



56th ISOCARP
Virtual World Planning Congress

Post-Oil City
PLANNING FOR URBAN GREEN DEALS

2020 ISOCARP Student Award Special Mention

**Equitable Urbanism: Economic Rejuvenation of Defunct and
Derelict Districts, Taking the Case Of Kolkata**

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EQUITABLE
URBANISM ...??
GLOBAL CITY ...

Live



Play?

Move

Worker Or
Craftsman

Local Skills
work

Branding?

work

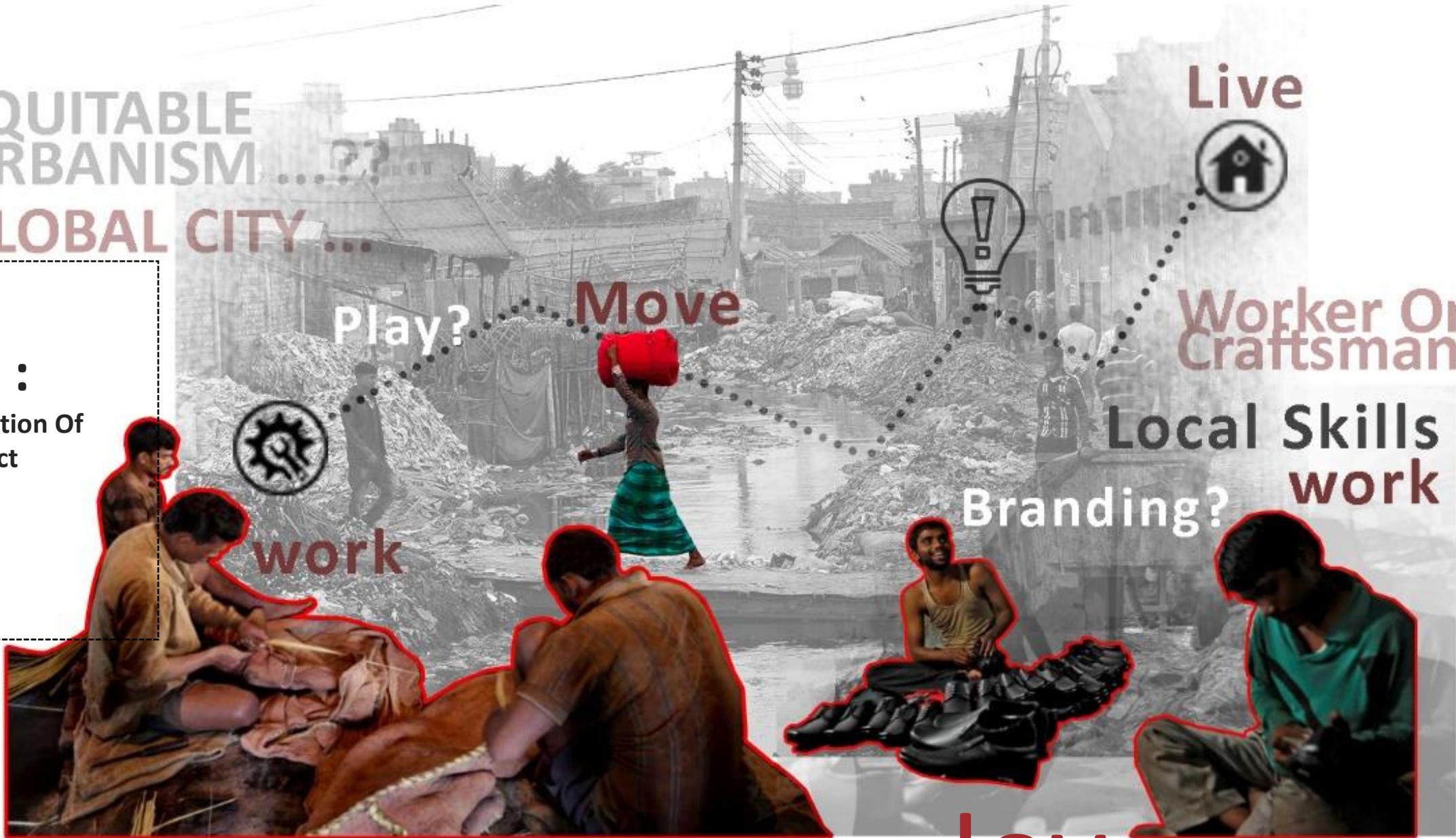


Equitable

Urbanism :

Economic Rejuvenation Of
Defunct And Derelict
Districts,
Taking The Case Of

Kolkata



The City Of **Joy**



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November 2020 - February 2021

CONTEXT OF THE PROJECT

Project Background

1. In an age where urban agglomerations are shaped by rapid economic and demographic changes, *post-industrial areas are interpreted as symbols of the failure of the industrial age*. With the economies of such areas moving towards a post industrial global situation characterized by **growth of the global city of trans-national financial service industries**.
2. Urban Development in the context of post-industrialism is also a point of contention, migration leading to the phenomenon of Urban sprawl , social fragmentation.
3. *The increasing importance of knowledge in post-industrial societies results in a general increase in expertise through the economy and throughout society, this creates a disparity between the service class and the emerging class based on knowledge industry.*
4. The entire process is the highest evolution of capitalism, Such societies then become notable for their ability to subvert social consciousness through powers of manipulation rather than powers of coercion, reflective of the "ideology of the ruling class" which is attained by **valorisation of the certain networks within which these new knowledge based industries operates.**

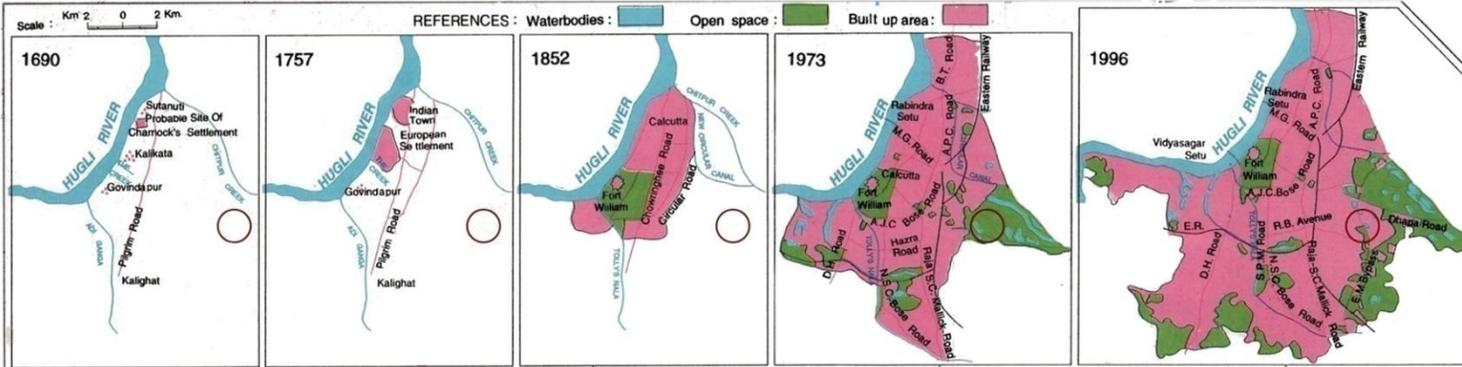


Project Background



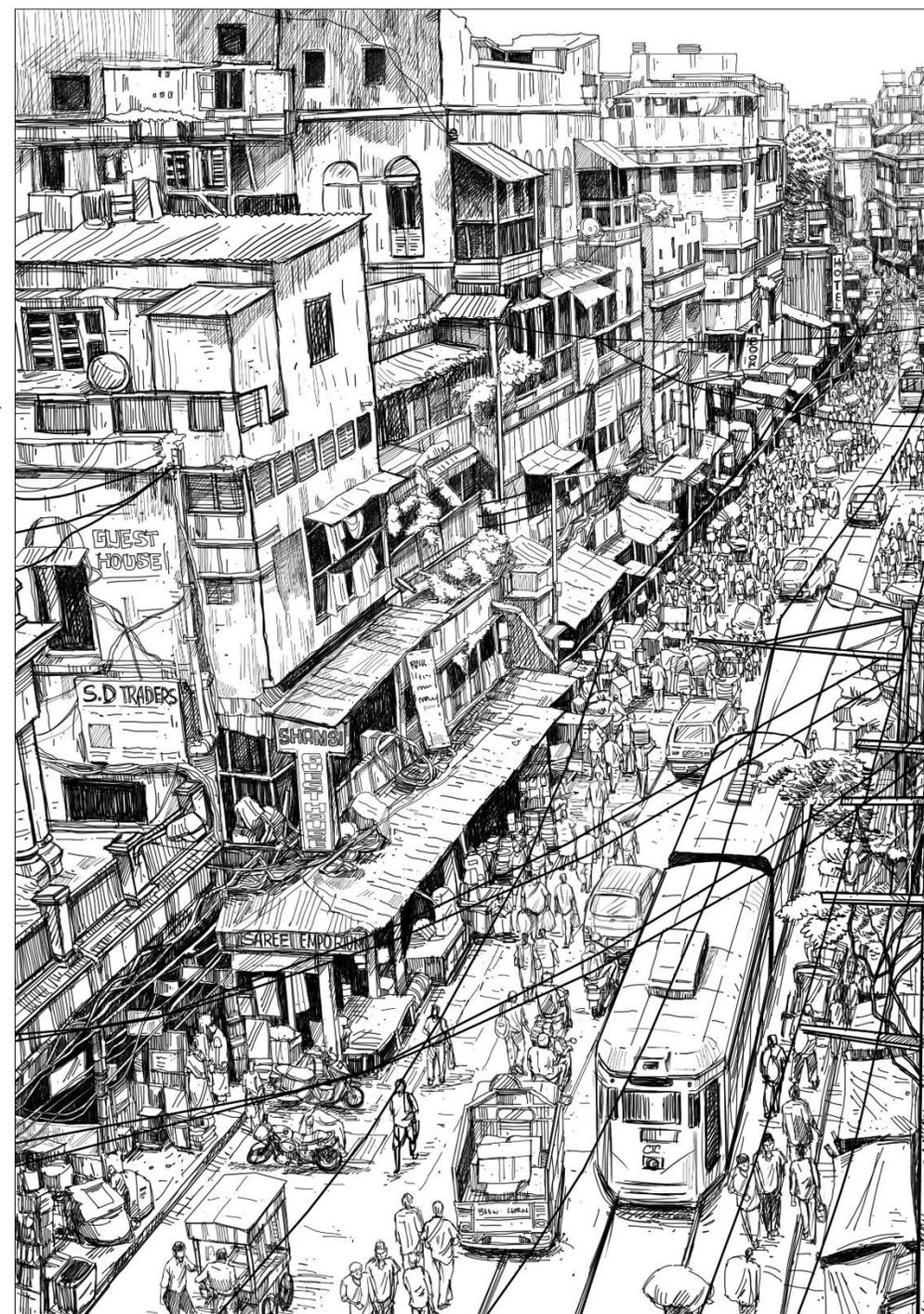
CONTEXT - KOLKATA the city of joy

Over the years the city of Kolkata has an eastward development trend, once the fringes of the city is now becoming places of Intensive development of new township, major network Corridor, IT hub of the city



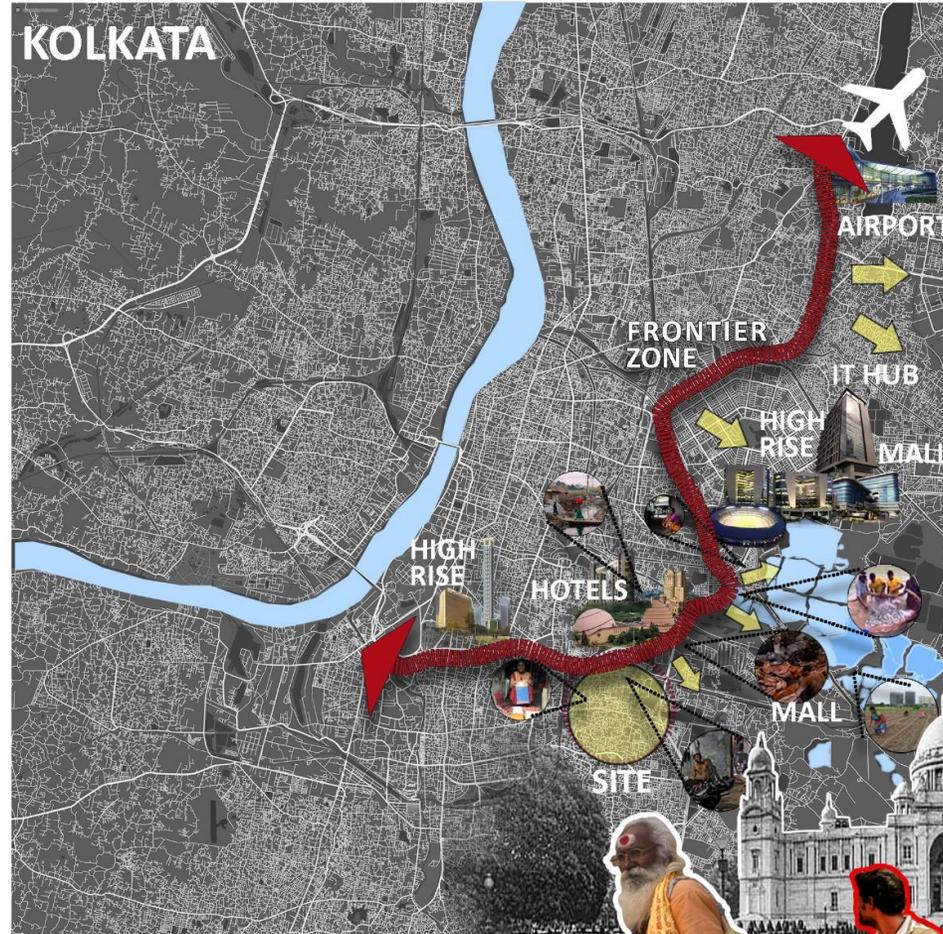
GROWTH OF KOLKATA (1690-1996) Source- National Atlas and Thematic Mapping Org. (NATMO)

1. Kolkata was the capital of the British Indian Empire until 1911. The city was a major port and commerce center in world economy.
2. Since the late 1990s, Kolkata has managed to board the all-India bandwagon of buzzing economic sectors like information technology (IT) and business process outsourcing (BPO).



In context of Kolkata

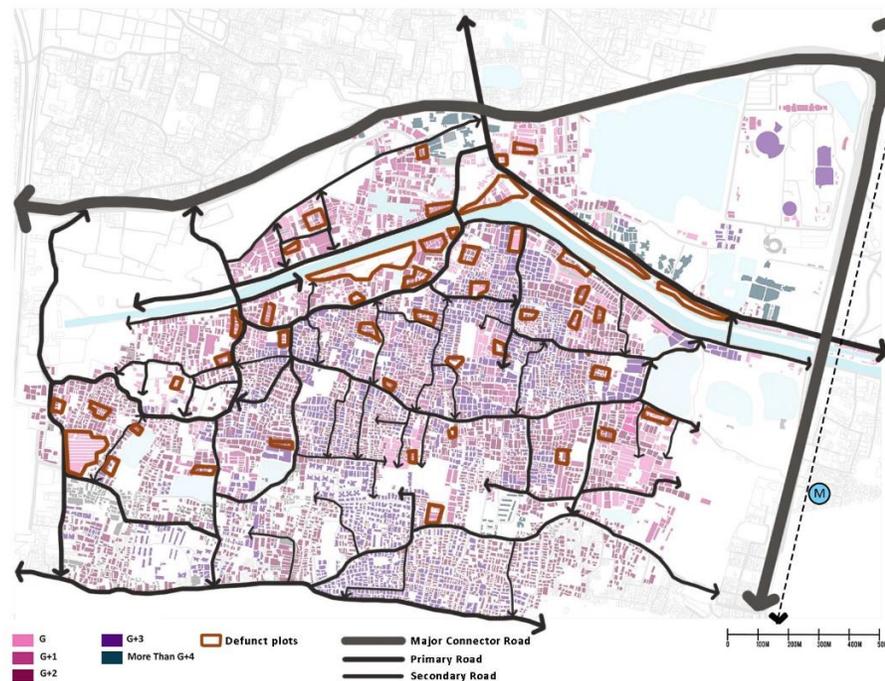
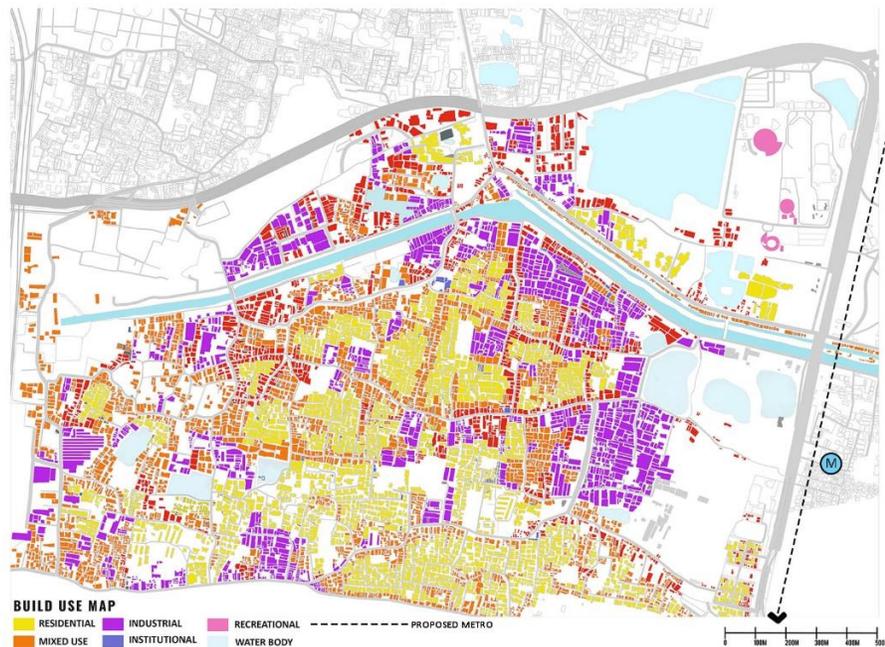
1. From 1960s to the late 1990s, several factories were closed and businesses relocated. The lack of capital and resources added to the depressed state of the city's economy and gave rise to an unwelcome sobriquet: the "dying city".
2. **Kolkata's tanneries**, numbering 500, were situated mainly in Tangra, Tiljala and Topsia areas of the city.
3. These areas, which were once on the **outskirts of Kolkata**, in the course of time, with the rapid expansion of the city, found themselves in densely populated areas.
4. Over the years major developments along the *E.m bypass has further pushed these local bussiness on the verge and has made ways for the new global agencies to setup their own in the new Frontier zone of the city.*



SITE CONTEXT

1. The site is Located at a **prominent nodes** of the **E.m byapss** connector that runs across the eastern edge of the city.
2. The site is a interface between the major developments in this corridor and has a lot of defunct pockets which are under a constant pressure of development.
3. The built environment is at an constant intercede of change as a result of Land sharks and due to its prime location in the city.
4. With the upcoming the metro under construction, this will see major changes in the near past.

UNDERSTANDING THE SITE



UNDERSTANDING THE BUILT ENVIRONMENT

THE CHANGING URBAN TEXTURE

TOPSIA AREA



FINE grain and uneven pattern TOPSIA AREA



FINE grain and uneven pattern TOPSIA AREA



FINE grain and uneven pattern KUSTIA AREA

Morphological changes



Sporadic development along industrial Clusters



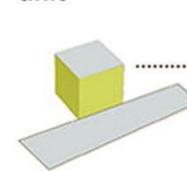
Leather Clusters along the cannal



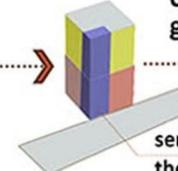
Mixed Use developments along the Ponds

Pattern of Transformation

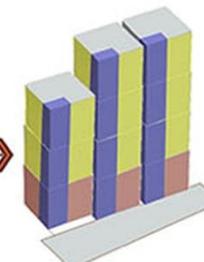
single residential unit



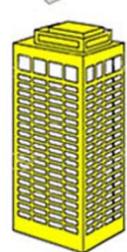
residential with commercial on ground floor



Change in Density



service core along the main street



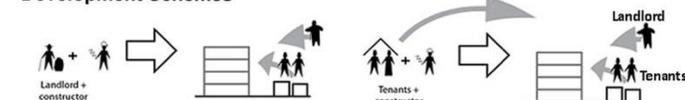
ORIGINAL SETTLEMENT (HUTMENTS)
FINE GRAIN EVEN TEXTURE
ORGANIC GROWTH WITH WINDING PATHS

RECENT DEVELOPMENT
HIGHLY MIXED TYPES
MIX GRAIN
UNEVEN TEXTURE
ROAD/ACCESS-INDUCED DEVELOPMENT

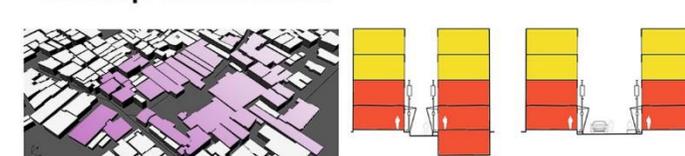
UNAUTHORIZED HOUSING ON RECLAIMED WETLANDS
COARSE GRAIN EVEN TEXTURE
ORTHOGONAL ARRANGEMENT

Topsis Multi storey High rise
COARSE GRAIN, UNEVEN TEXTURE, GATED RESIDENTIAL BUILDINGS

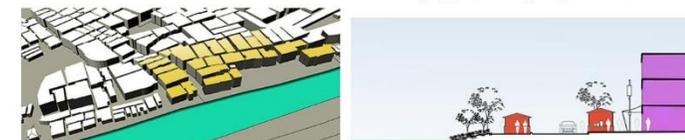
THIKA TENANCY Development Schemes



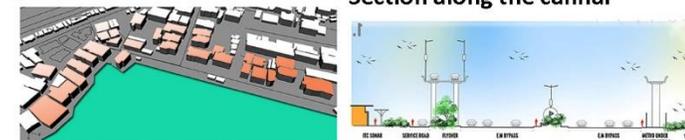
Development Schemes



building types along Topsisia main Road

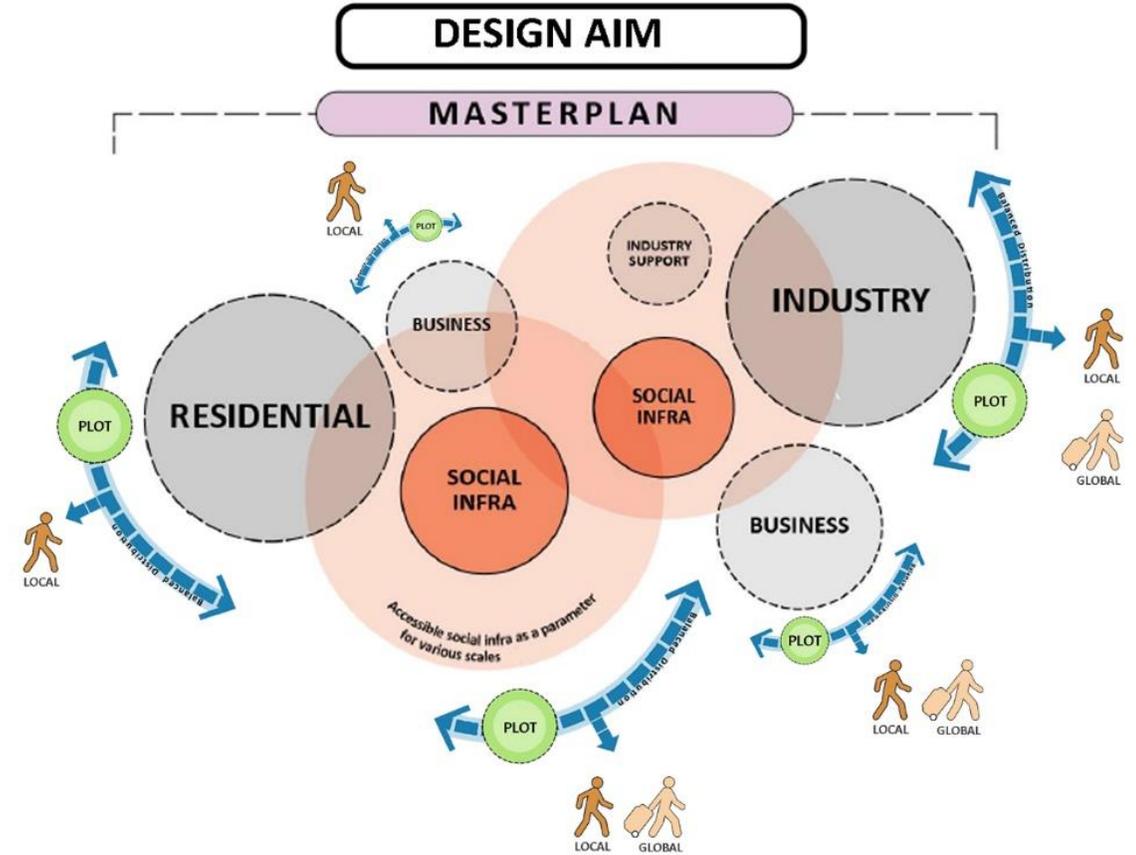
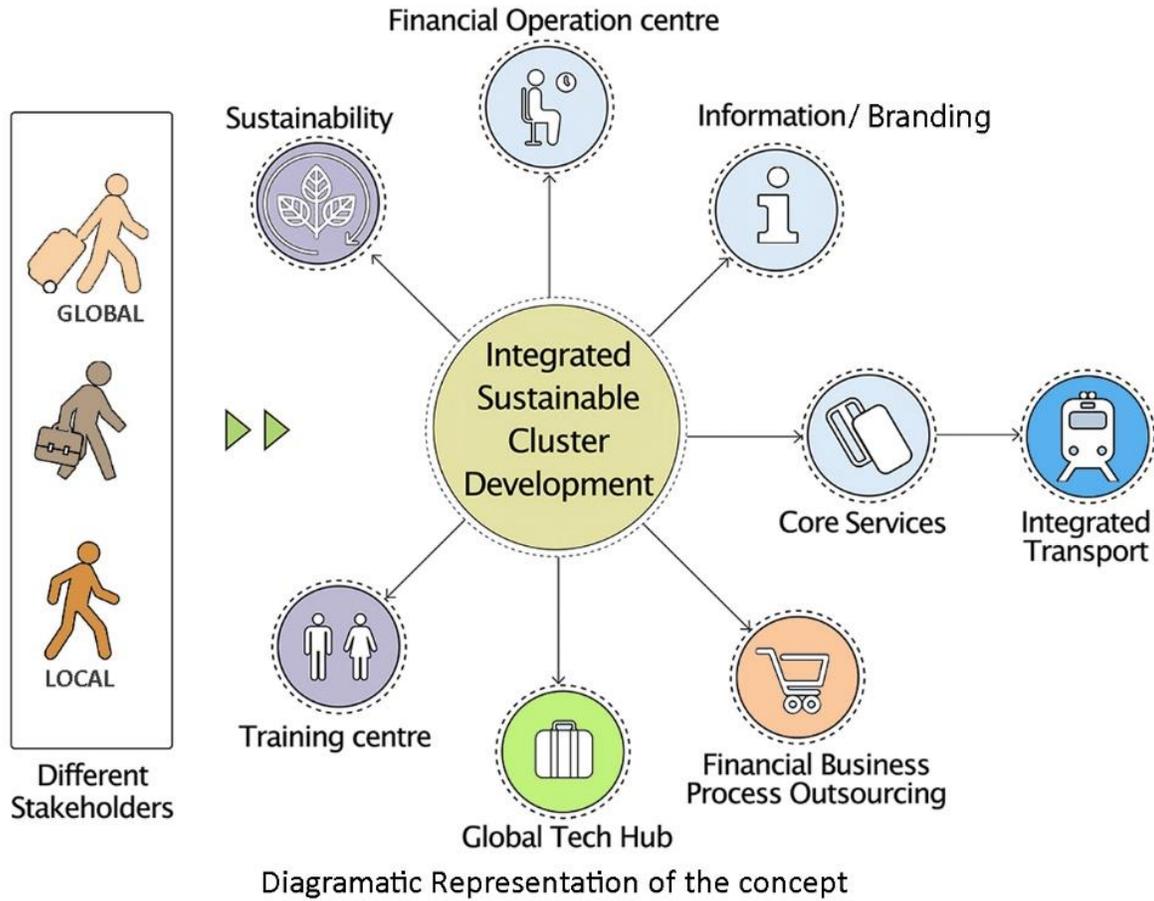


Section along the cannal



Parama Island Node along E.M BYPASS

PROJECT FOCUS



TOWARDS EQUITABLE URBANISM

Design Vision

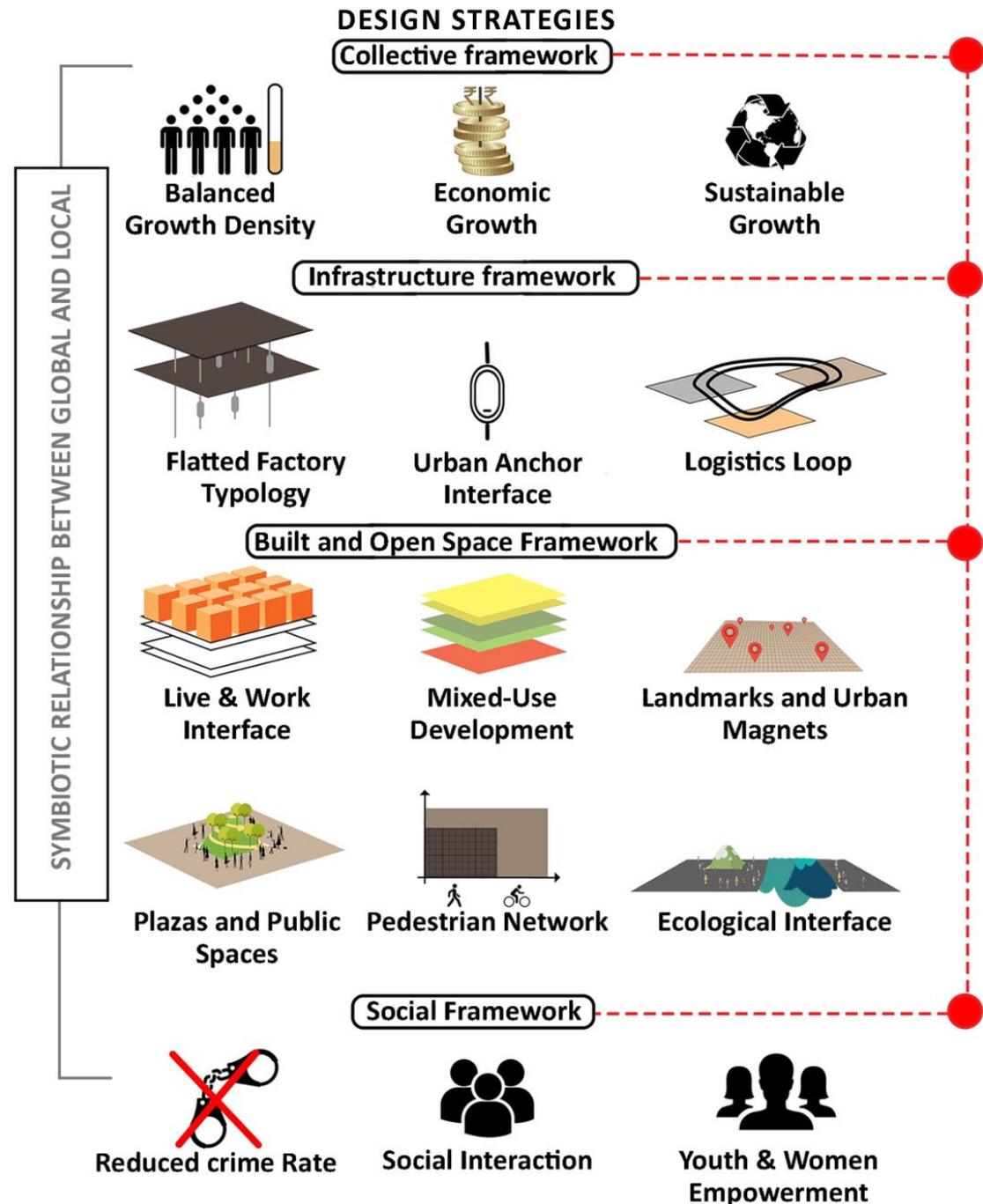
The design tends to create a network of interconnected systems within the urban fabric that would foster a holistic development model for Equitable growth for Locals and as well as for the Globals thus creating a brand value for the development framework.

Design Aim

1. To create a **symbiotic relationship** between the emerging and the local knowledge.
2. Creating **Integrated sustainable working clusters** which can cater to both the local revolving economy and the global forces as a model for development
3. **Knowledge Interface for the locals**, an interface which would help in the capacity building for the locals
4. **Integrated networks within the city fabric** which would facilitate the movement and circulation of products.

Design Strategies

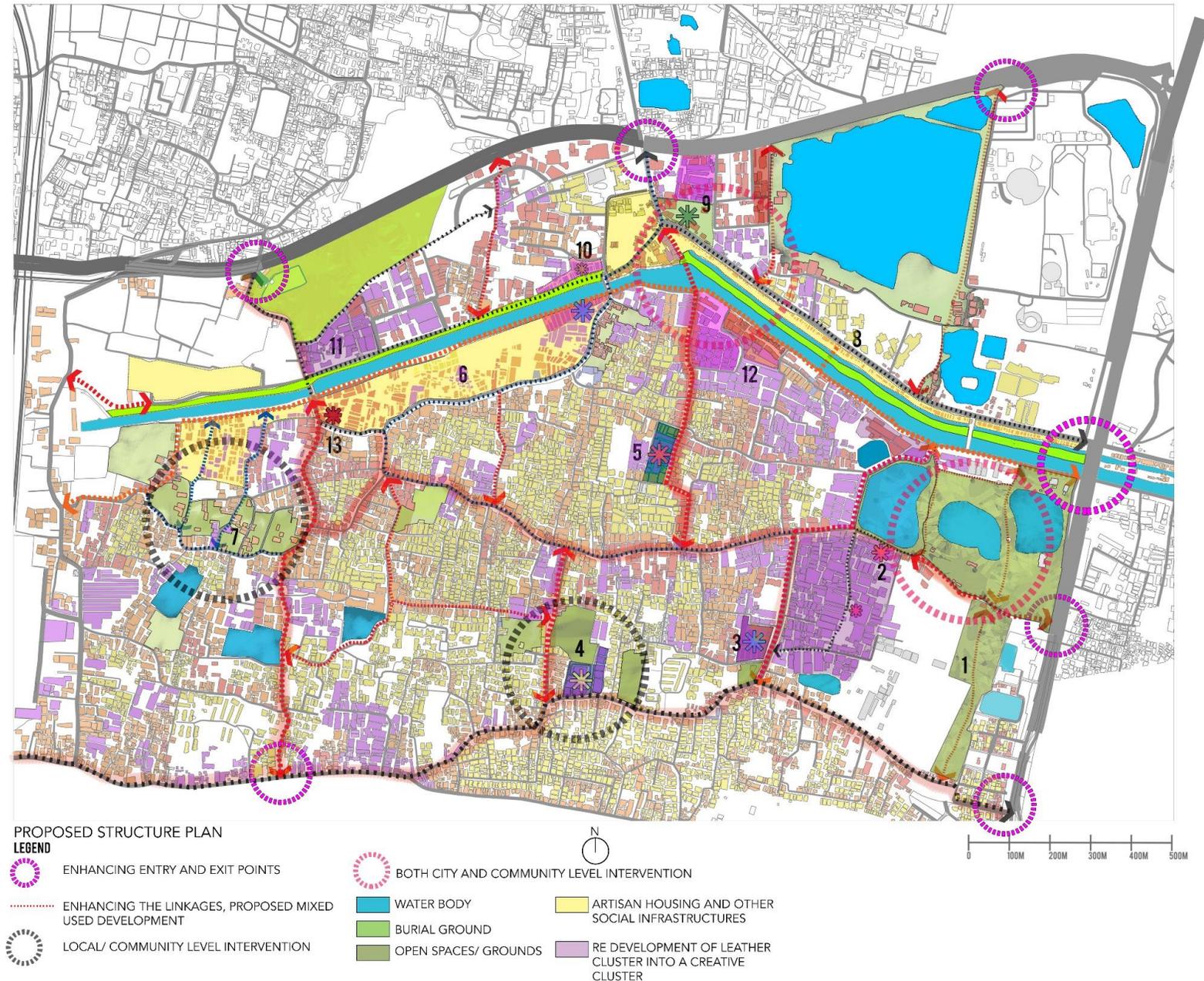
1. Addressing the **morphological change due to change in economic pattern and emergent of new class.**
2. Reinstating the **collective identity** within the divergent systems so as to foster inclusivity with in the manufacturing district.
3. Enhancing the **WORK-LIVE-PLAY** by creating a sustainable creative Cluster development model.
4. Enhancing and revitalizing the **Ecological assets** of the area.



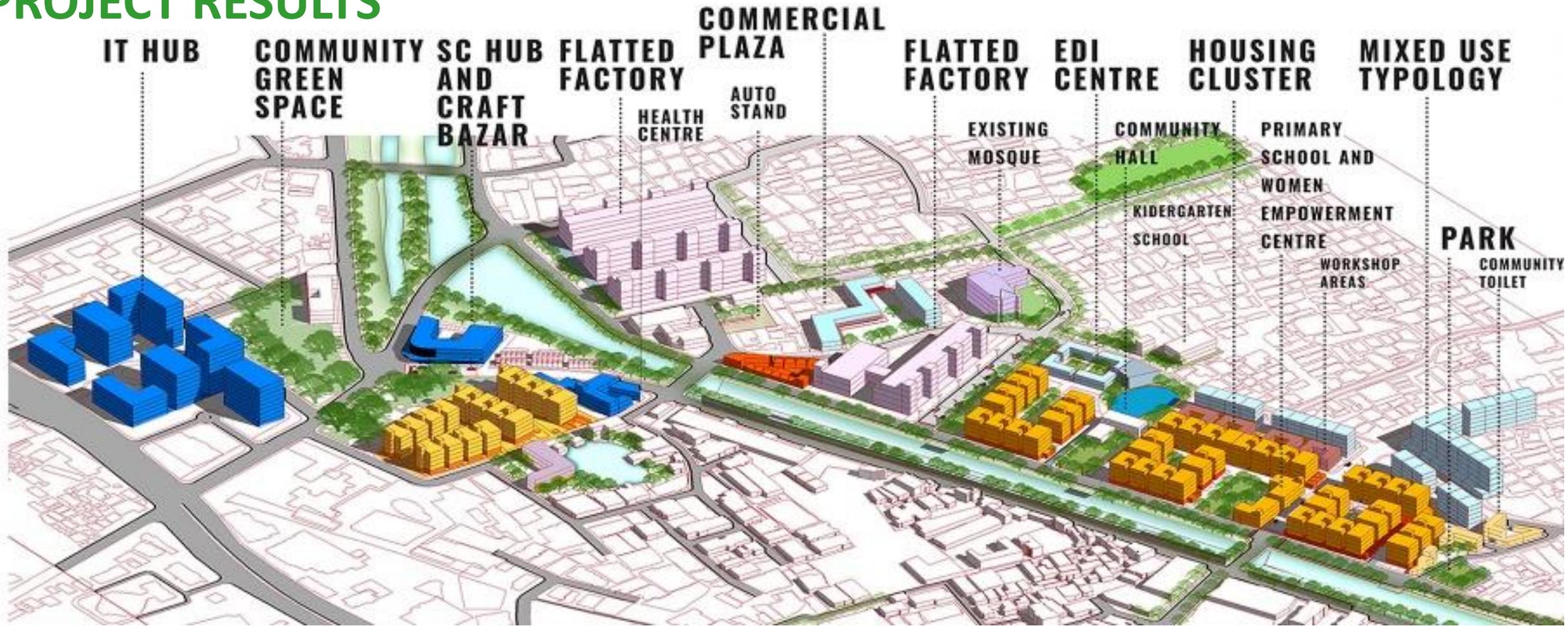
PROJECT RESULTS

Design Moves

- 1- Connecting the **underutilized open spaces** through pedestrian access
- 2- **Craft bazar** as a key component of the creative cluster, redevelopment of the rubber and shoe production cluster
- 5- Proposed **MSME development centre** for the leather cluster
- 6- **Housing and work centre** for the artisans and workers
- 7- Enhancing their **live and work relationship** within the Thika tenancy land and the slum pockets.
- 8- Enhancing the **green spaces** and connecting the green spaces to the canal front thus improving the drainage in the area
- 9- **Canal front development** as a vibrant public.
- 11- **Adaptive reuse** of defunct industrial plots into ideation and R&D center for the leather and metal work clusters



PROJECT RESULTS



Work- Live Creative Cluster



Section along the Proposed WORK- LIVE Creative cluster

PROJECT RESULTS

1. This **sustainable creative cluster development model** envisioned in accordance with the existing site context. This will allow the community to continue their economic activities as well as empower them to dream for bigger goals. The development framework will allow them to expand and thrive.
2. The designed model will allow communities, involved in economic activities in terms of small and medium scale creative industries like leather products, shoe making, printing etc. This will also allow them to form groups or cooperatives; the new propose building typologies allows this scope of operations.
3. The **work-Live-Play typology** of housing would also ensure capacity building for women and younger generations.



Flatted Factory Cluster



SC Hub and Craft Bazar

FUTURE DEVELOPMENT

1. The proposed new neighborhood concept based on a **system of social institutions** forming a **new spine** of the urban system would enable social cohesion.
2. Activating the existing SWD canal and **creating recreational spaces** for the communities, thus making the canal front as a part of the larger **BLUE- GREEN** network.
3. Providing bio-swales along the canal would help reduce issues of water logging and active public parks along the canal would encourage people and kids to engage in active recreation and leisure.
4. Thus this model would help to create an Equitable model for development which can be a prototype model for the future development.



Redevelopment of Defunct Plots



Redevelopment of Defunct Plots