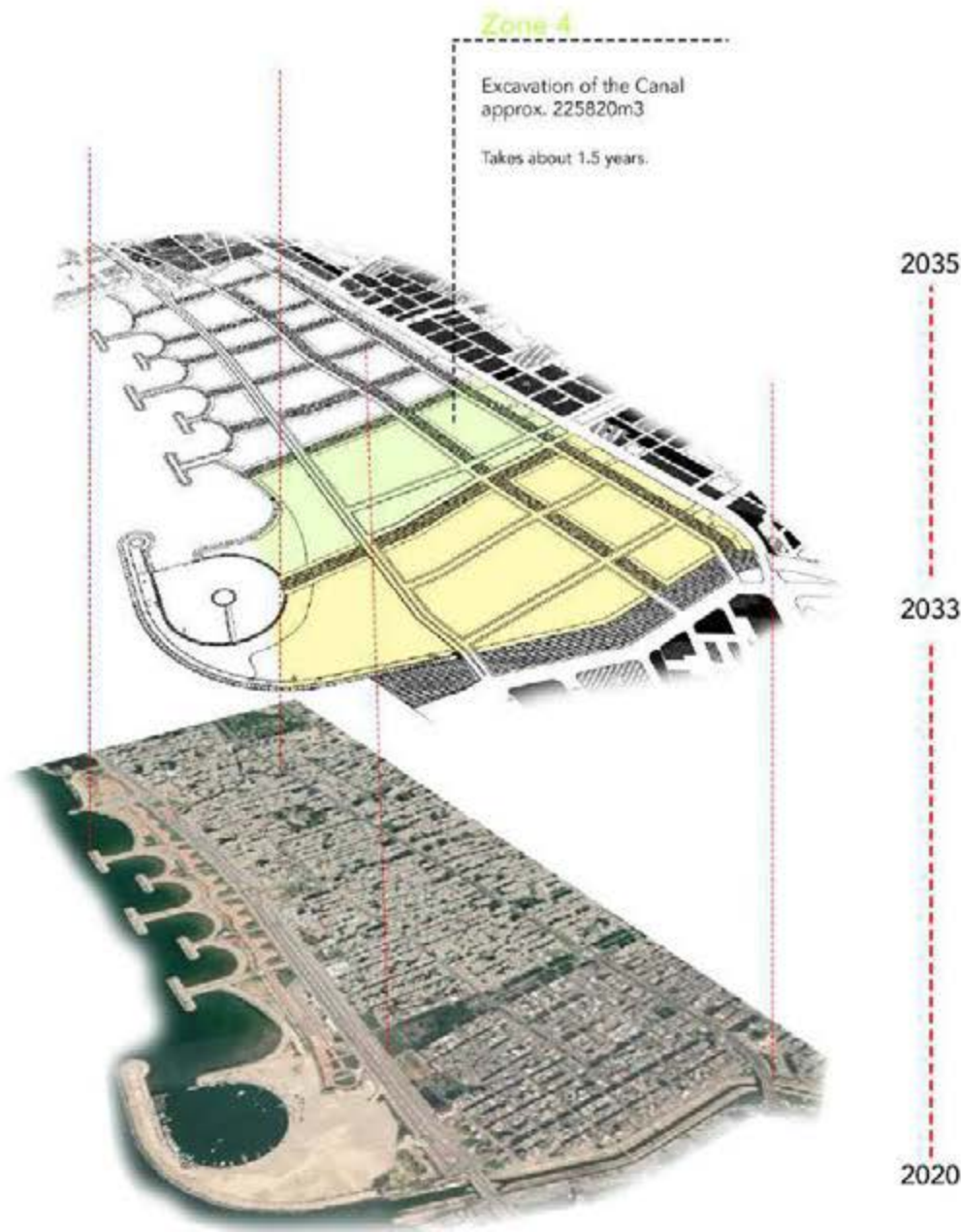
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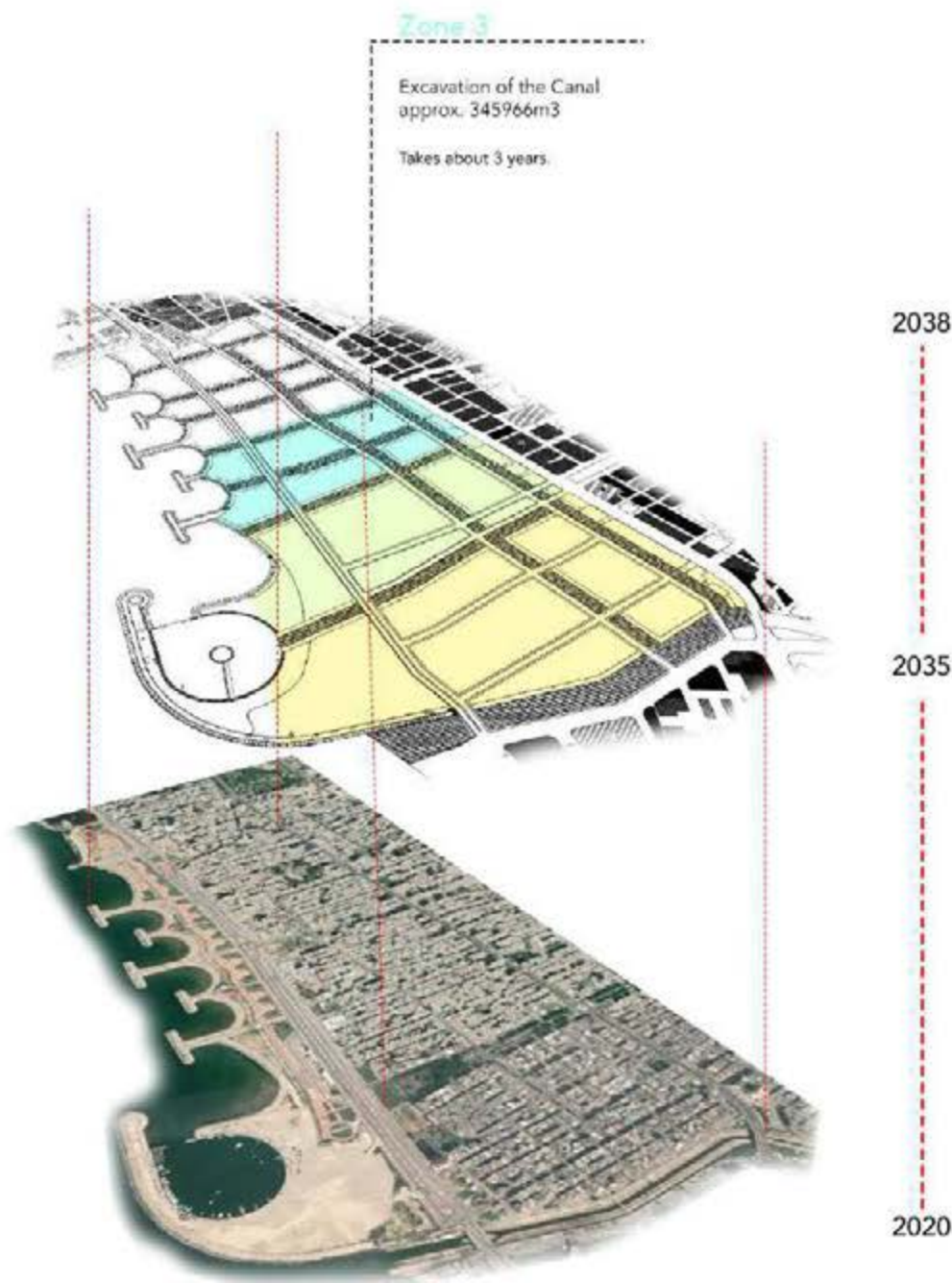
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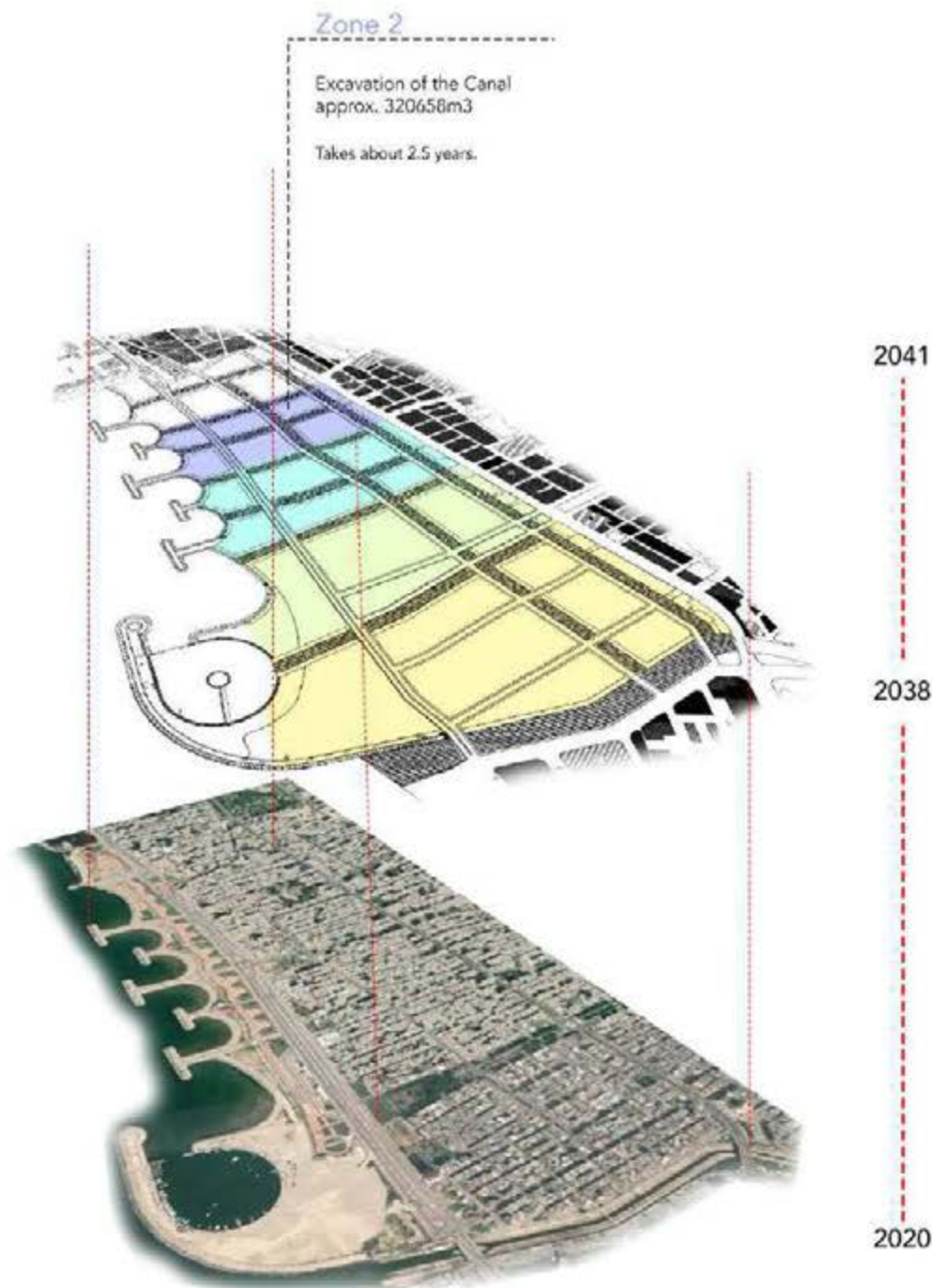


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Excavation timeline



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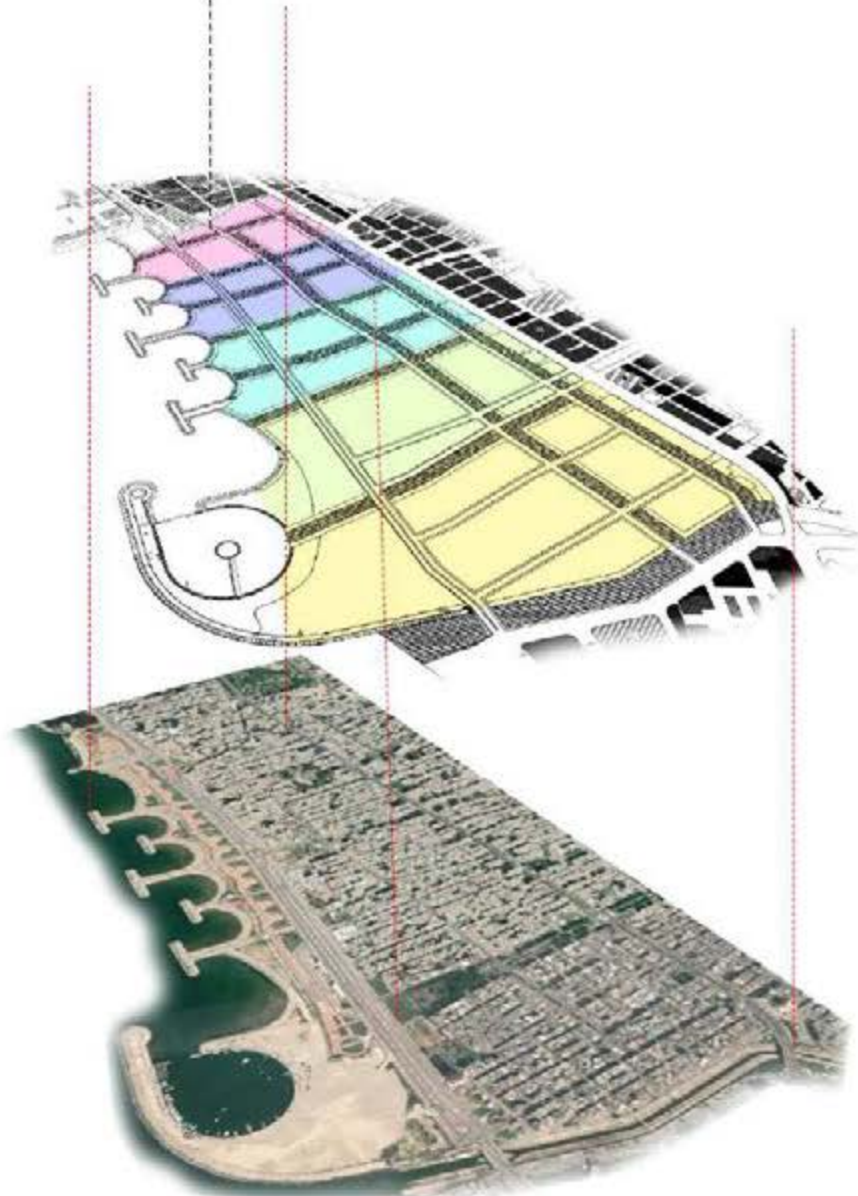
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Zone 1

Excavation of the Canal
approx. 191622m³

Takes about 15 years.



2043

2041

2020

Excavation timeline



To finish the project in time, two excavators must be used.

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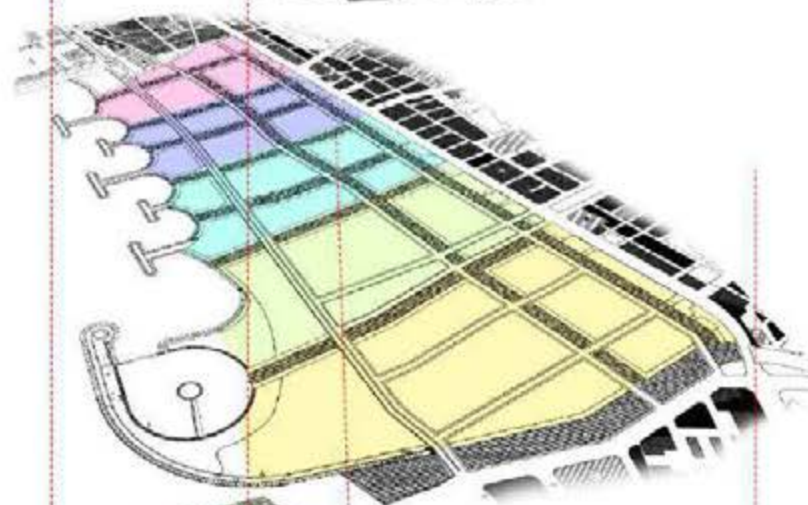
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2050



2040



2030

2020

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 Weight: 14,200 t (31,300,000 lb)
 Propulsion: 12 x caterpillar tracks
 Gross power: 16.56 megawatts of externally supplied electricity
 Speed: 2 to 10 m (6.6 to 32.8 ft) per minute (0.1 to 0.6 km/h)
 Blade capacity: 21 m (69.9 ft) in diameter, 18 buckets each holding 19.6 cubic yards (15.0 m³) or 16.5 short tons (15.0 t)

It can move 240,000 m³ (8,500,000 cu ft) [3] or (clarification needed) 218,880 tonnes of soil per day.

https://en.wikipedia.org/wiki/Bagger_293

Bagger 288



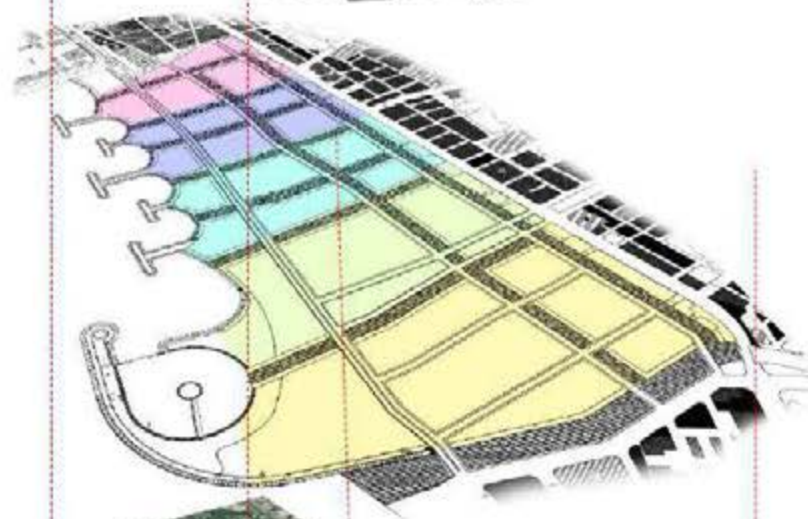
Type: Bucket-wheel Excavator
 Gross power: 16.56 megawatts of externally supplied electricity
 Weight: 13,500 t (29,800,000 lb)
 Speed: 2 to 10 m (6.6 to 32.8 ft) per minute (0.1 to 0.6 km/h)
 Height: 96 m (315 ft)
 Length: 220 m (721 ft)
 Manufacturer: ThyssenKrupp
 Width: 46 m (151 ft)

It can move 240,000 m³ (8,500,000 cu ft) [3] or (clarification needed) 218,880 tonnes of soil per day.

https://en.wikipedia.org/wiki/Bagger_288



2050



2040



2030

2020

Excavation timeline



←-----→
After the needed excavations are completed, we would like to recycle the remains and built man-made island

TOROSA QUARTER







10F House

Area 3168 m

15F House

Area 2763 m

20F House

Area 4693 m

5F House

Area 3393 m

5F House

Area 2168 m

10F House

Area 3495 m

20F House

Area 3022 m

25F House

Area 4590 m

10F House

Area 3678 m

5F House

Area 2623 m

35F House

Area 6125 m

15F House

Area 3794 m

20F House

Area 3810 m

25F House

Area 4309 m

10F House

Area 3639 m

10F House

Area 2783 m

40F House

Area 1516 m

15F House

Area 4691 m

30F House

Area 4515 m

35F House

Area 4495 m

20F House

Area 4530 m

10F House

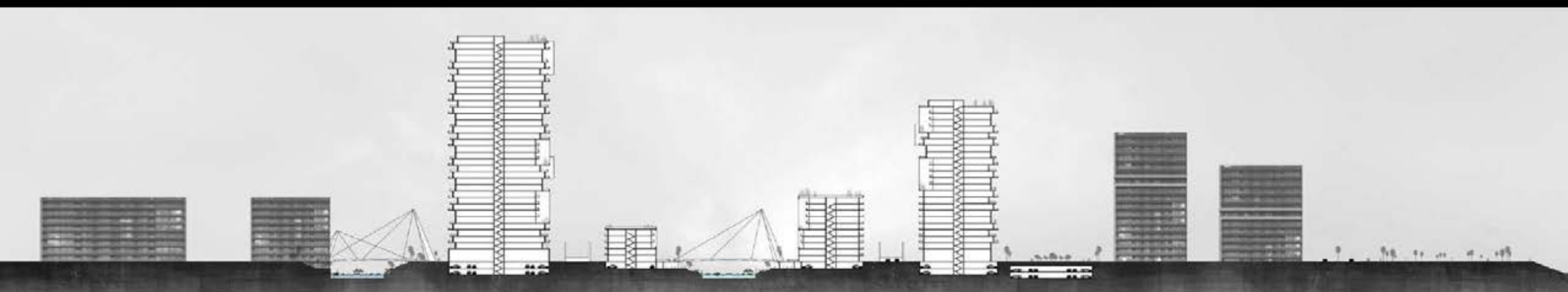
Area 2622 m

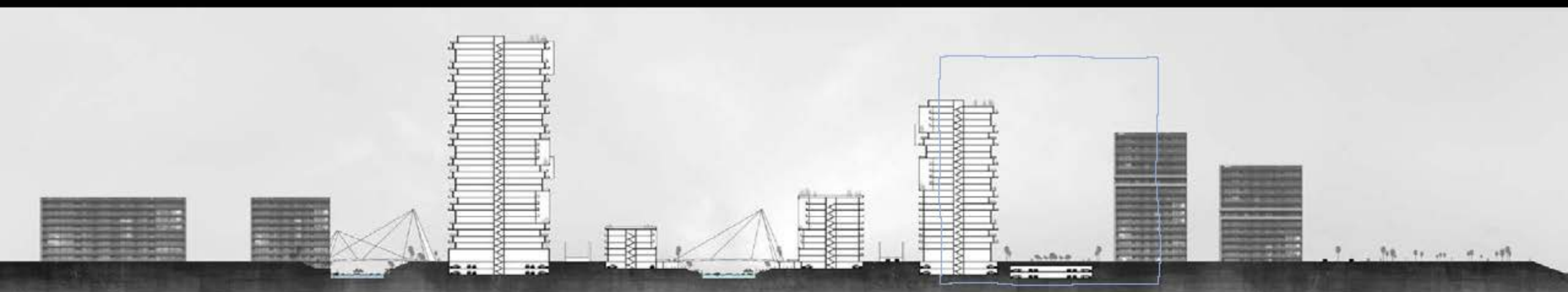
20F House

Area 2585 m

50F House

Area 1557 m





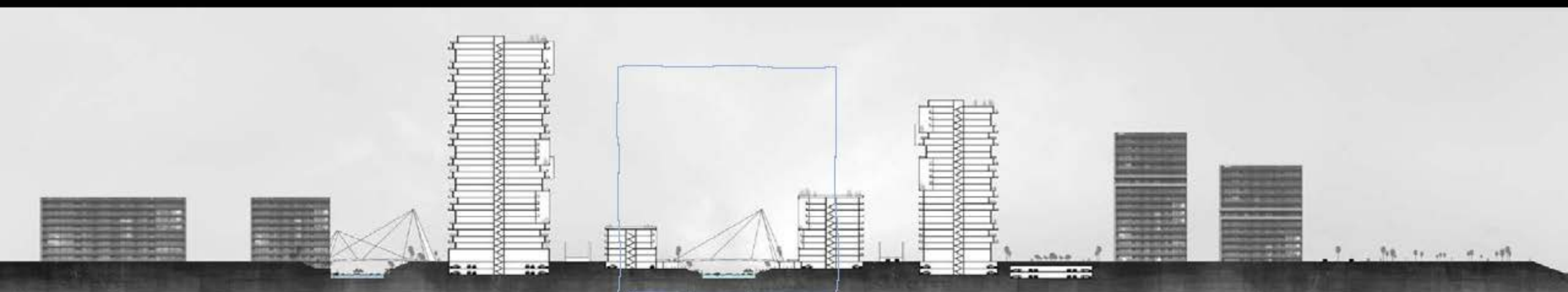


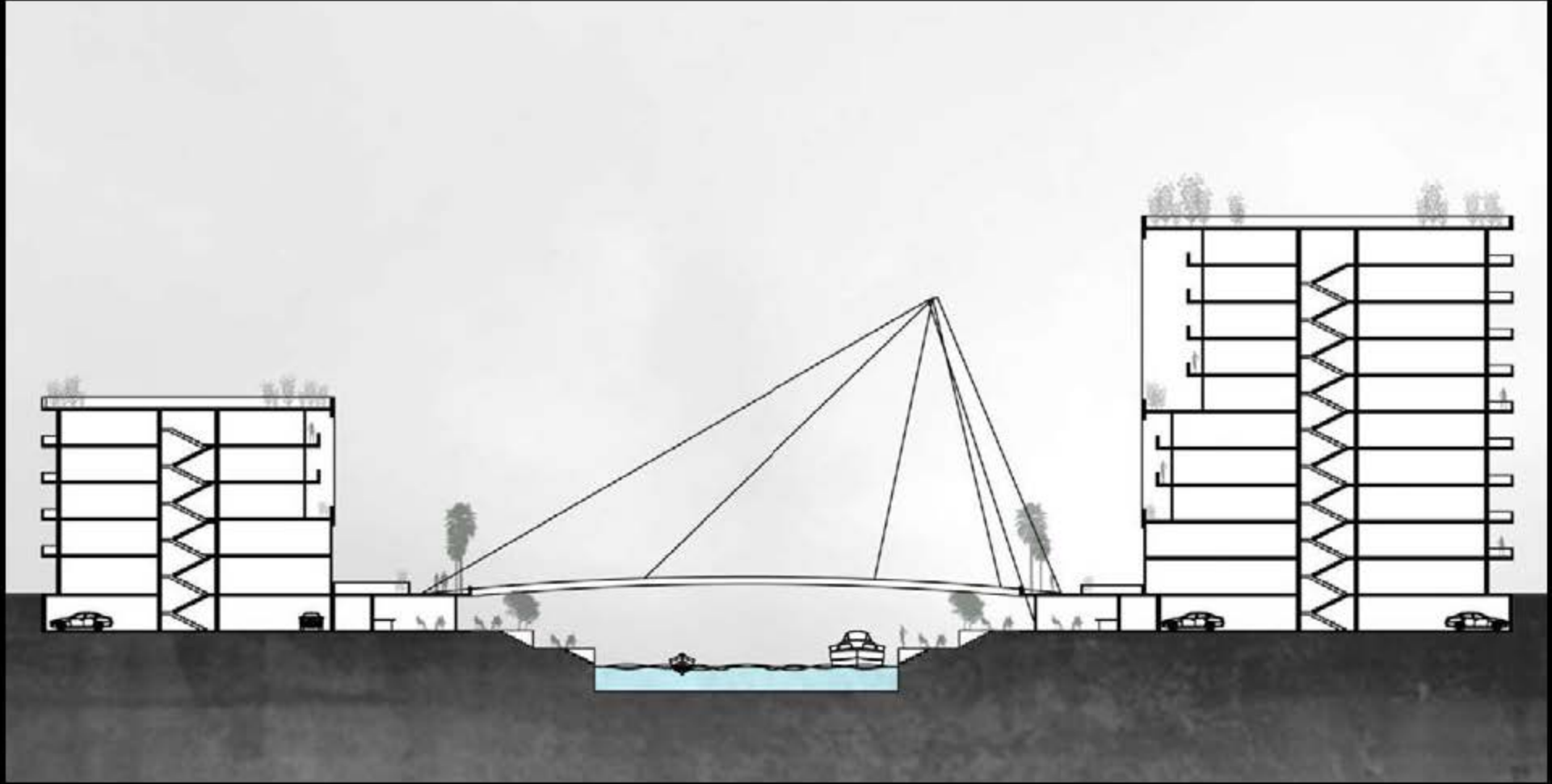


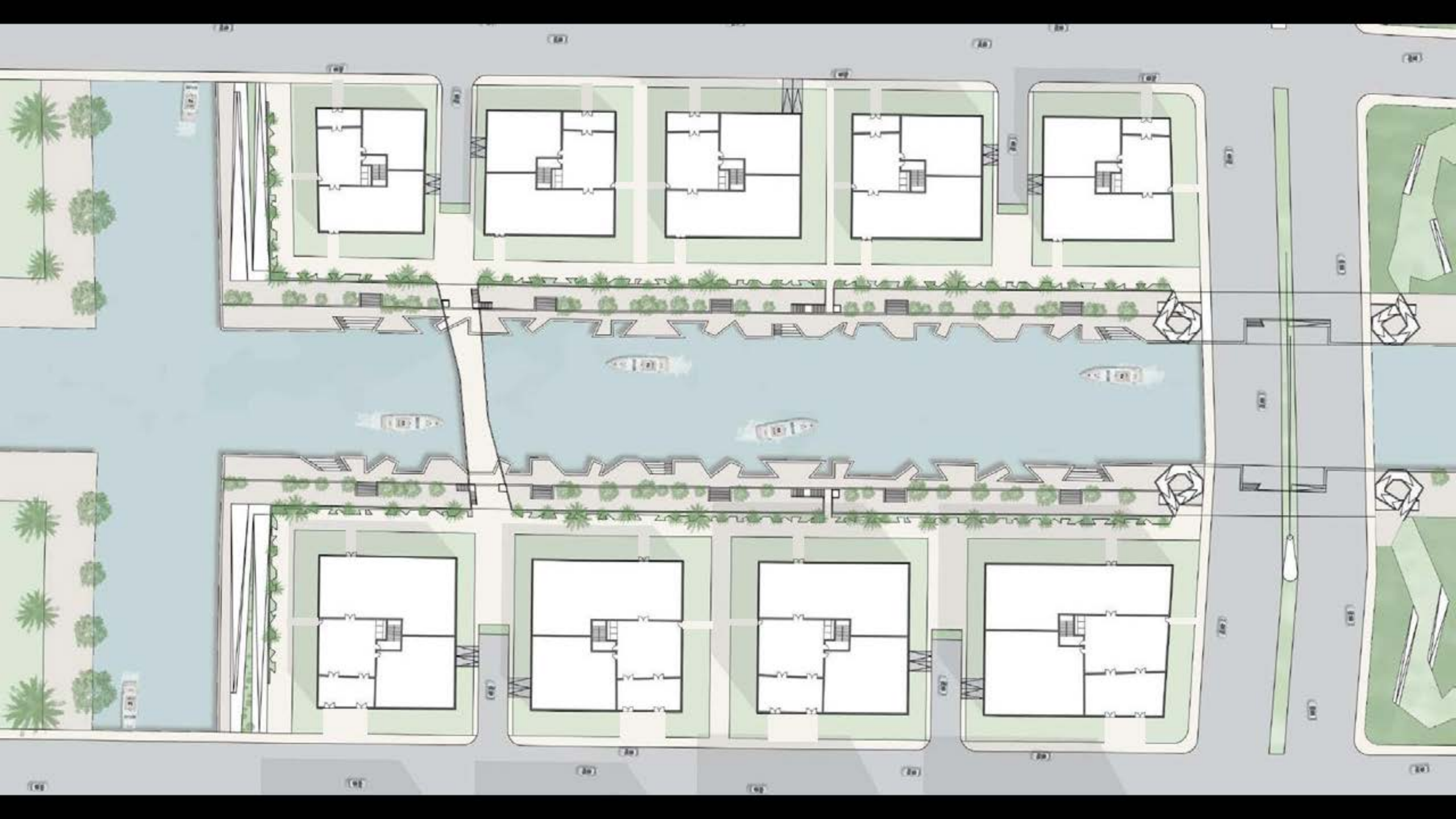


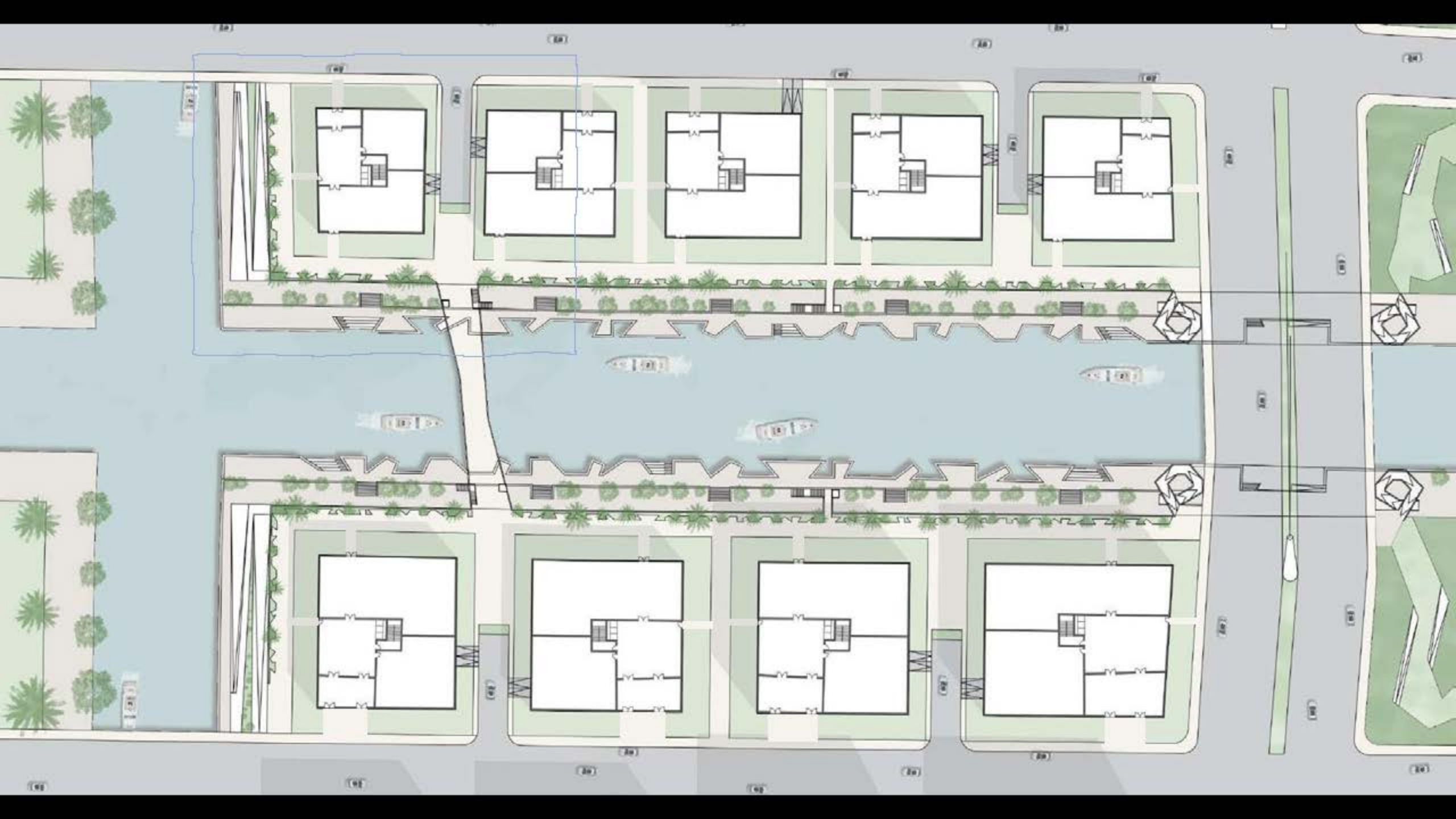






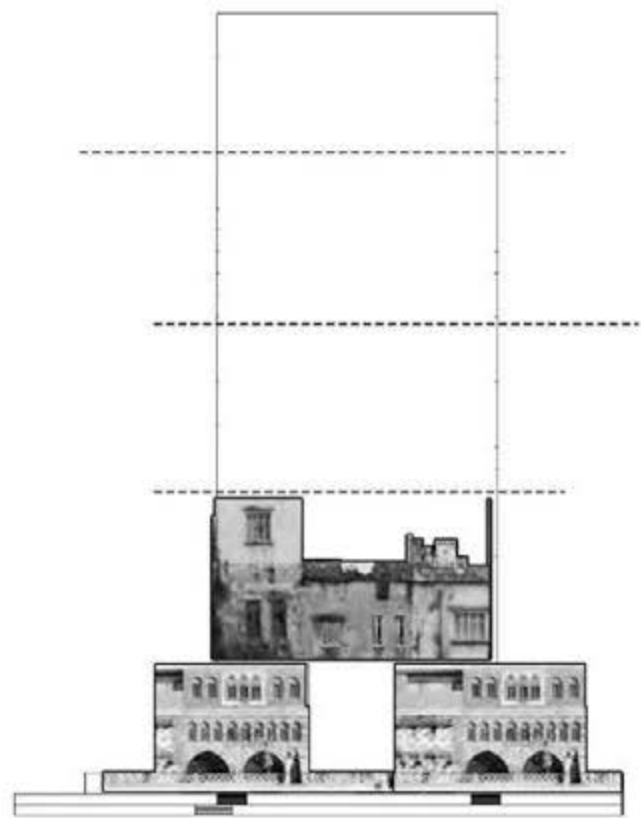




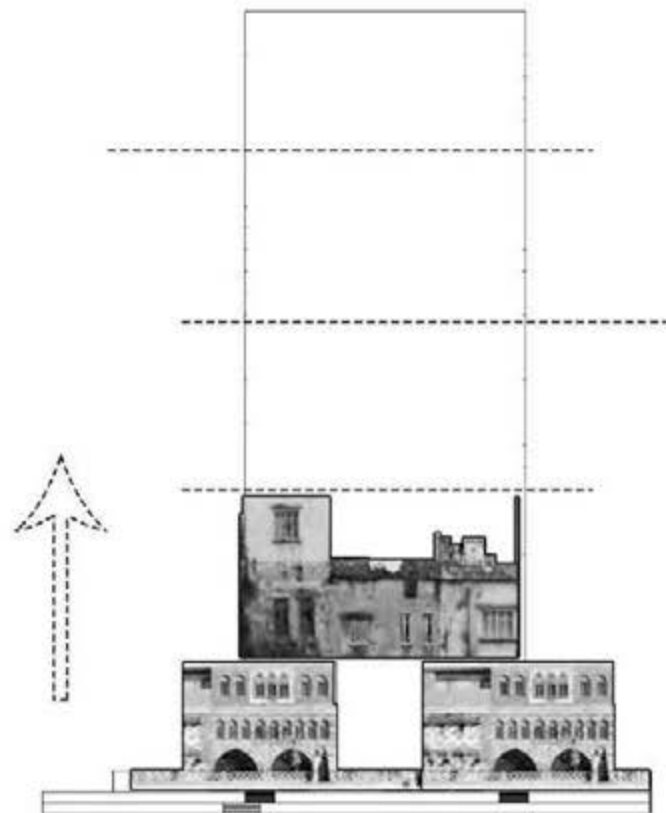


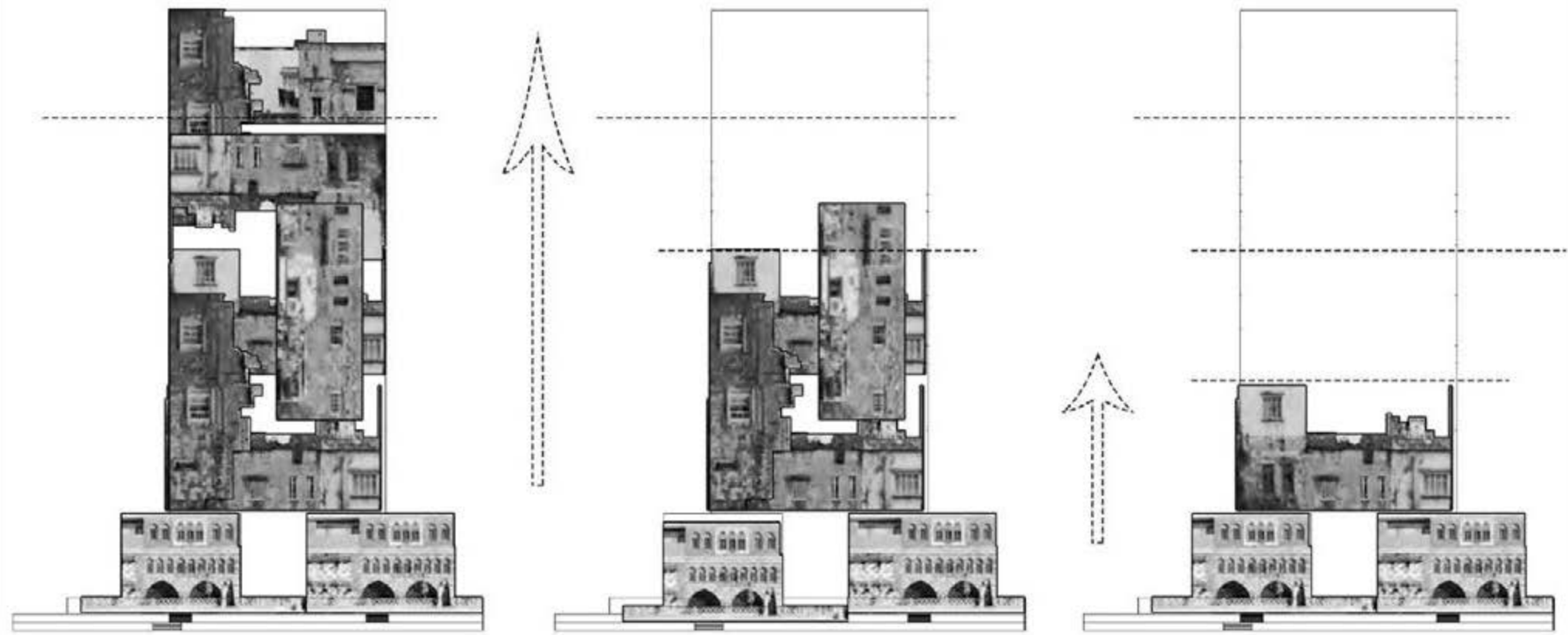


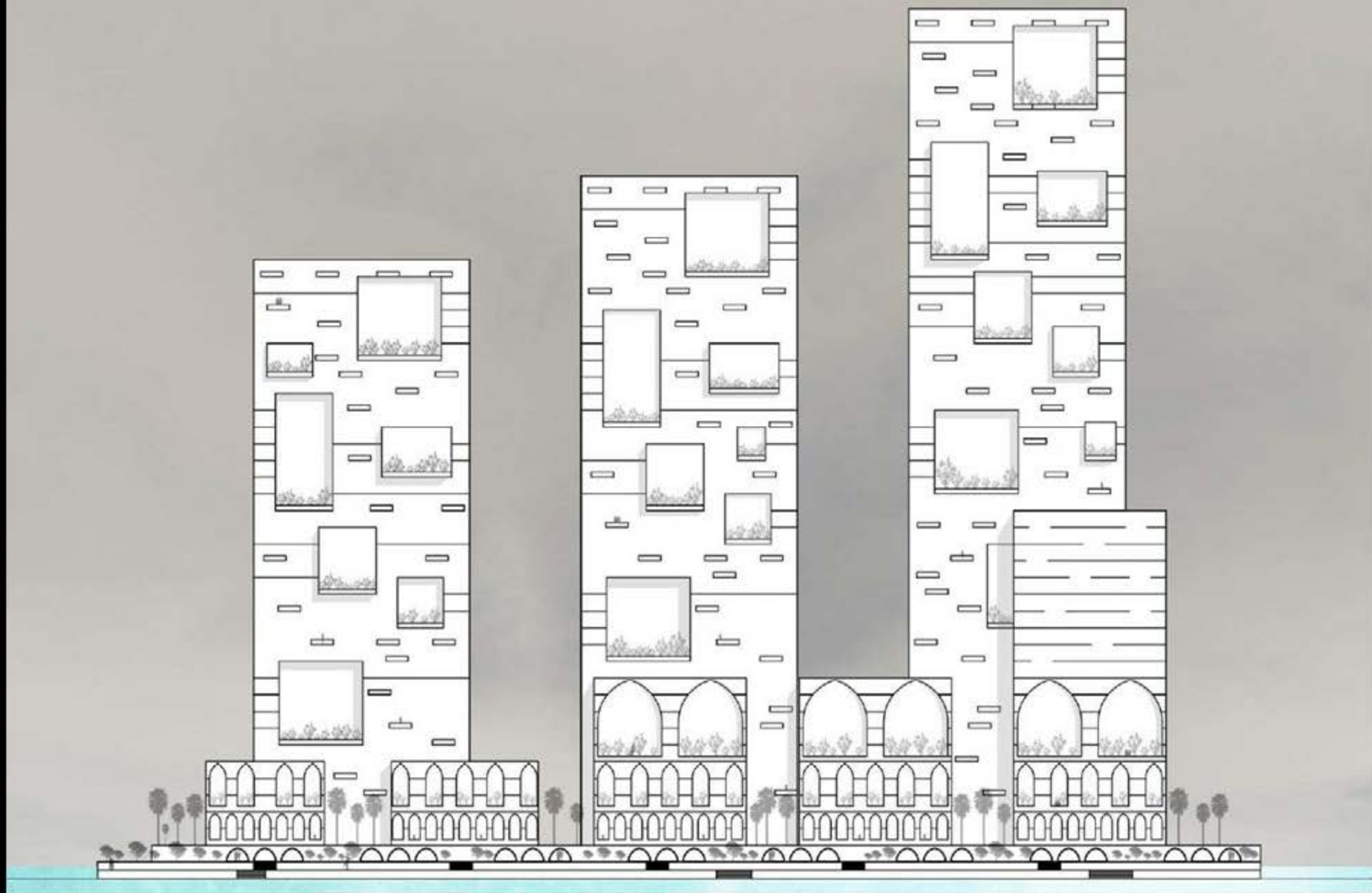




**S
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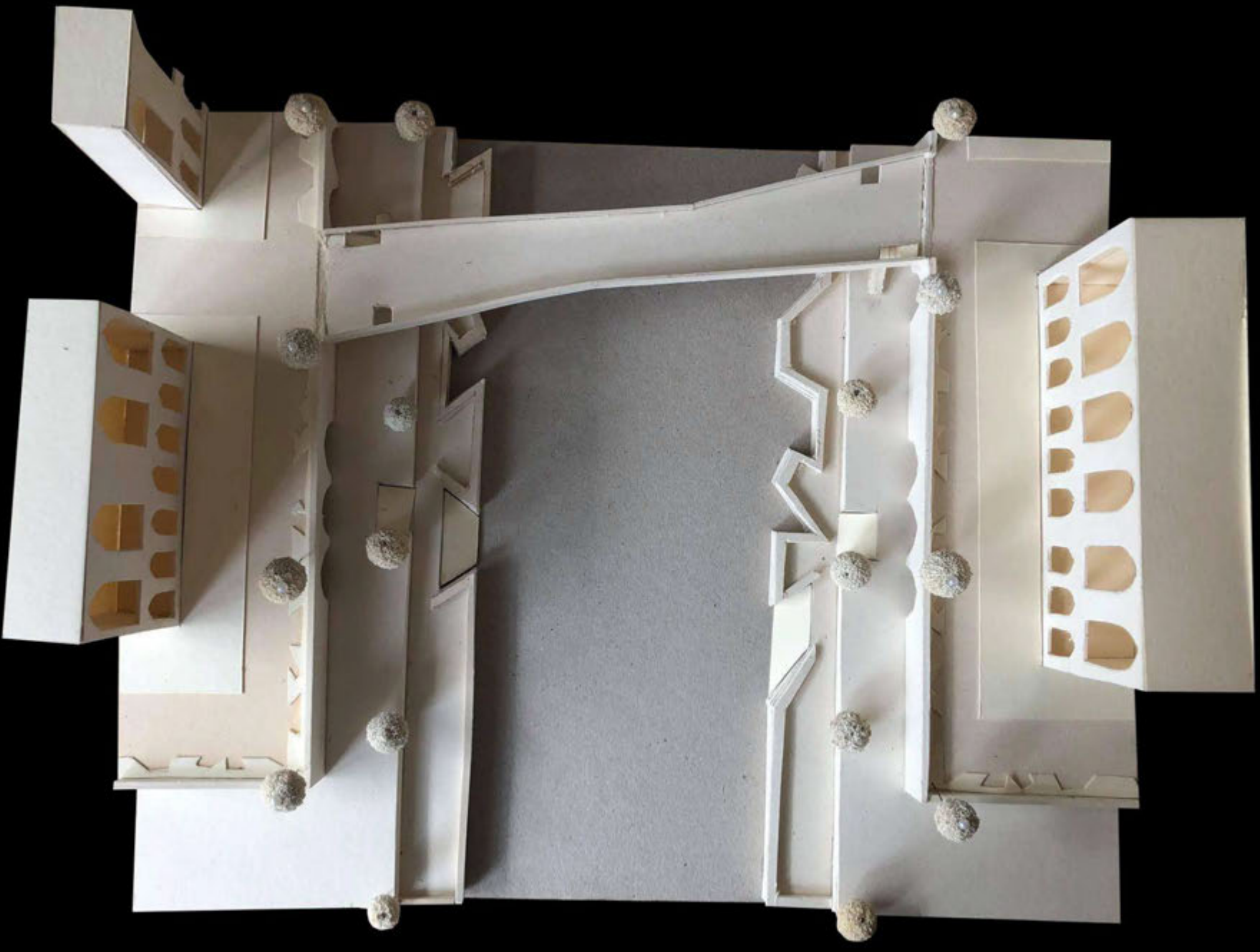




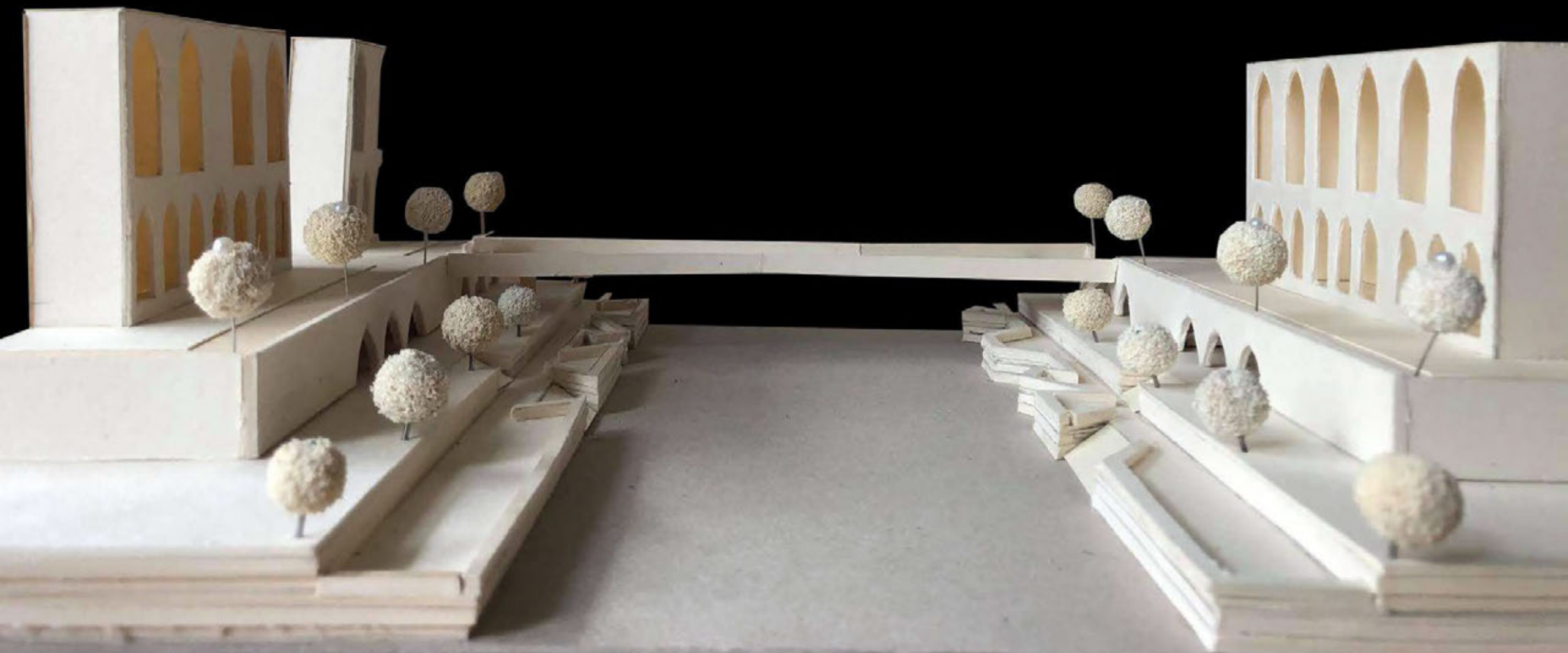


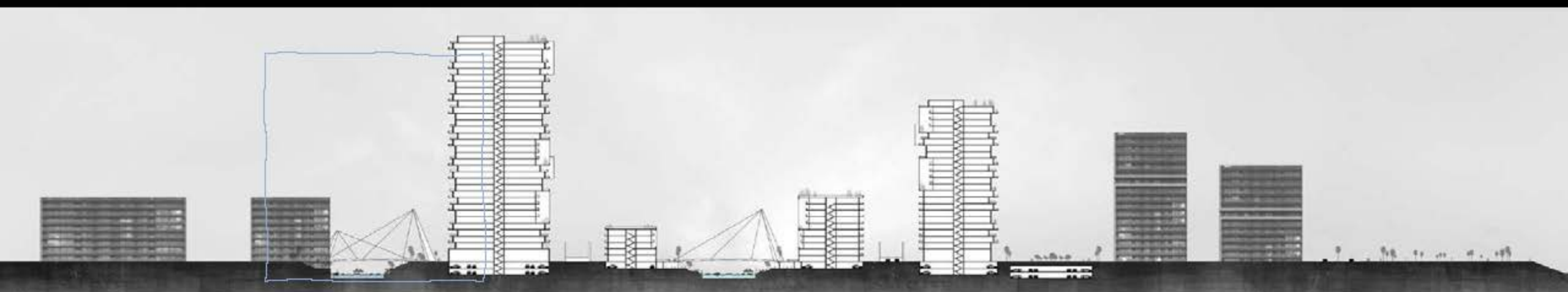


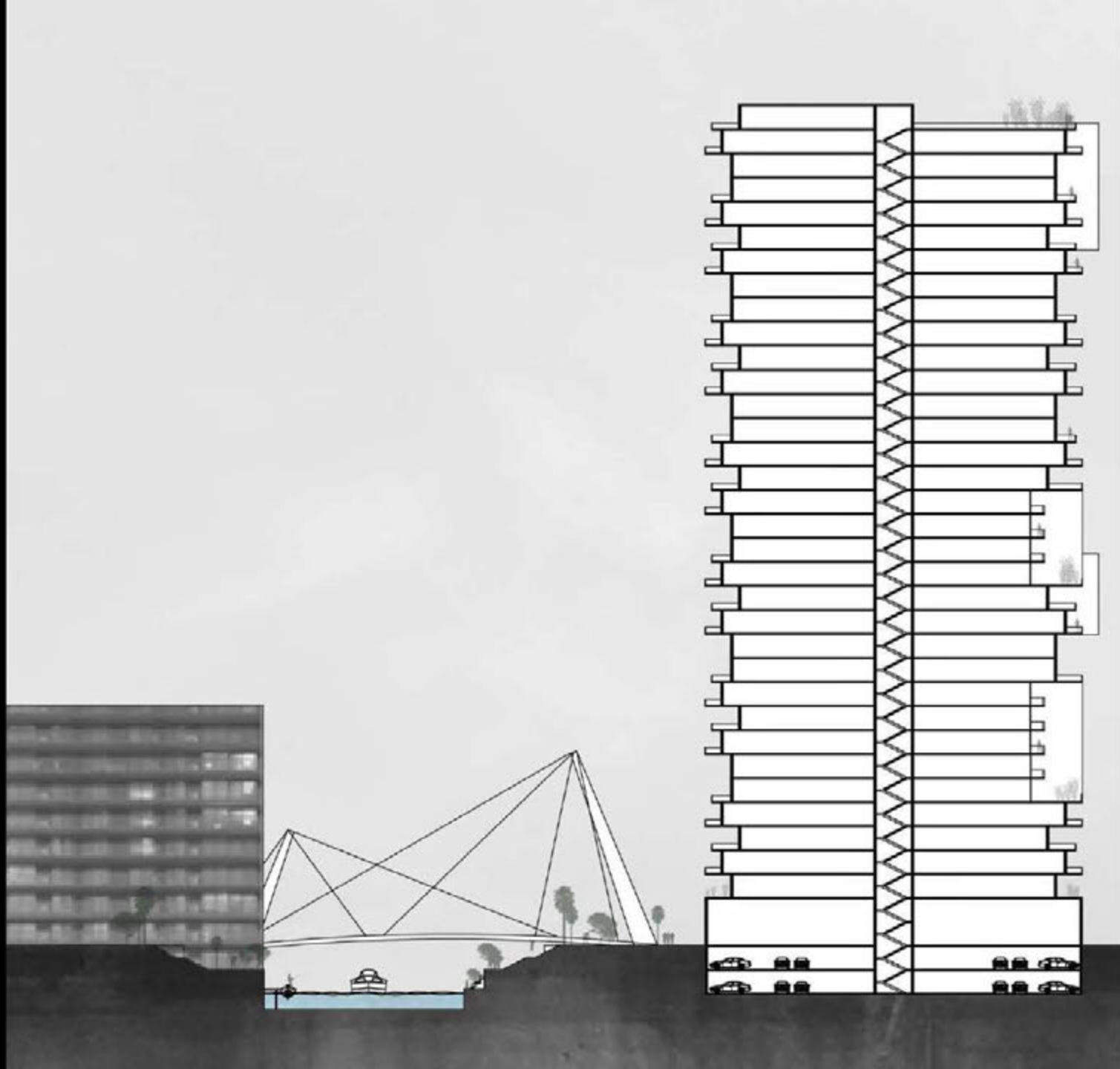












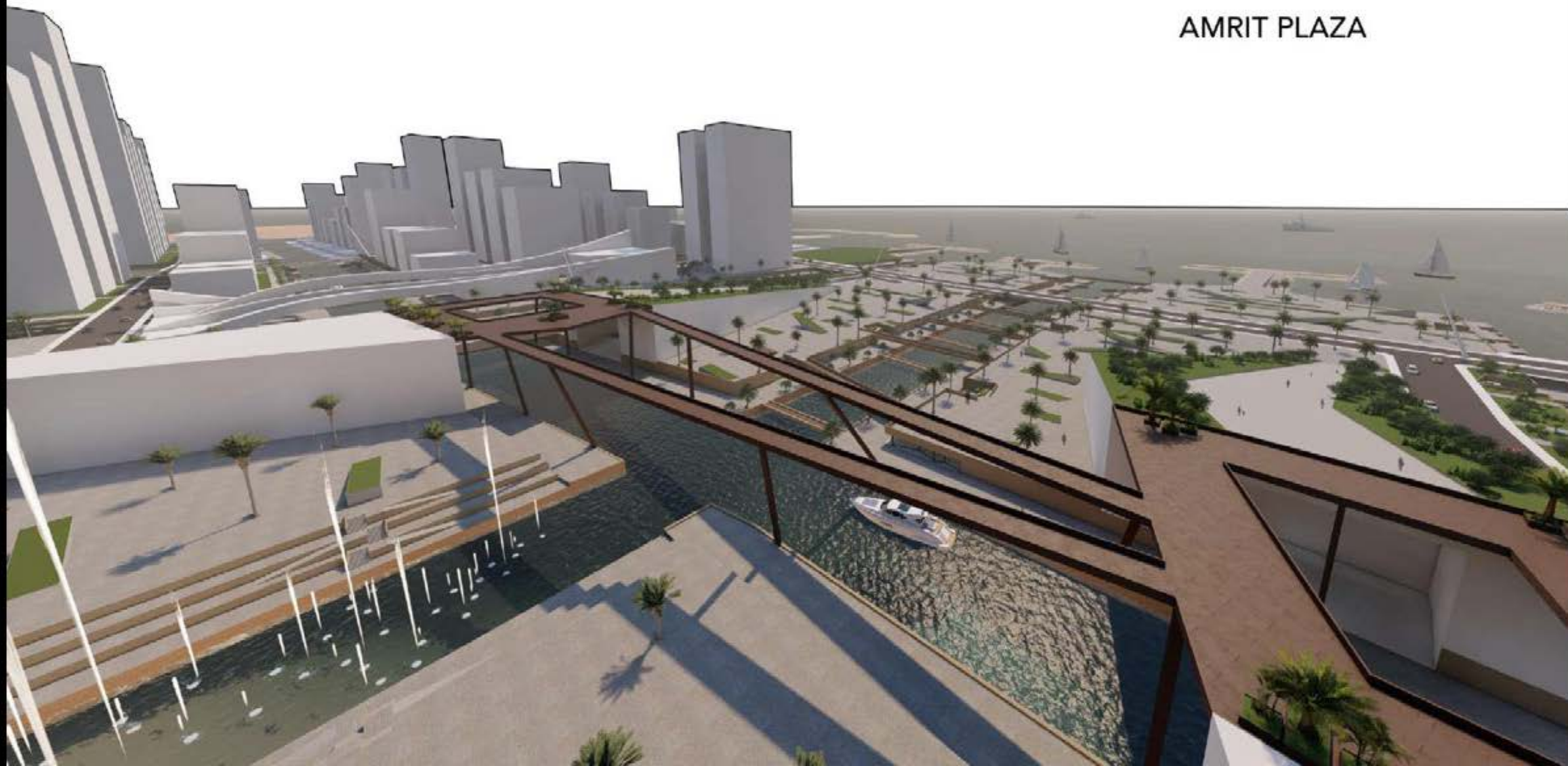








AMRIT PLAZA



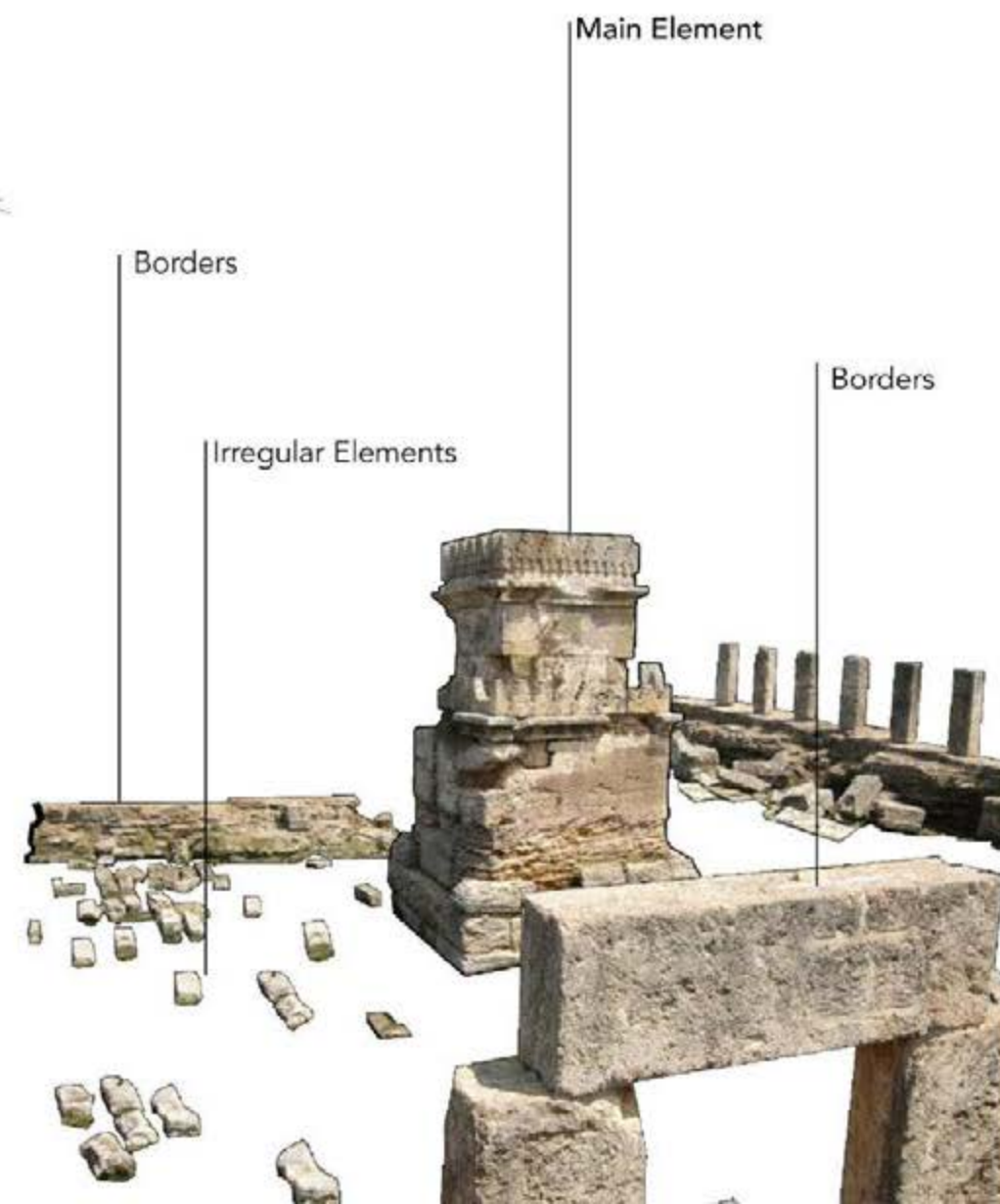


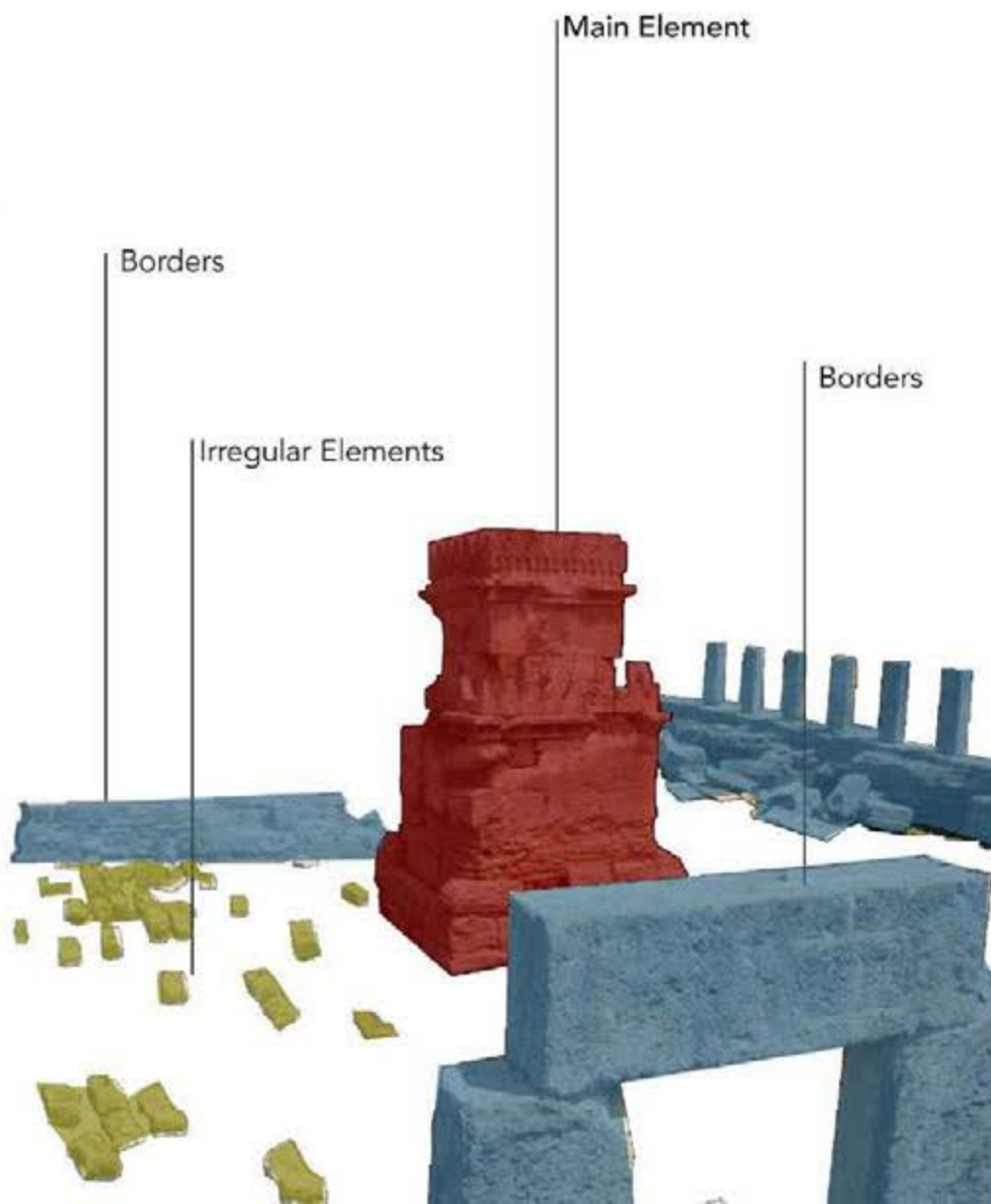
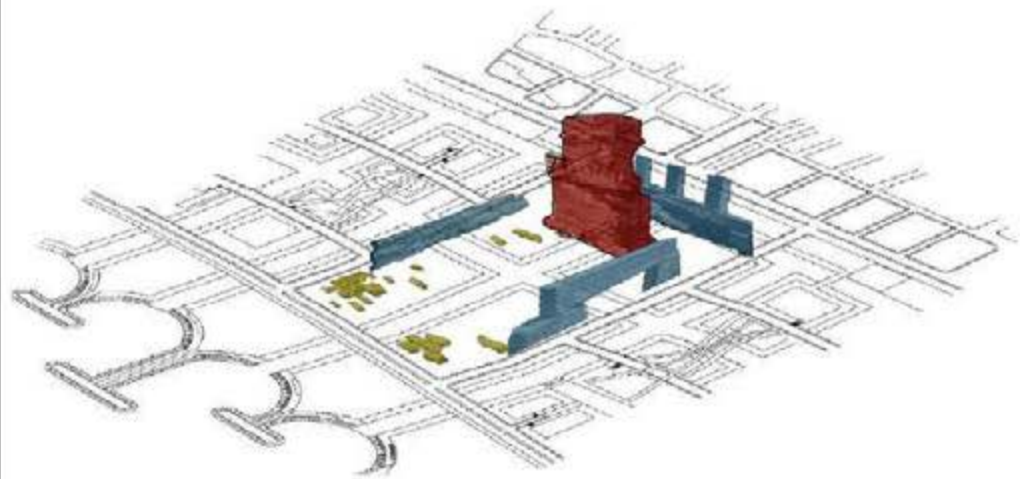
AMRIT ANCIENT CITY

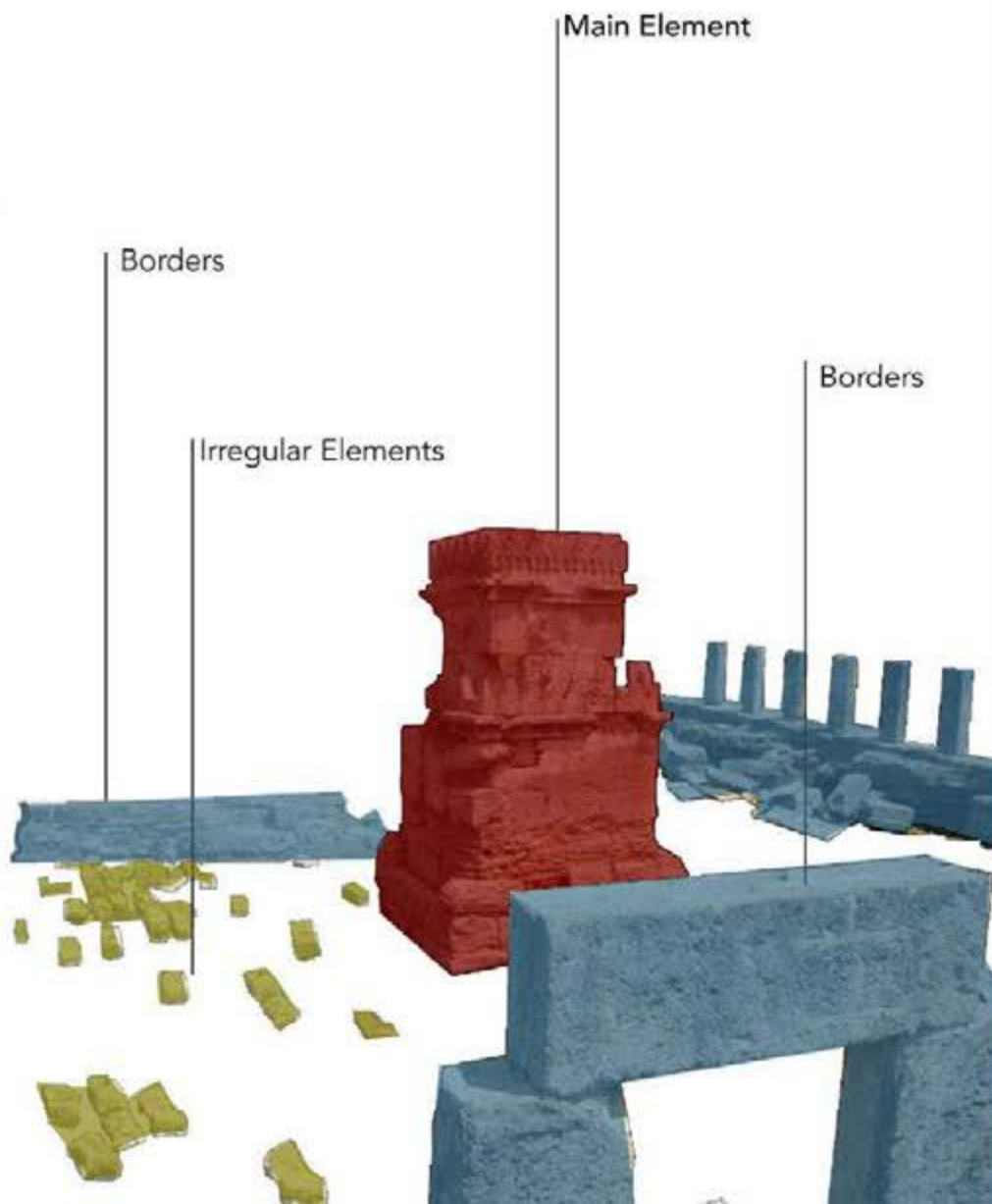
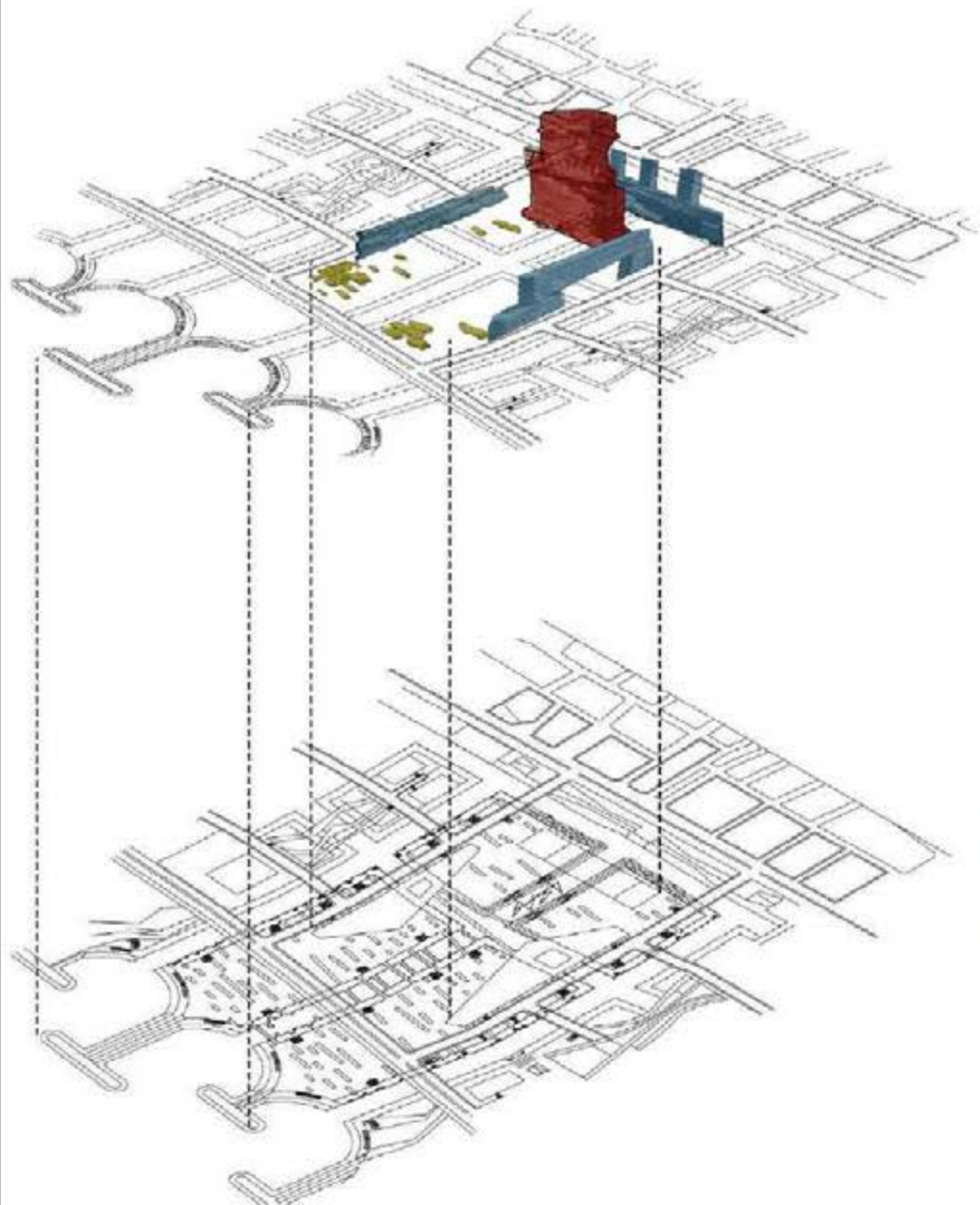
Amrit, was a Phoenician port located near Tartous in Syria. Founded in the third millennium BC, Amrit (Phoenician: Marat) was the northern most important city of ancient Phoenicia.

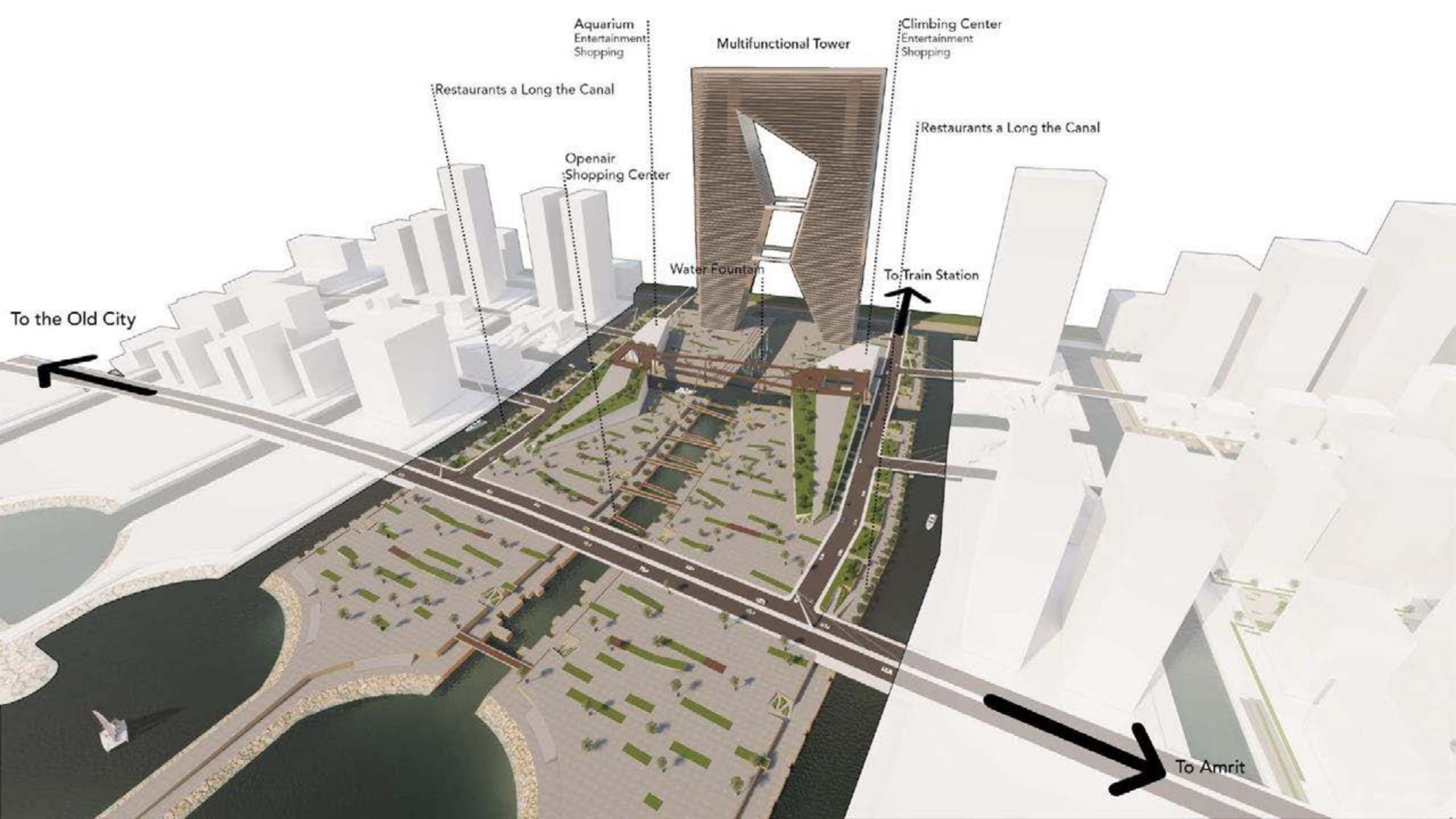


The Phoenician Temple









Aquarium
Entertainment
Shopping

Multifunctional Tower

Climbing Center
Entertainment
Shopping

Restaurants a Long the Canal

Openair
Shopping Center

Water Fountain

Restaurants a Long the Canal

To Train Station

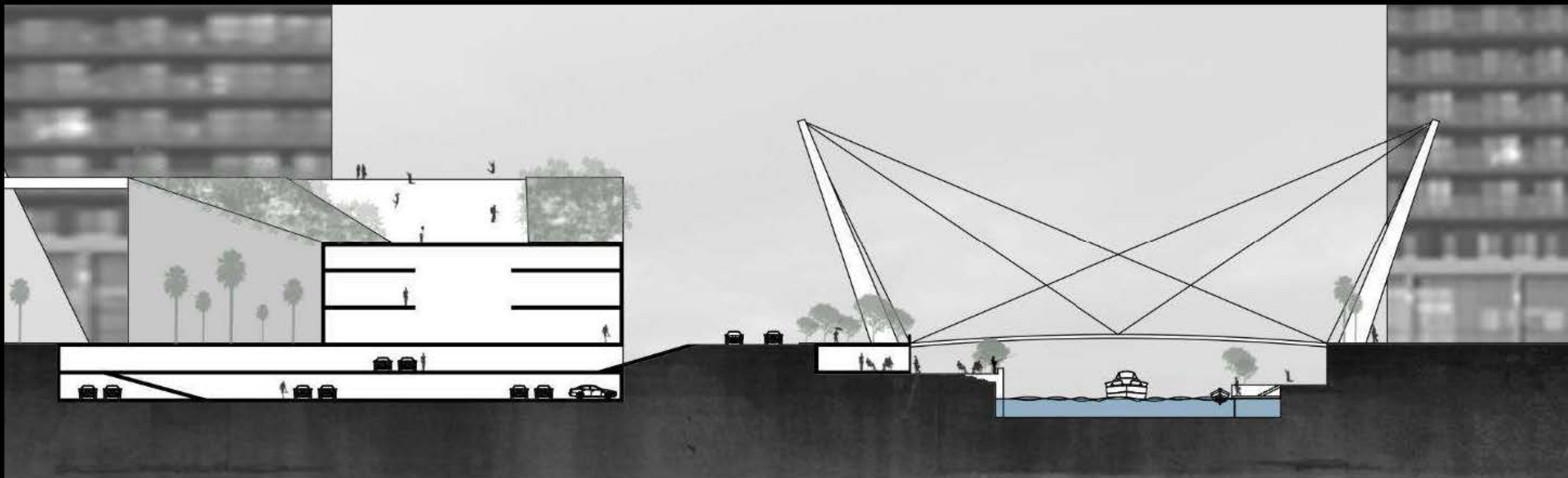
To the Old City

To Amrit





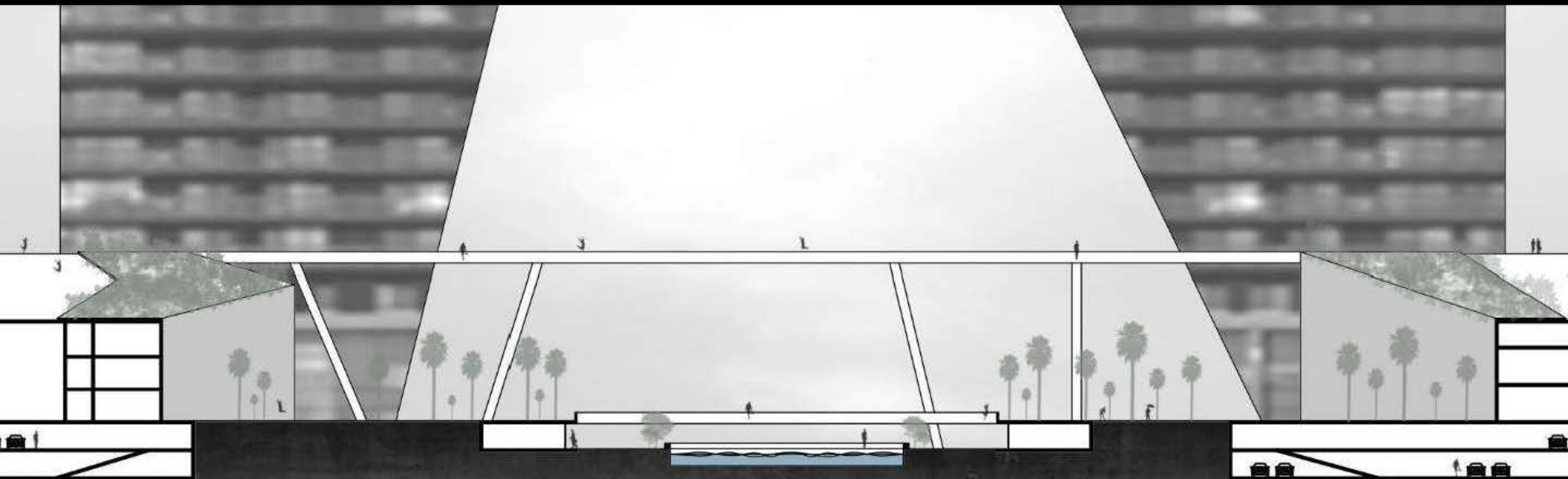








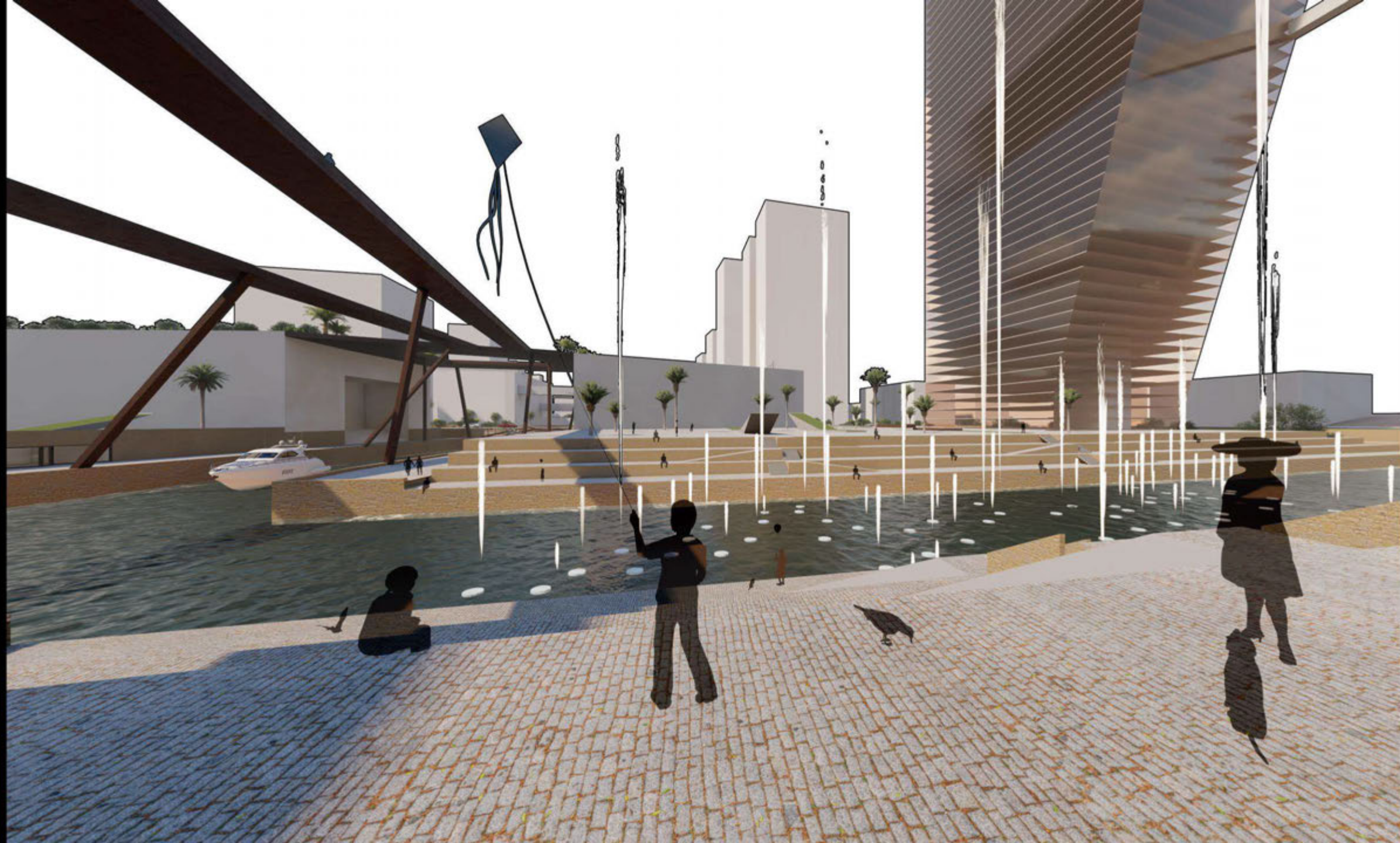




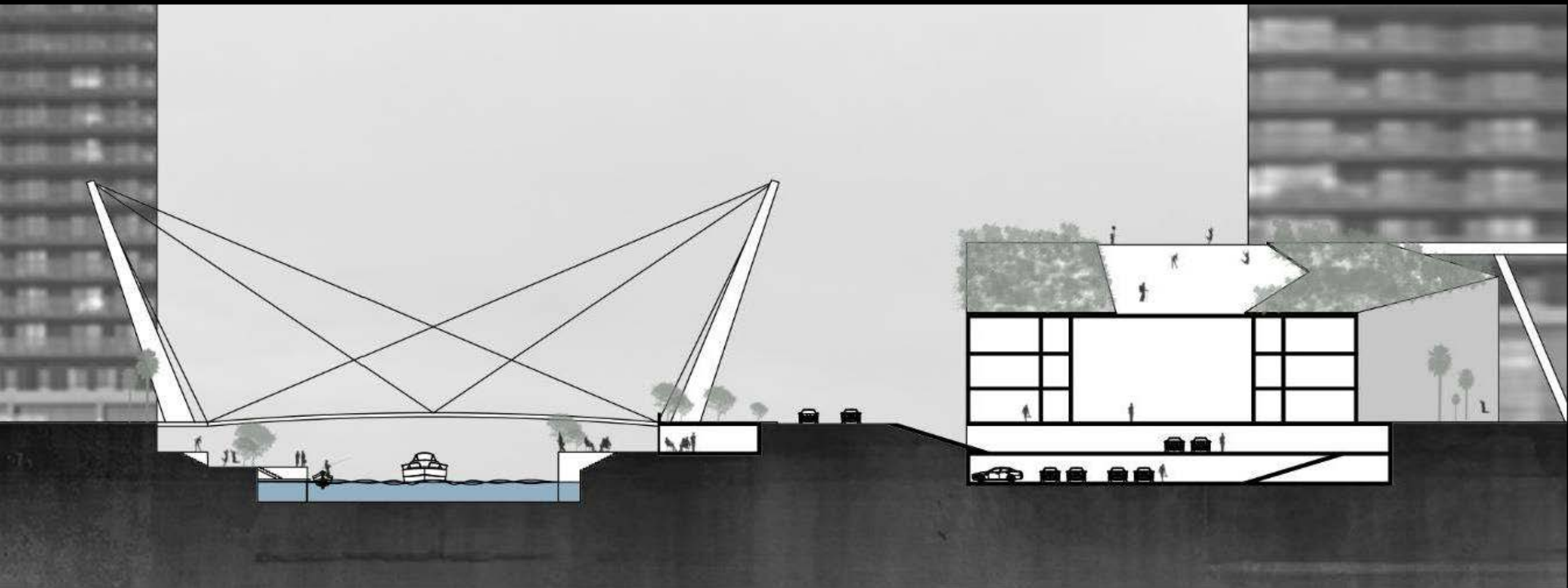
















Multifunctional

Sky Hotel 220m High

Skygarden with
Observation Deck
169 m High

4 SKY Bridges

Entertainment

Working

Living

PHOENIX TOWER



Past

OLD

East

Mountains



Sea

NEW

Future

West



Sky Hotel

Skygarden with
Observation Deck

Offices

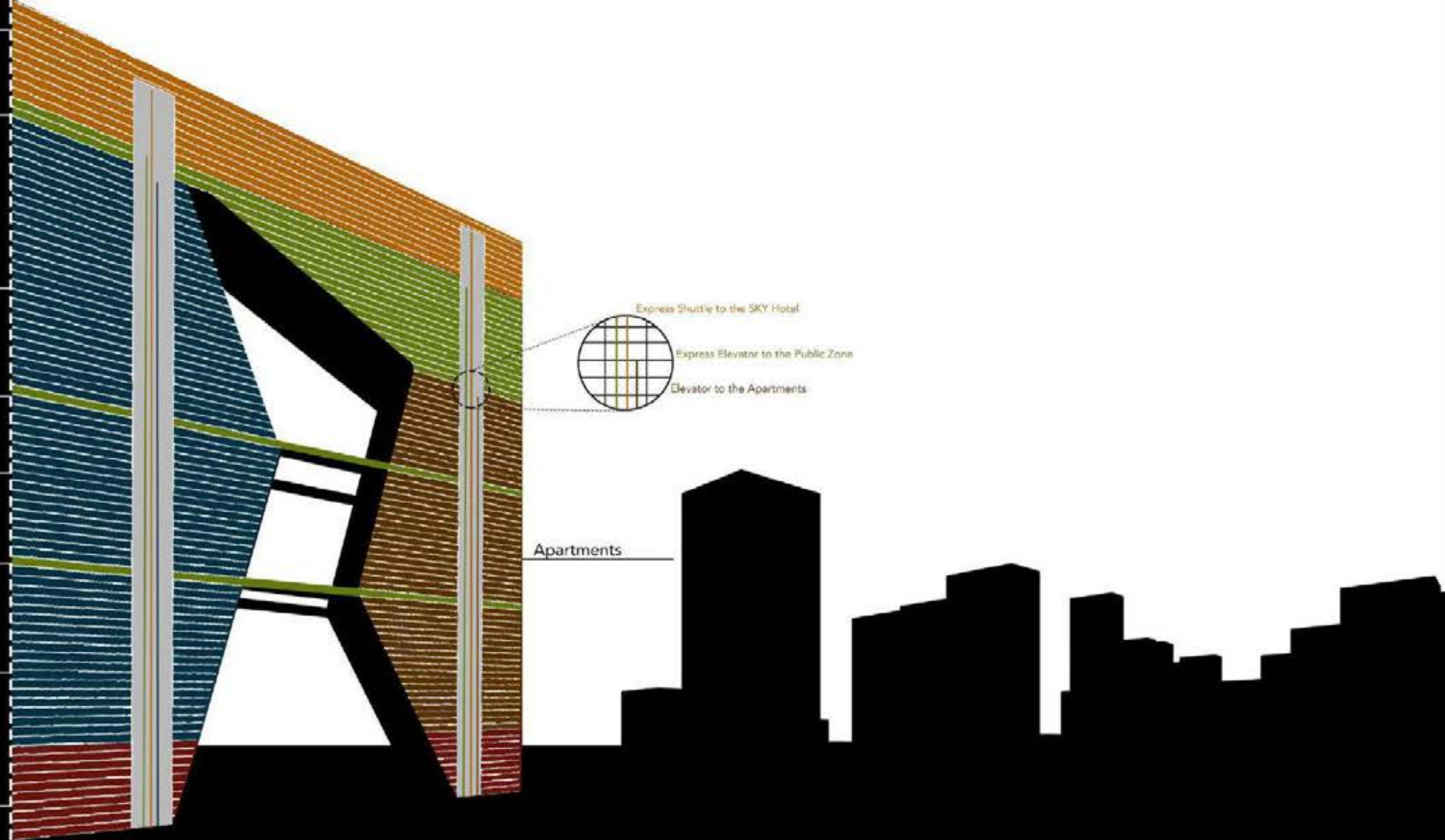
SKY Bridges with
Public Area

Offices

SKY Bridges with
Public Area

Offices

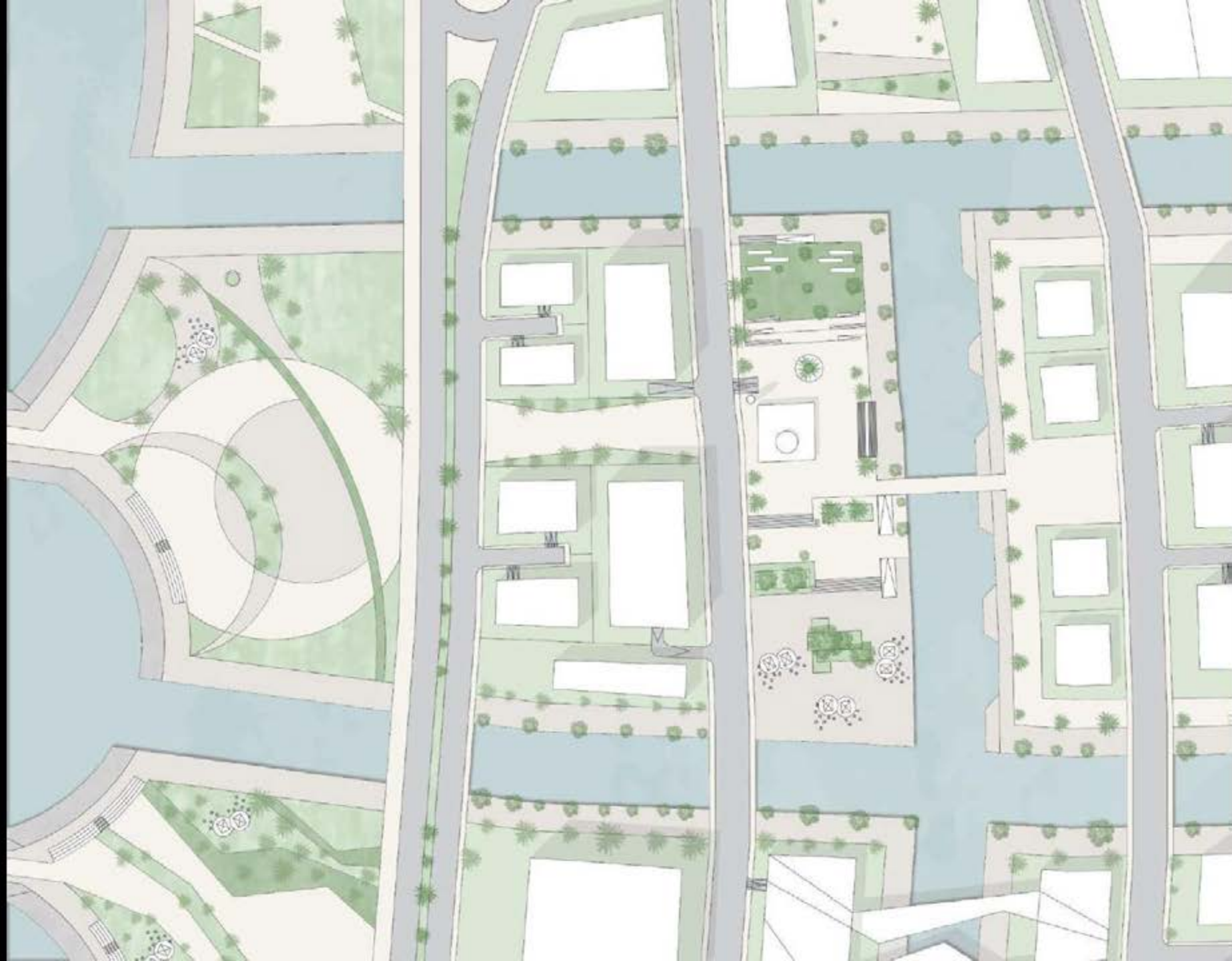
Entrance
Public Area



Development of the Ali ibn Abi Talib's Mosque Square

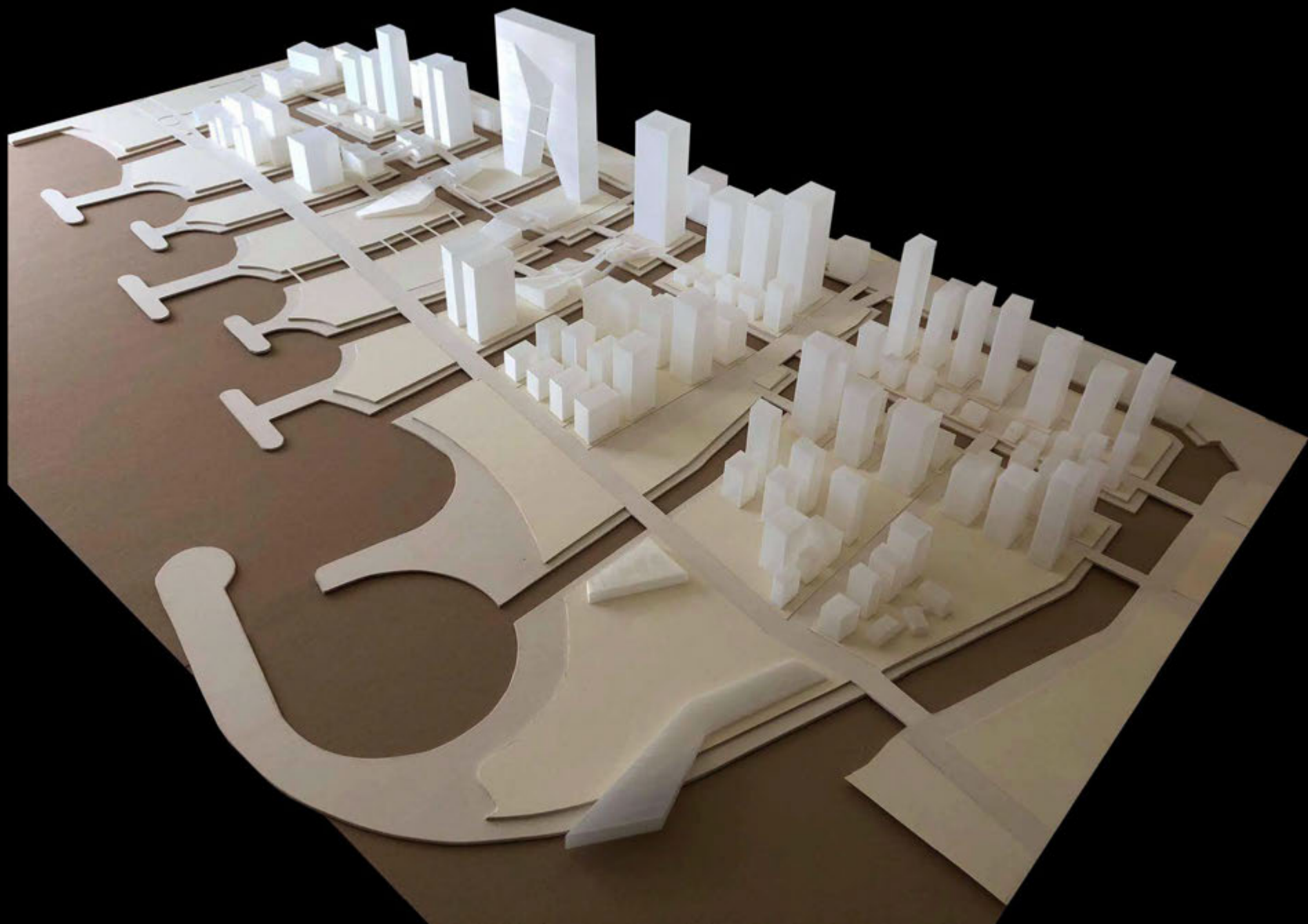




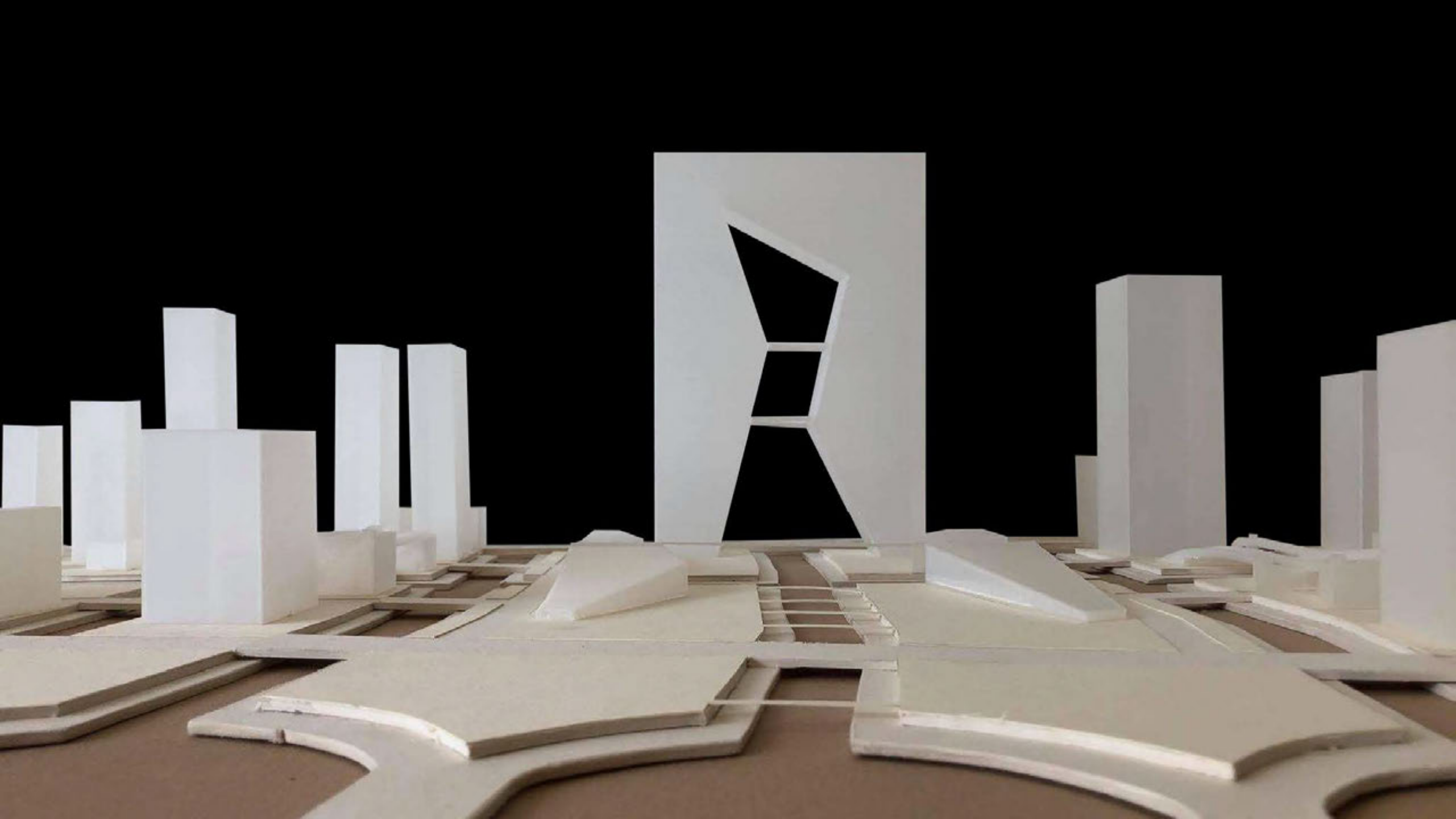


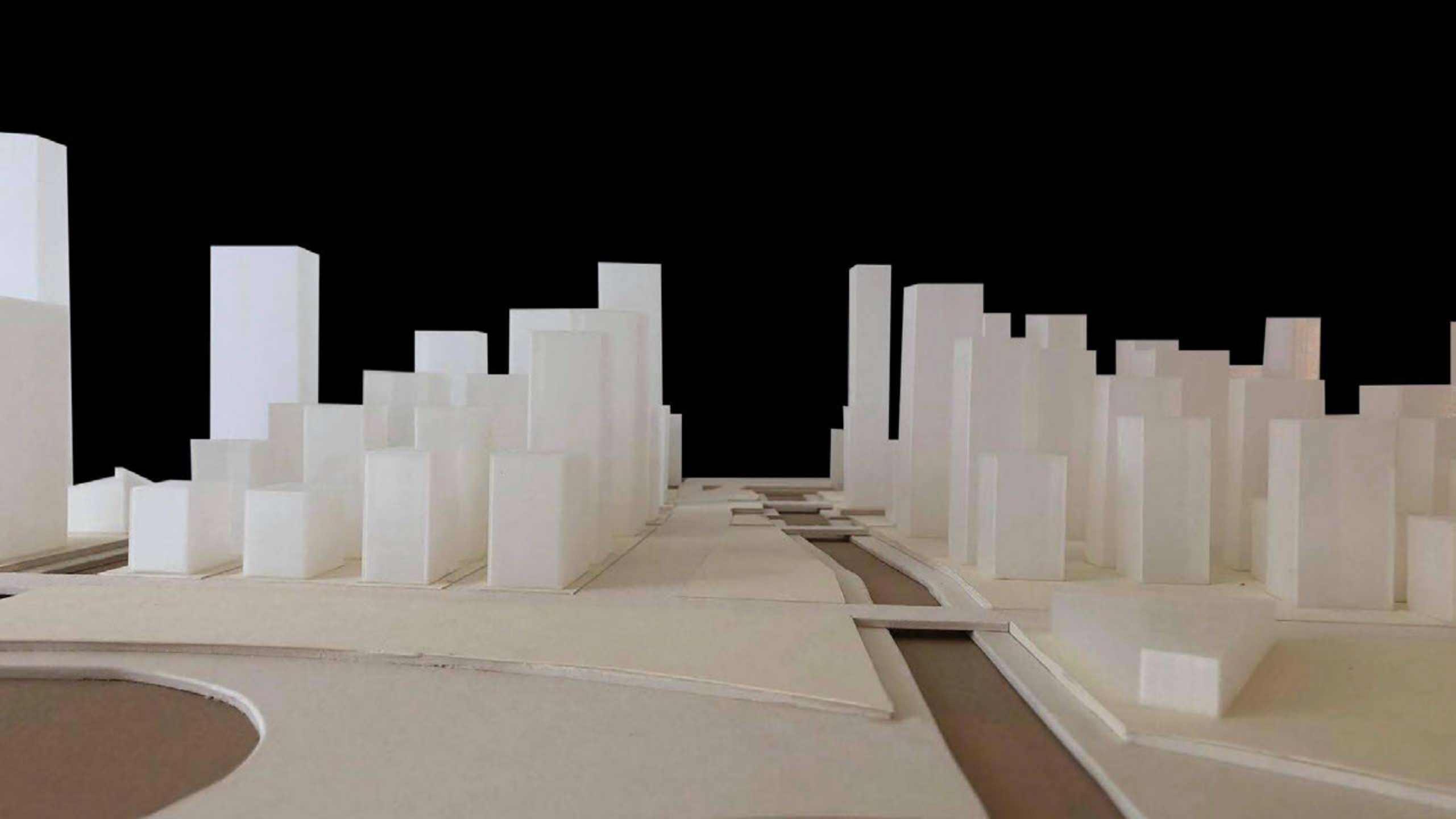


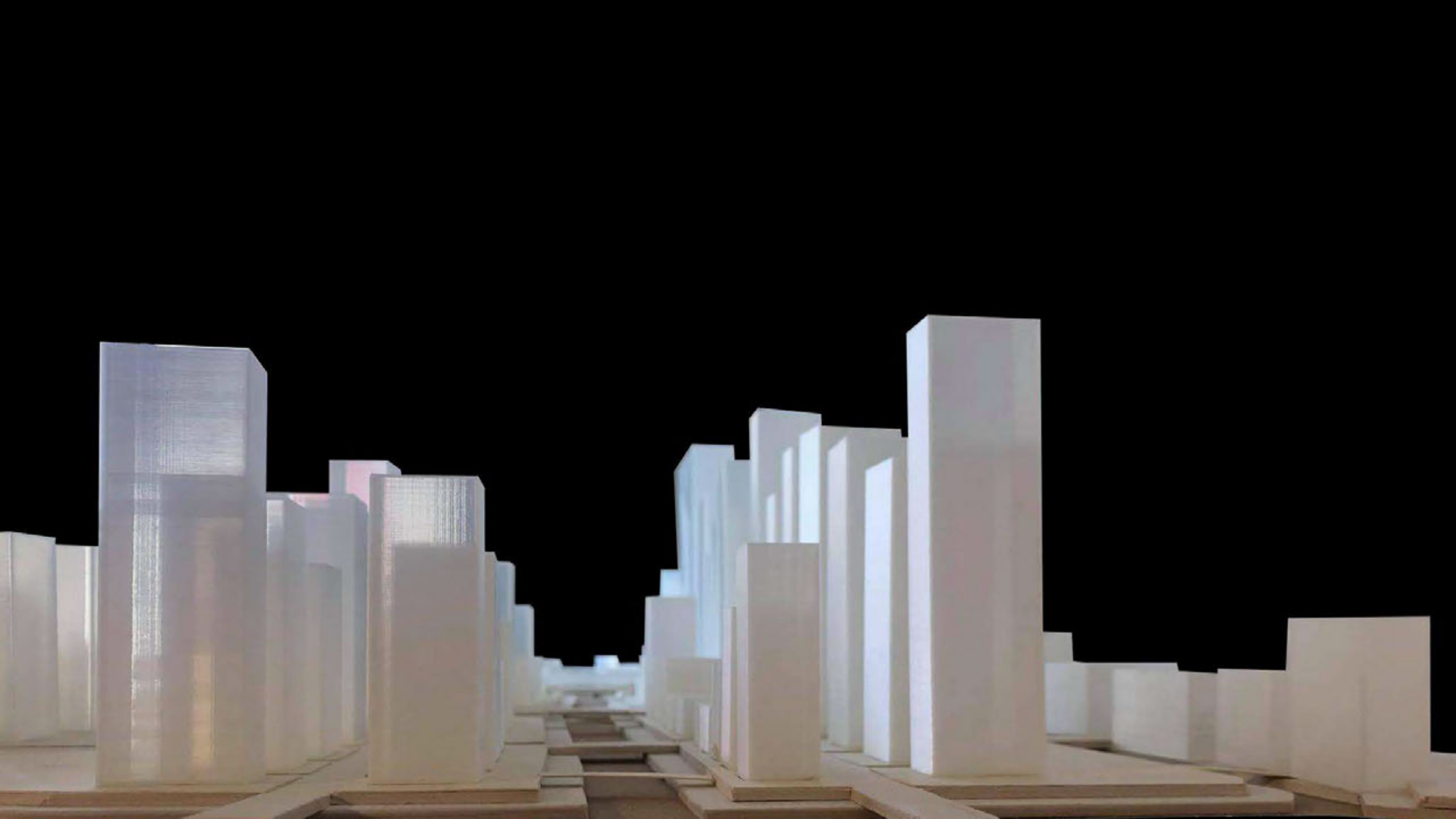




















PARIS



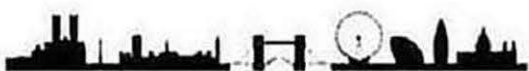
TOKYO



PRAGUE



VENICE



LONDON



HONGKONG



ISTANBUL



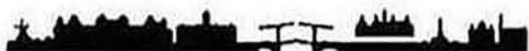
MIAMI



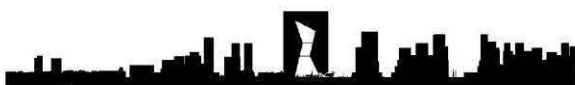
RIO DE JANEIRO



BARCELONA



AMSTERDAM



TARTOUS



DUBAI

THANK YOU FOR YOUR ATTENTION

