



Cihan University- Slemeni

Academic year 2023-2024

First semester

5TH STAGE URBAN DESIGN

1ST LECTURE

SITE STUDY

Site Study

Site location

Historical Background

Site Condition:

A. Architectural conditions

Building Height

Functions

Buildings age

Buildings materials

Architectural features

Structural condition

B. Visual Study

Façade typology and skyline

Location Axiality

C. Circulation Study

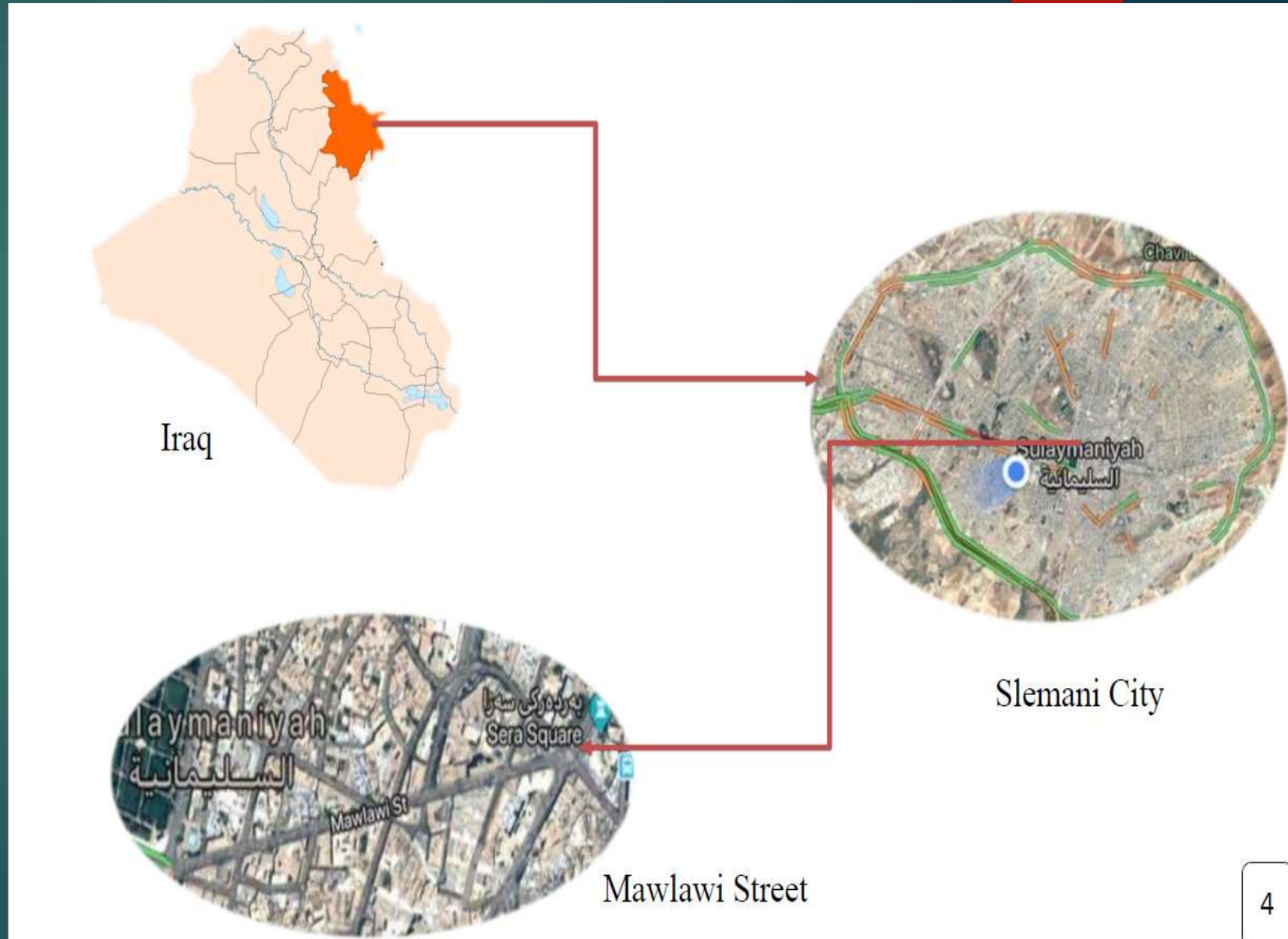
Car Accessibility

Pedestrian

Car parking

Site location

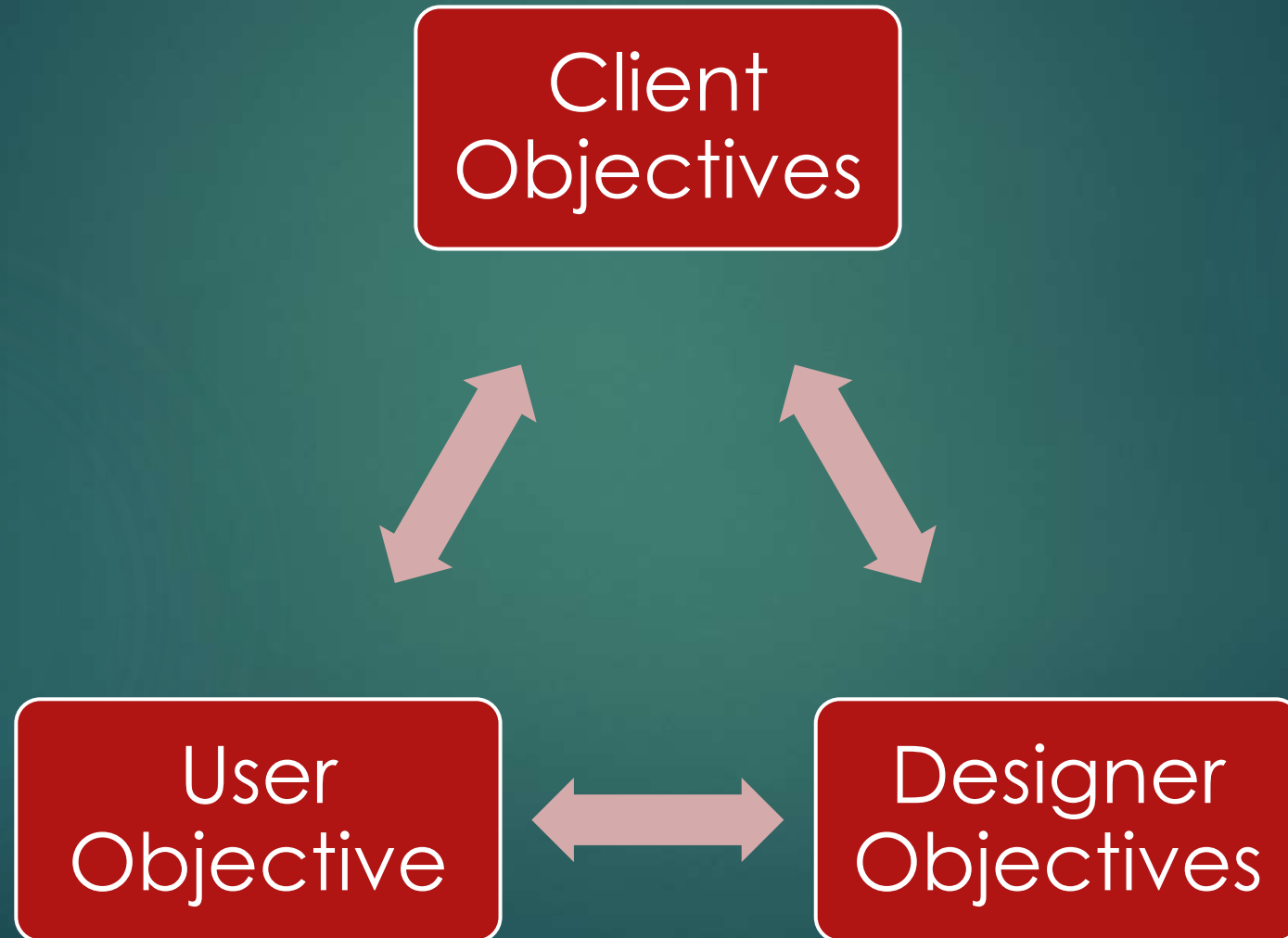
The analysis of site according to its location in the country, region and the city with the surroundings



Historical Background

- ▶ It is a theoretical study about the origin of the district, the historical features in architecture, memories, events.... etc.

Project objective



Client Objective

Politicians

Authorities

Land owners

Investors

Funders

► Haifa street
in Bagdad





User Objectives

Owners

Occupants

Land developers

Citizens





Bezirk



Designer Objectives

Visions

Future extension and developments

Implementation



FLEMING ROAD

O'BRIEN ROAD

LUARD ROAD

Criteria Formation

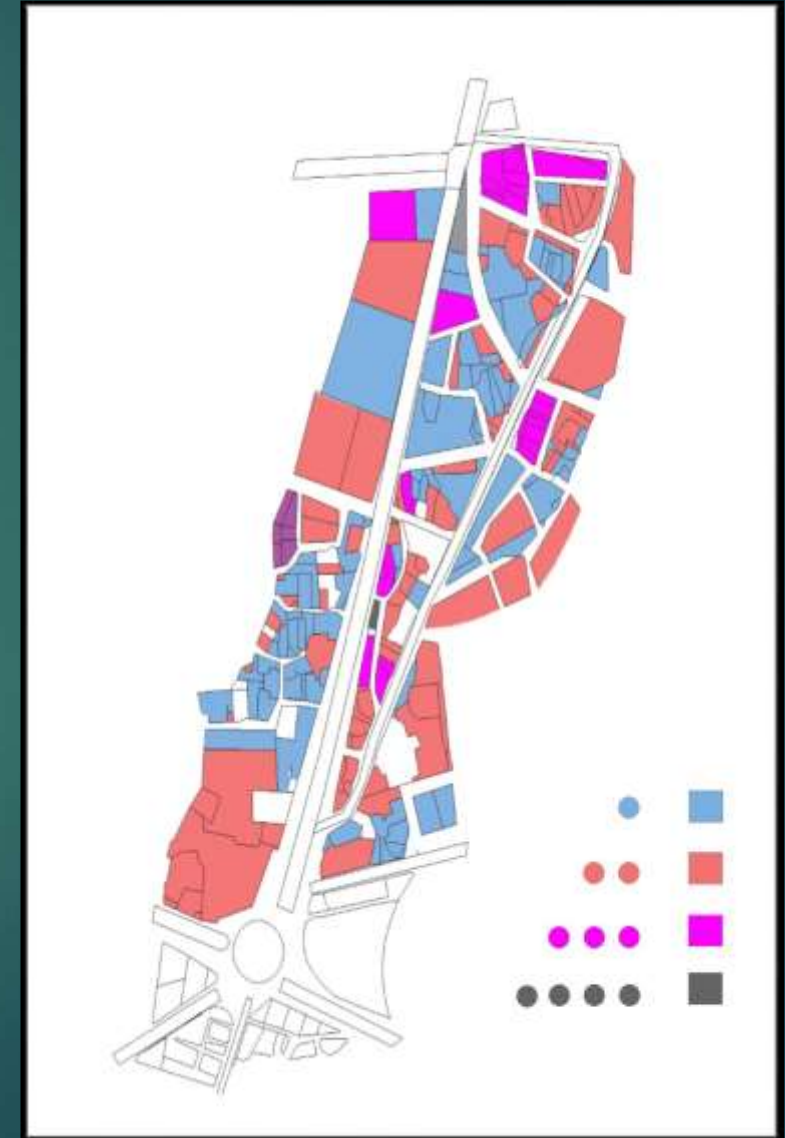
- ▶ Objectives
- ▶ Finance
- ▶ Strategy of Development
- ▶ Phases of Development
- ▶ Type of implementation

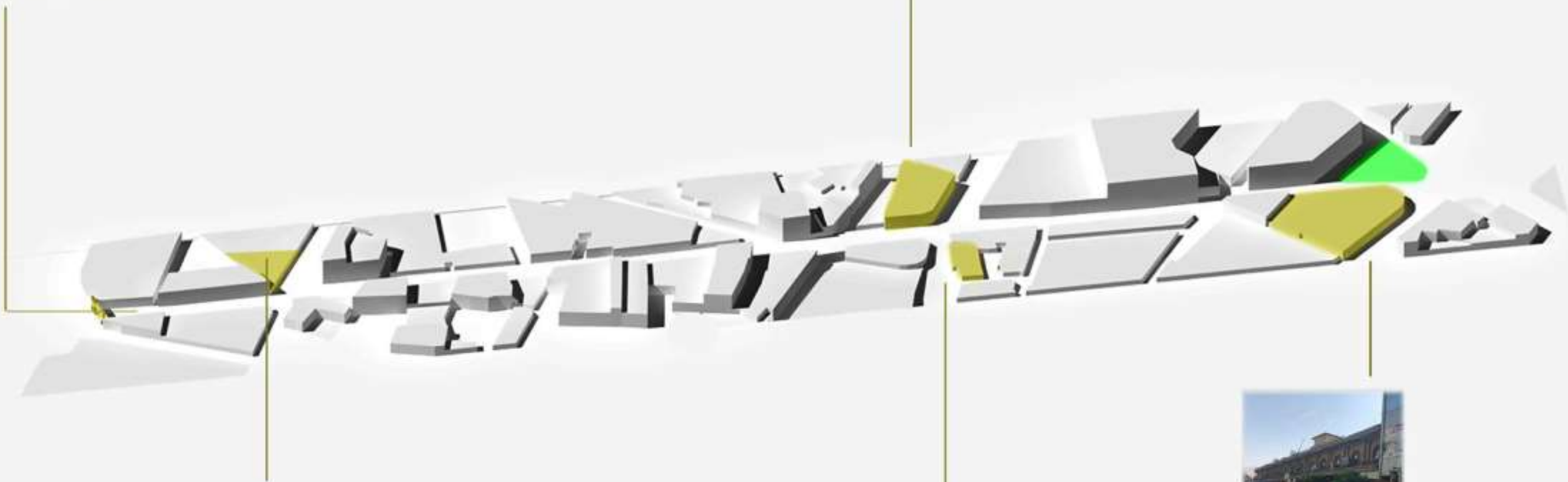
Architectural condition study

- ▶ Architectural condition mean the situation and features of the buildings and the site that determines the level of interfere from the architect or the firm of renewal . Usually concern but not limited to the following elements:
- ▶ Building Hight and no. of floors
- ▶ Functional suitability
- ▶ Buildings age and imageability
- ▶ Buildings materials and adaptability
- ▶ Architectural features and worthy
- ▶ Structural condition

Building Height and no. of floors

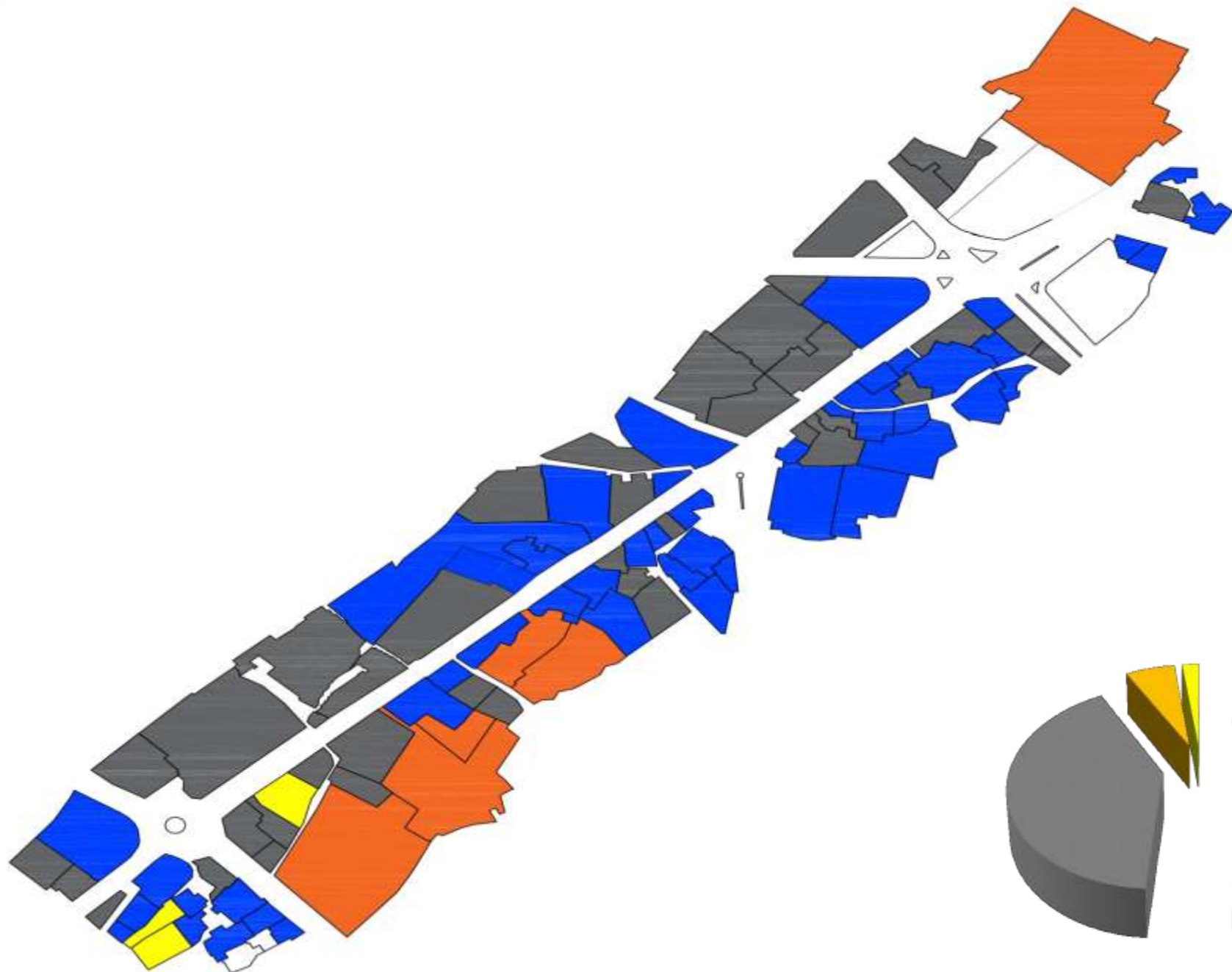
- ▶ The analysis of the height of the building that appropriate with the city regulations and project objectives.
- ▶ It is also useful into getting the grain and texture of the site and vacant lands.
- ▶ It could be studied by data collection of the district building height range like (5-15 m), (30-60m).... or no. floors range like (1-3 floors), (4-6 floors).....for each building and project it into the base map, with color and legend or 3d map with color.





Functional suitability

- ▶ It is related to the appropriateness of the functions of the buildings and utilities available in the site that matched the project objectives
- ▶ It is important study to determines which building should be functional changed and which one should be remained.
- ▶ It could be studied by data collection of the district building functions like (commercial, housing. Services,....) for each building and project it into the base map, with color and legend



Building Function

- Commercial
- Housing
- Offices & services
- Mix use

Group No. 2

Data collection of :
Kawa street

Scale 1:1250

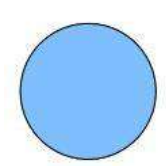
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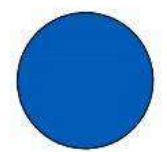


Buildings age and imageability

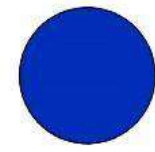
- ▶ Building age is an indication for the worthy of building into the sense of tradition and the archeological manner.
- ▶ Also it indicate the age of the district and indicate the orientation of the preservation strategy of the site.
- ▶ It could be studied by data collection of the district building age range like (10-30), (40-60)... or more).....for each building and project it into the base map, with color and legend.



Renewal



Between (20-30)
years



More than 50
years



Buildings materials and adaptability

- ▶ It is related to the appropriateness of the functions to the local material and cost of building construction which is related directly to the project objective
- ▶ It is important study to determine which building should be changed to accommodate local material or not
- ▶ It could be studied by data collection of the district building functions like (concrete, brick, mixed,...) for each building and project it into the base map, with color and legend



Architectural features and worthy

- ▶ Building features is an indication for the worthy of building into the sense of value manner.
- ▶ It could be studied by data collection of the district building worthy range like (valuable, moderate, and non valuable), for each building and project it into the base map, with color and legend.

Structural condition

- ▶ Building structural condition is an indication for the ability of building to last for a long time or not. It is also indicate the coast of the renewal process of the project.
- ▶ It could be studied by data collection of the district building worthy range like (skeleton, loadbearing, shell...), for each building and project it into the base map, with color and legend.

4. Buildings structure:-

Rashid bank



Good condition(Goran hotel)



-  Good
-  Medium(fair)
-  Bad



Medium condition(Orzdy bak bazar)



Bad condition(Old house)



Good condition(Clinic building)

Analysis

After projection of such features it should be coded into an ordinal weight score like (1, 2, 3....) and indicated into a matrixes for each plot

The weighting of the score must be coordinate with the project objectives.

The matrixes now will indicate the average fabric condition and the orientation of the tree strategies related to the district:

Preserved building

Renewed buildings

Removed buildings

NO.	Condition	Structure	Building height	Function	Building age	Building material	Quality	Evaluation
1	4	4	4	3	4	4	23	Conservation
2	2	2	4	4	3	3	22	Renew building
3	2	2	4	5	3	2	18	Renew building
4	1	1	4	2	3	1	12	Demolished
5	1	1	3	3	4	1	13	Demolished
6	3	4	4	4	2	3	20	Renew building
7	4	4	4	3	3	4	22	Renew building
8	3	4	4	4	2	3	20	Renew building
9	2	3	4	3	4	2	18	Renew building
10	4	4	4	3	4	4	23	Conservation
11	2	2	4	5	4	3	20	Renew building
12	1	2	4	2	4	2	15	Demolished
13	2	3	4	2	3	2	16	Demolished
14	2	3	4	2	2	3	16	Demolished
15	4	4	3	3	2	3	19	Renew building
16	1	2	4	3	4	1	15	Renew building
17	2	2	4	3	5	3	19	Renew building
18	2	3	4	4	4	2	19	Renew building
19	1	2	4	3	4	1	15	Renew building
20	2	2	4	2	5	2	17	Renew building
21	2	3	4	2	3	3	17	Renew building
22	1	2	4	4	4	1	16	Renew building
23	2	3	3	3	4	3	18	Renew building
24	3	2	4	4	3	3	19	Renew building