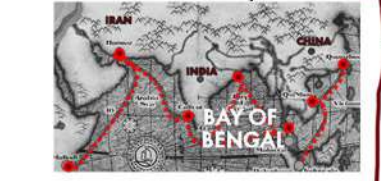


SITE LOCATION



9th Century BC
Chattogram functioned as an important **MARITIME PORT** along the Silk Route, where Arab traders and other merchants established early trade links.



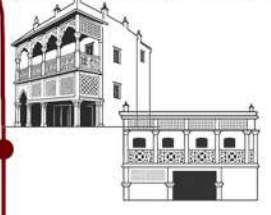
1338 - Sultanate Period
Chittagong enters Sultanate rule under Fakhruddin Mubarak Shah; Islam spreads with arrival of Aulia Badr Shah and establishment of his mazar in Chaktai area.



1666 - Mughal Period (Islamic Architecture)
Shaista Khan restores Mughal control; Islamic architecture flourishes with domes, floral motifs, geometric patterns, and marble ornamentation in this area.



1760 - Colonial Period
British rule introduces Indo-Saracenic architecture blending local forms with symmetry, arches, columns, and porticos.



1863 - Municipal Formation
Chittagong Municipality is established, beginning structured urban governance.



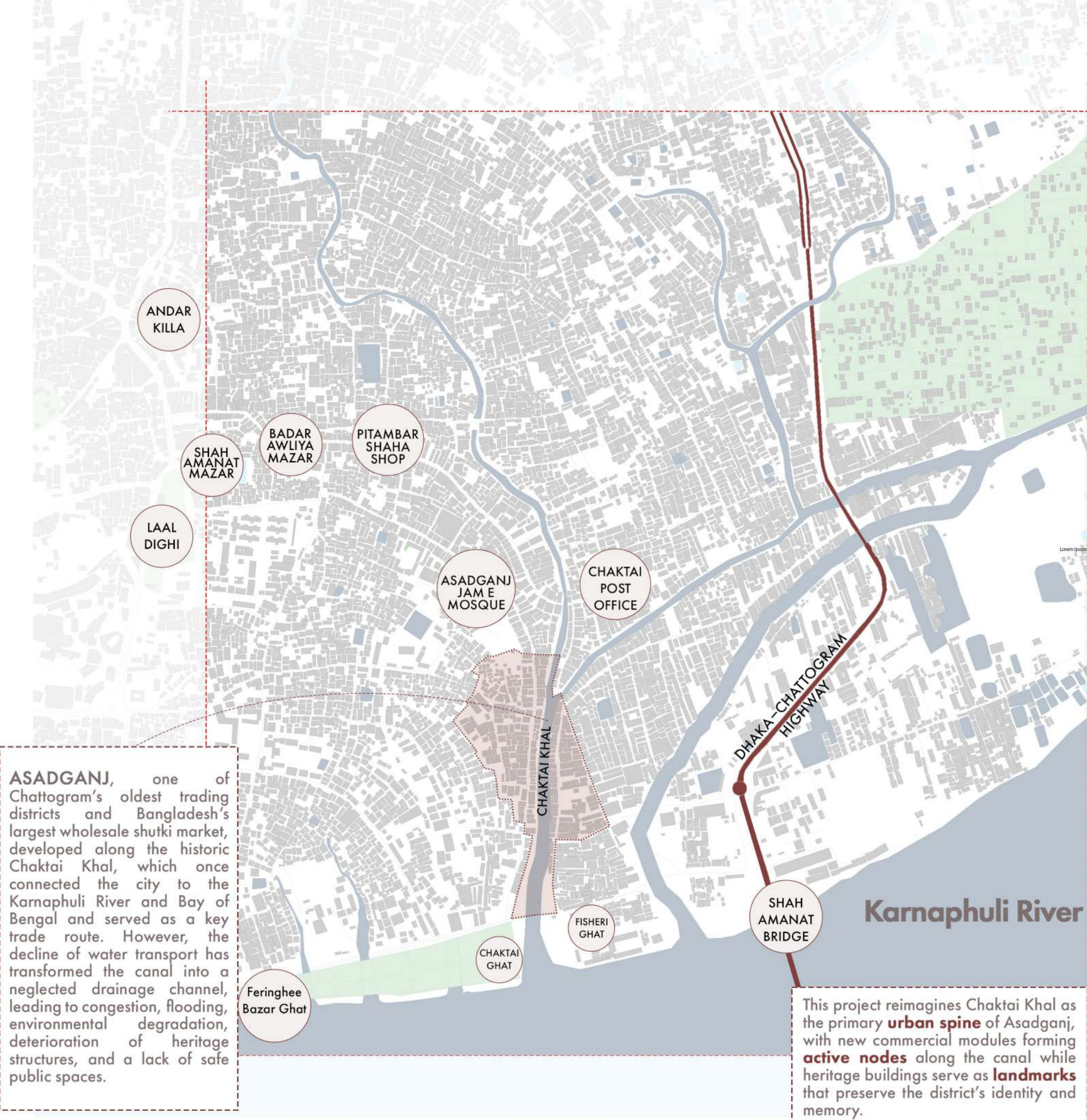
1947 - Post-Colonial Transition
End of British rule brings emergence of national identity and transitional urban growth.



21st Century
Rapid urbanization, vertical growth, and glass-façade commercial development dominate the cityscape.



ASADGANJ, one of Chattogram's oldest trading districts and Bangladesh's largest wholesale shutki market, developed along the historic Chaktai Khal, which once connected the city to the Karnaphuli River and Bay of Bengal and served as a key trade route. However, the decline of water transport has transformed the canal into a neglected drainage channel, leading to congestion, flooding, environmental degradation, deterioration of heritage structures, and a lack of safe public spaces.



BADAR AWLIYA MAZAR (SULTANATE PERIOD)



ANDAR KILLA (MUGHAL PERIOD)



SHAH AMANAT MAZAR (MUGHAL PERIOD)



LAAL DIGHI (BRITISH COLONIAL)



PITAMBAR SHAHA SHOP (BRITISH COLONIAL)



POST OFFICE (BRITISH COLONIAL)



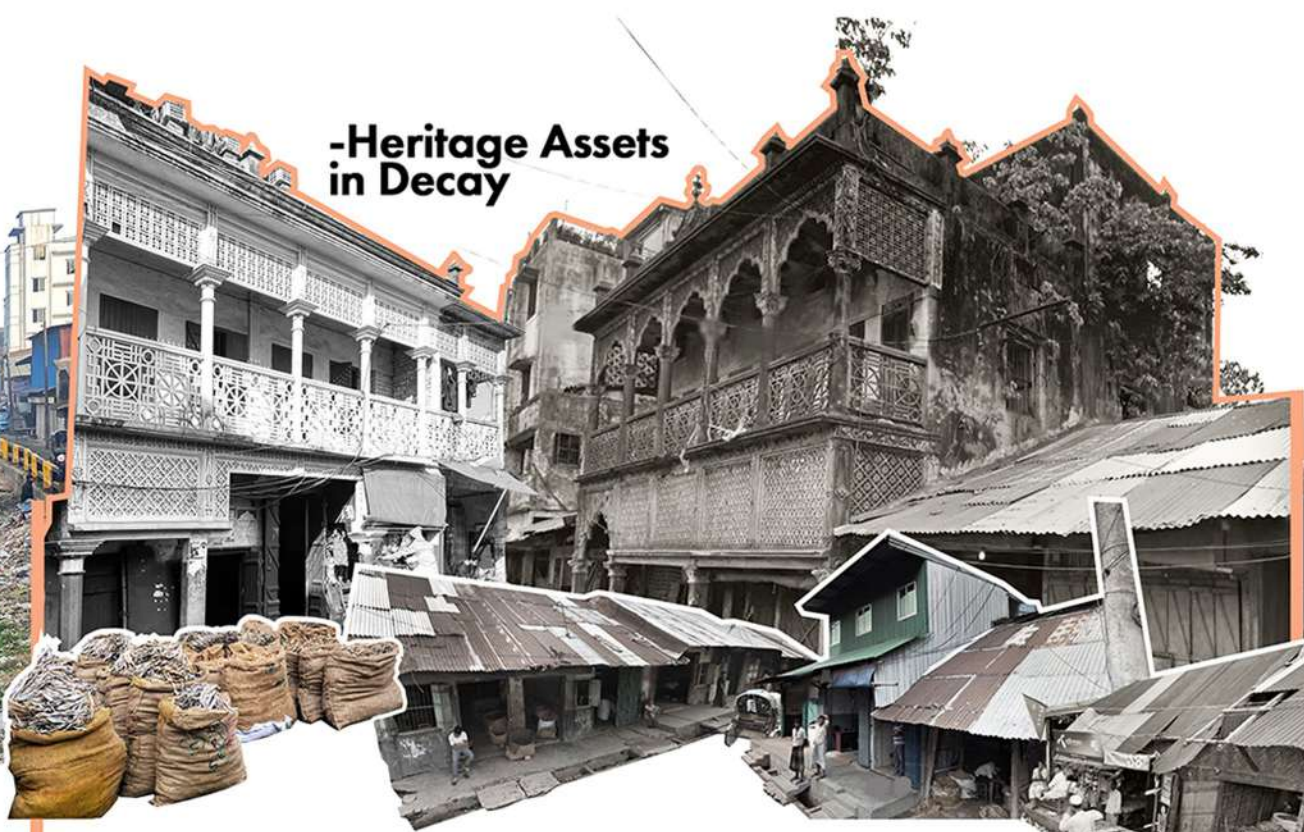
ASADGANJ MOSQUE (PAKISTAN PERIOD)

This project reimagines Chaktai Khal as the primary **urban spine** of Asadganj, with new commercial modules forming **active nodes** along the canal while heritage buildings serve as **landmarks** that preserve the district's identity and memory.

**-Informal Structures
Severing Bazaar &
Waterfront Interface**



**-Heritage Assets
in Decay**



-Canal Encroachment



**-Public Realm
Squeezed Out**



**-Abrupt Commercial
Growth**

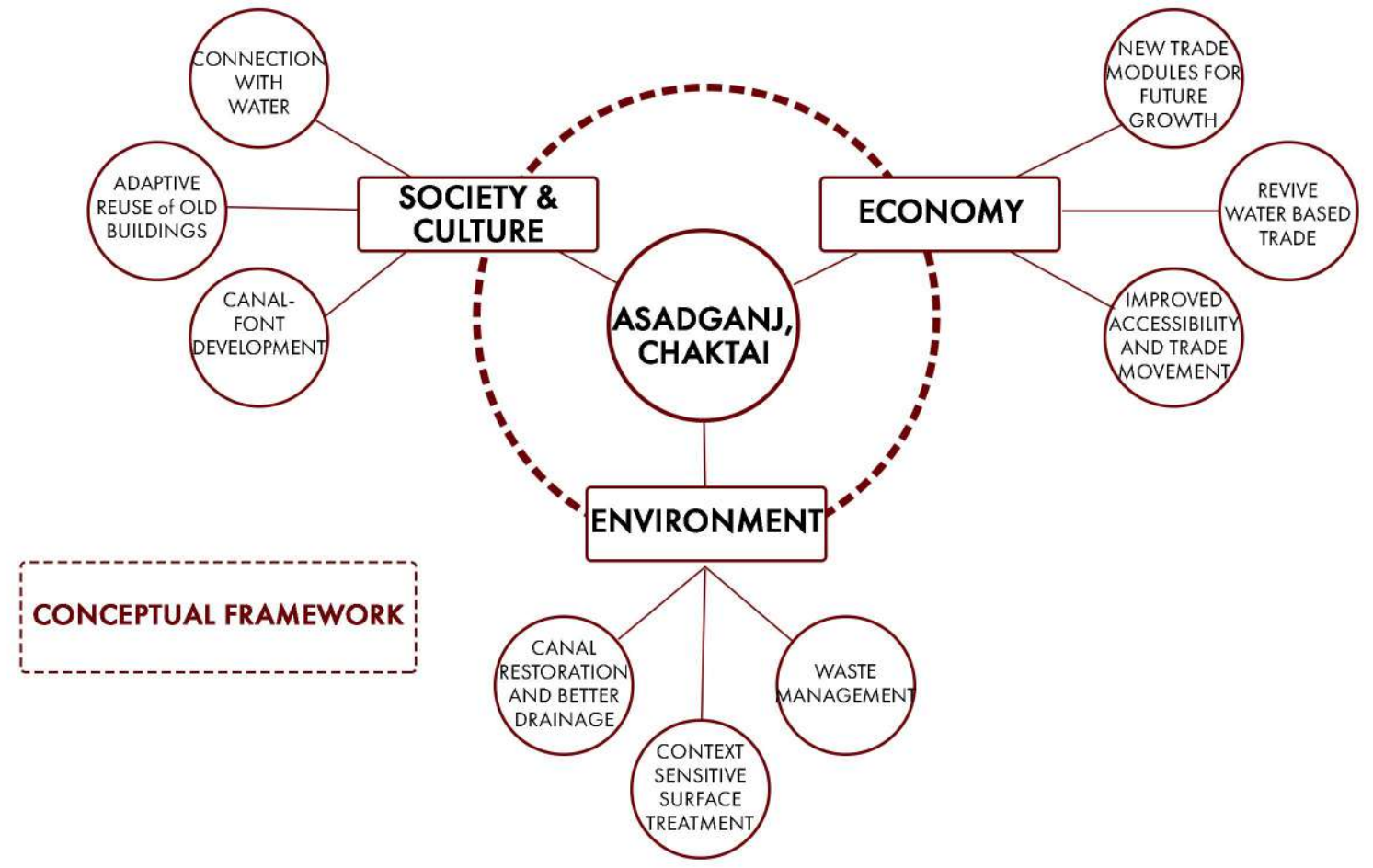
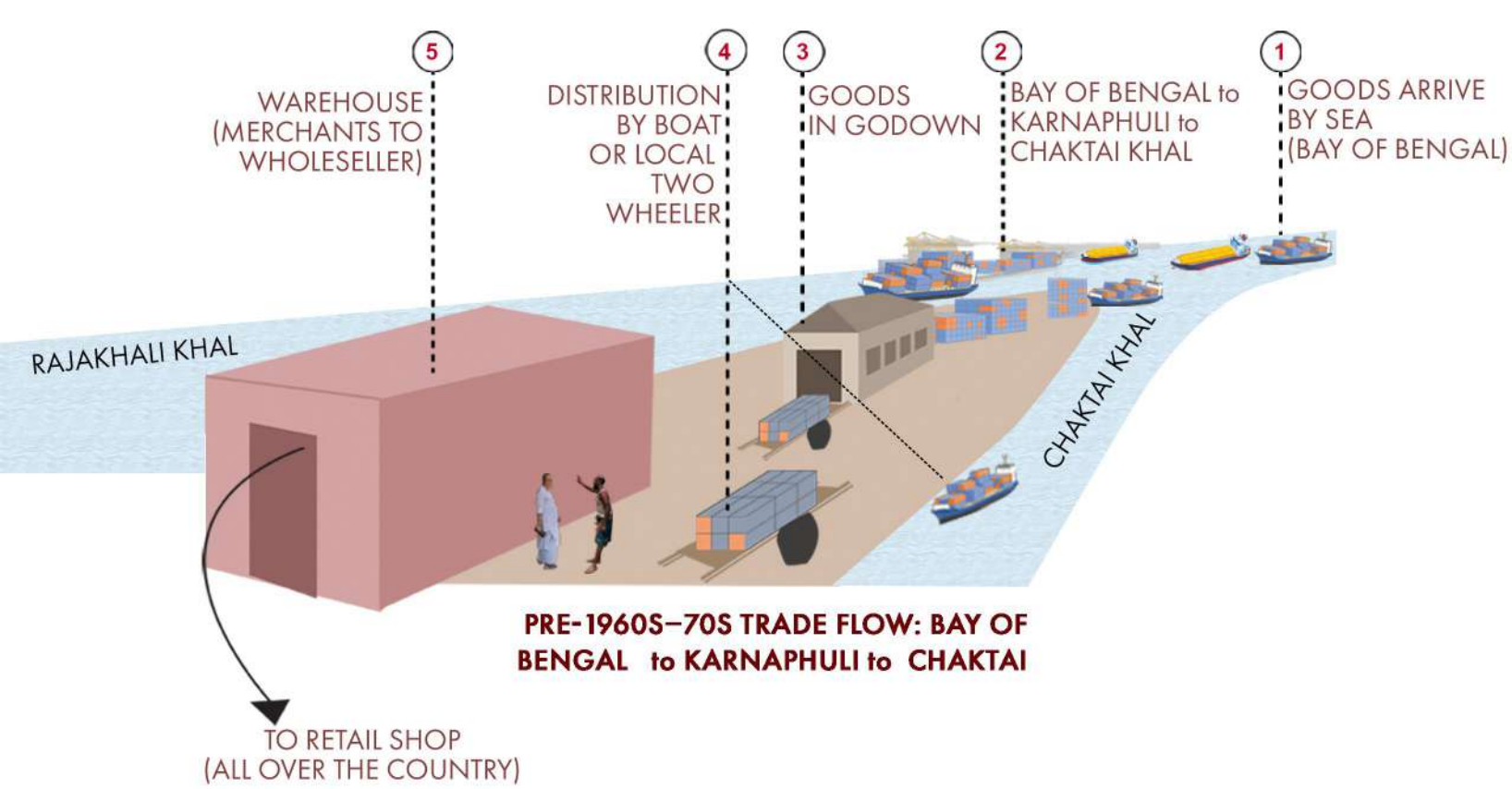


**-Canal Reduced to
Drainage Channel**

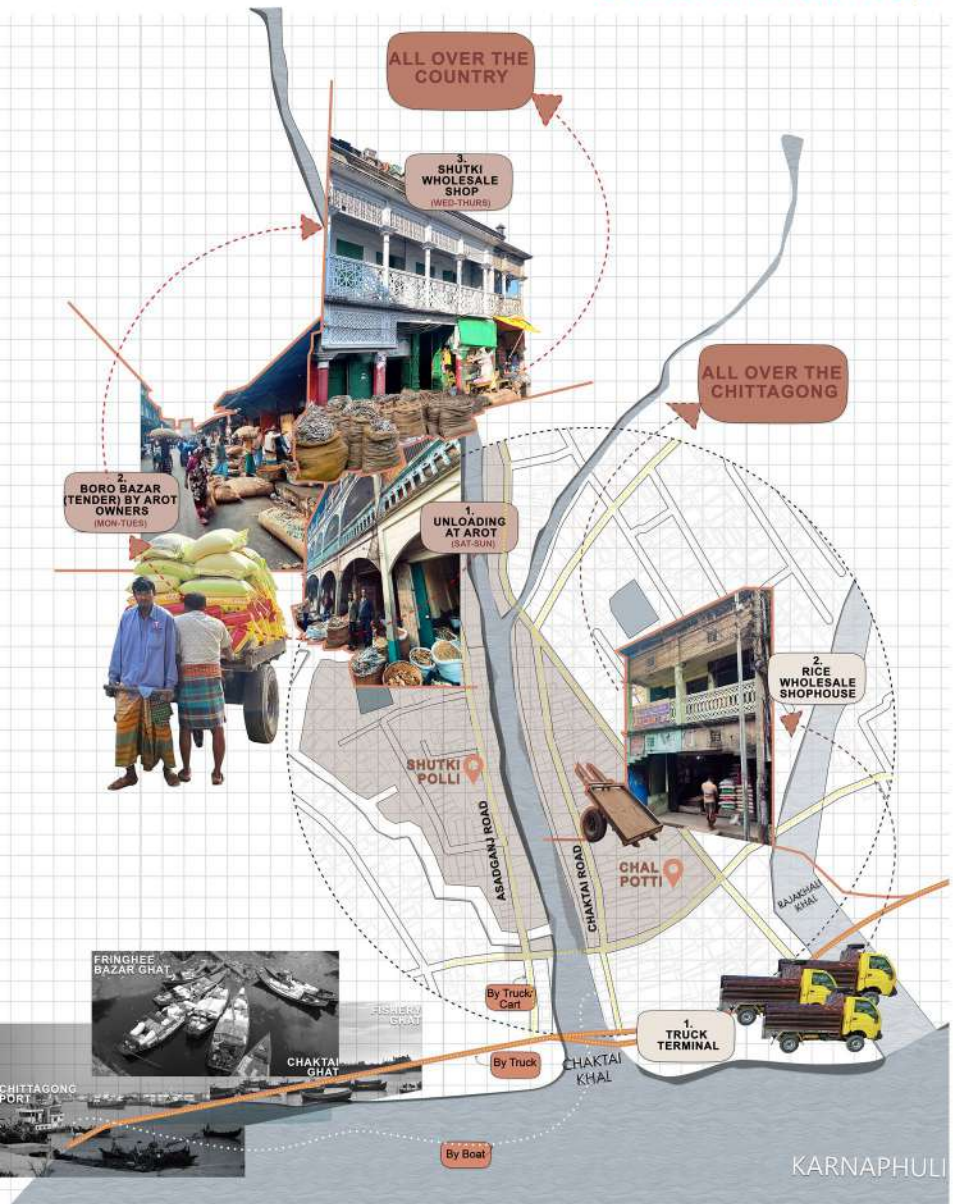


**-Fragmented Loading &
Unloading Practices**





CURRENT TRADE FLOW



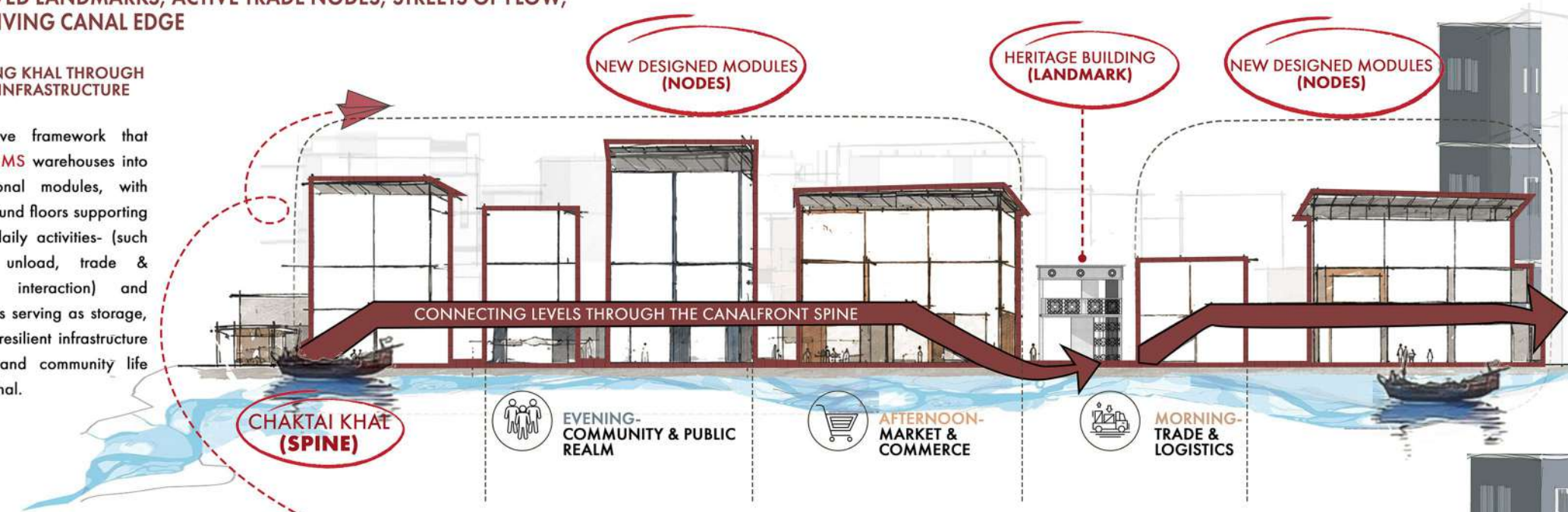
FROM WAREHOUSES OF RISK, STREETS OF CONGESTION, KHAL IN NEGLECT TO REVIVED LANDMARKS, ACTIVE TRADE NODES, STREETS OF FLOW, AND A LIVING CANAL EDGE

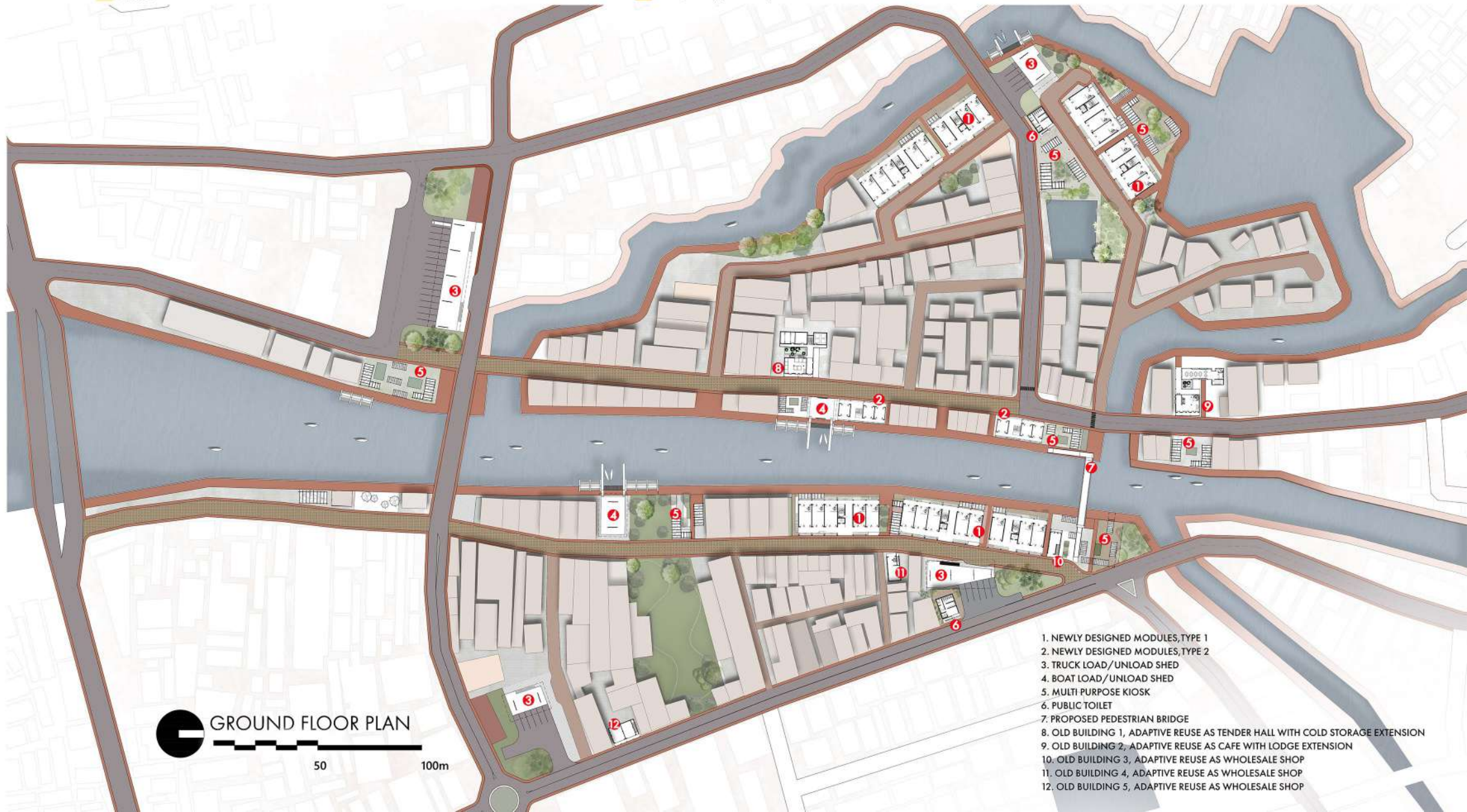
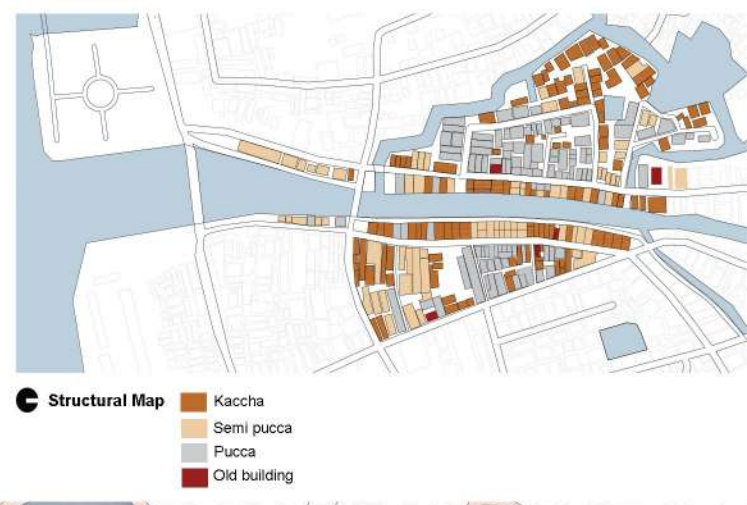
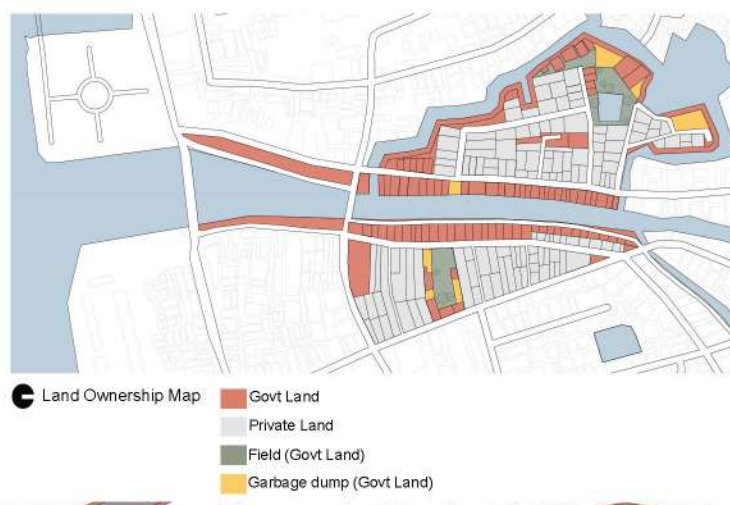
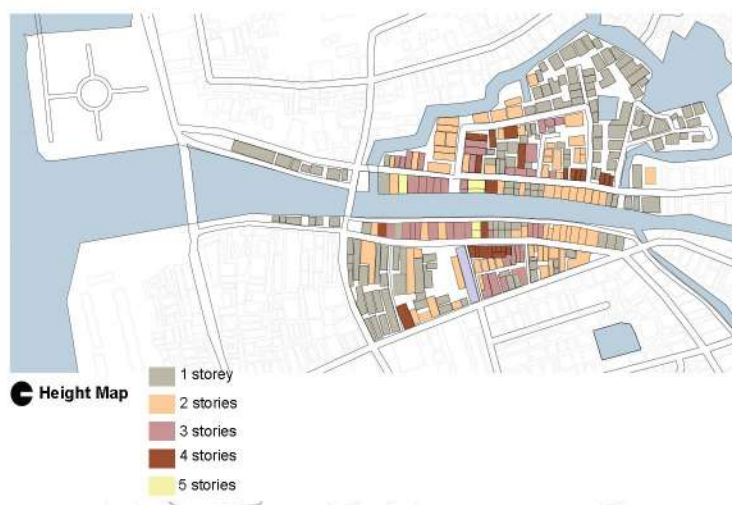
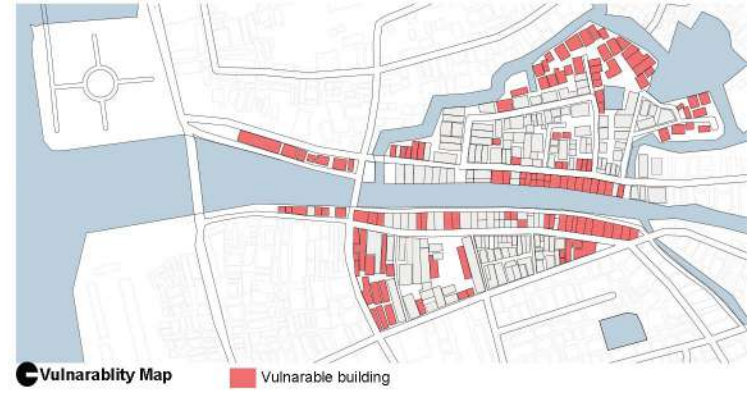
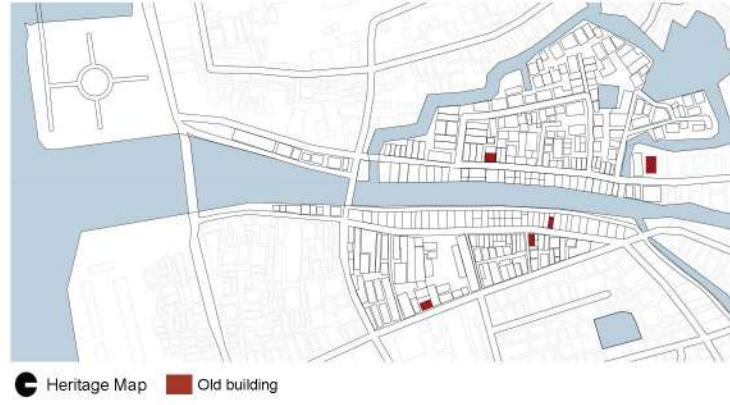
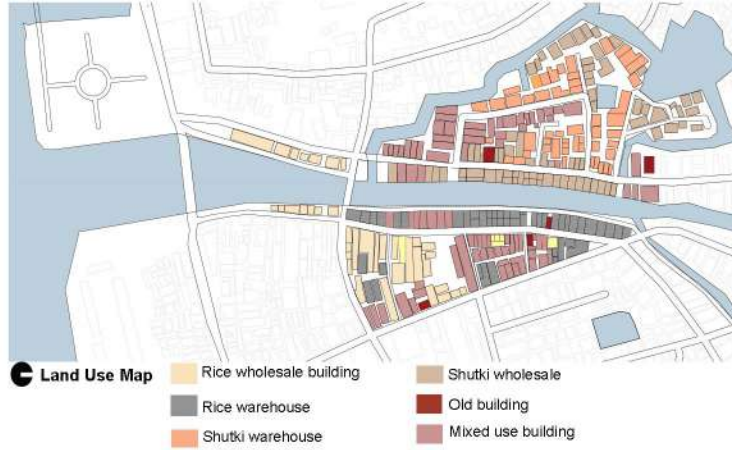
RECLAIMING KHAL THROUGH ADAPTIVE INFRASTRUCTURE

An adaptive framework that **TRANSFORMS** warehouses into multi-functional modules, with flexible ground floors supporting changing daily activities- (such as load unload, trade & community interaction) and upper levels serving as storage, creating a resilient infrastructure for trade and community life along the khal.

“**The Chaktai Khal** - once a lifeline, has been reduced to a backyard drain, blocked by encroachments and informal sheds.

This project reimagines it as a living infrastructure that restores flow, dignity, and opportunity.





1. NEWLY DESIGNED MODULES, TYPE 1
2. NEWLY DESIGNED MODULES, TYPE 2
3. TRUCK LOAD/UNLOAD SHED
4. BOAT LOAD/UNLOAD SHED
5. MULTI PURPOSE KIOSK
6. PUBLIC TOILET
7. PROPOSED PEDESTRIAN BRIDGE
8. OLD BUILDING 1, ADAPTIVE REUSE AS TENDER HALL WITH COLD STORAGE EXTENSION
9. OLD BUILDING 2, ADAPTIVE REUSE AS CAFE WITH LODGE EXTENSION
10. OLD BUILDING 3, ADAPTIVE REUSE AS WHOLESALE SHOP
11. OLD BUILDING 4, ADAPTIVE REUSE AS WHOLESALE SHOP
12. OLD BUILDING 5, ADAPTIVE REUSE AS WHOLESALE SHOP

INTEGRATED TRADE AND WATERFRONT NETWORK

Adaptable Vendor Units (For vendors, mela/fair and seasonal needs.)



Old Building 2 Lodge & Cafe for traders



Proposed Footover Bridge



Old Building 3 Wholesale shop



Every Sunday, Asadganj once hosted **Boro Bazar**, a lively street market that faded due to space scarcity. **Adaptable vendor modules** revive it, expanding on Sundays to bring back its rhythm of trade, community, and memory along the khal.

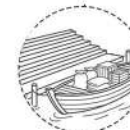
Newly Designed Modules - For Flexible Commerce & Storage Purpose



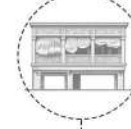
Old Building 4 Local Cafe



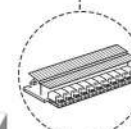
Ghat & Boat Load/Unload Shed, Proposed spine to revive waterborne trade circulation.



Old Building 5 Wholesale shop



Truck Load/Unload Shed - Designated bay to reduce street congestion .



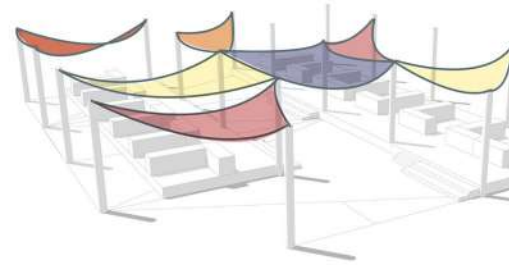
Adaptable Vendor Units (For vendors, mela/fair and seasonal needs.)



Continuous Promenade Along The Khal



Old Building 1 Tender Hall & Cold Storage for Shutki

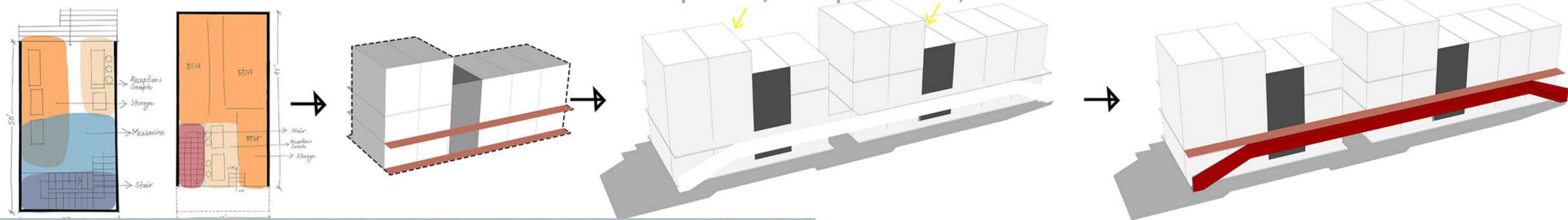


Adaptable vendor modules for **BORO BAZAR**



The **LOAD/UNLOAD SHED** acts as a transitional edge between water and land, organizing the movement of goods between boat, truck, and market.

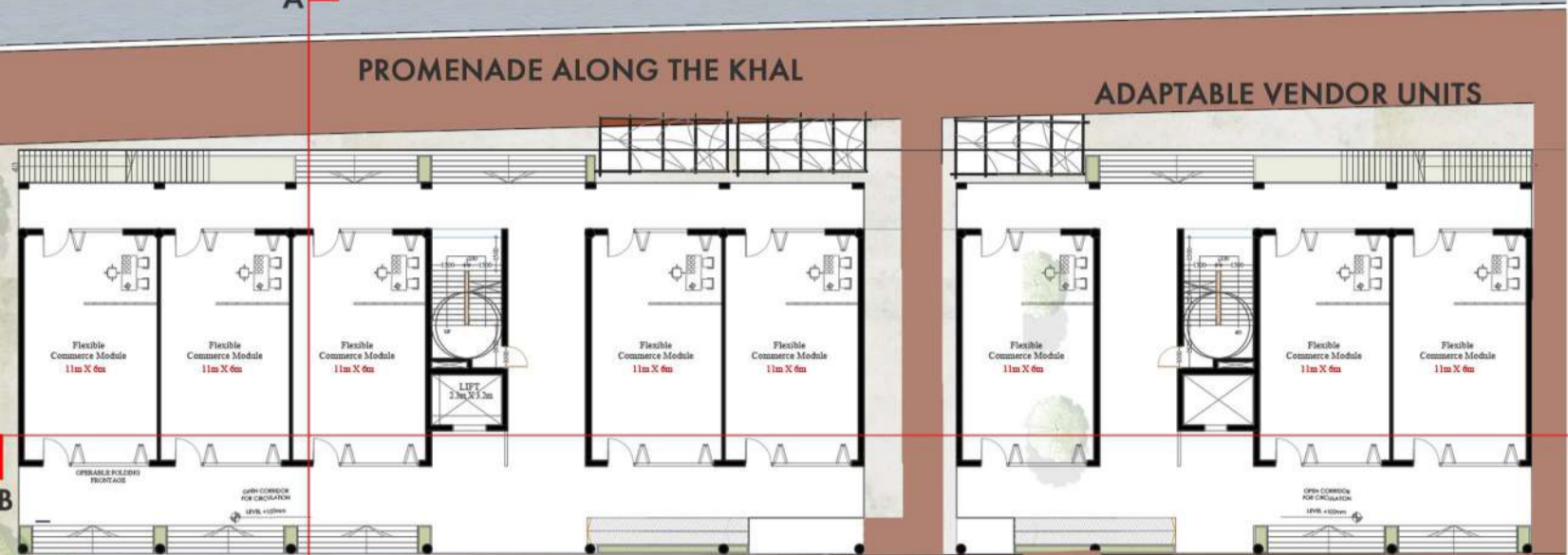
MODULE GENERATION



CHAKTAI KHAL

MODULE TYPE 1

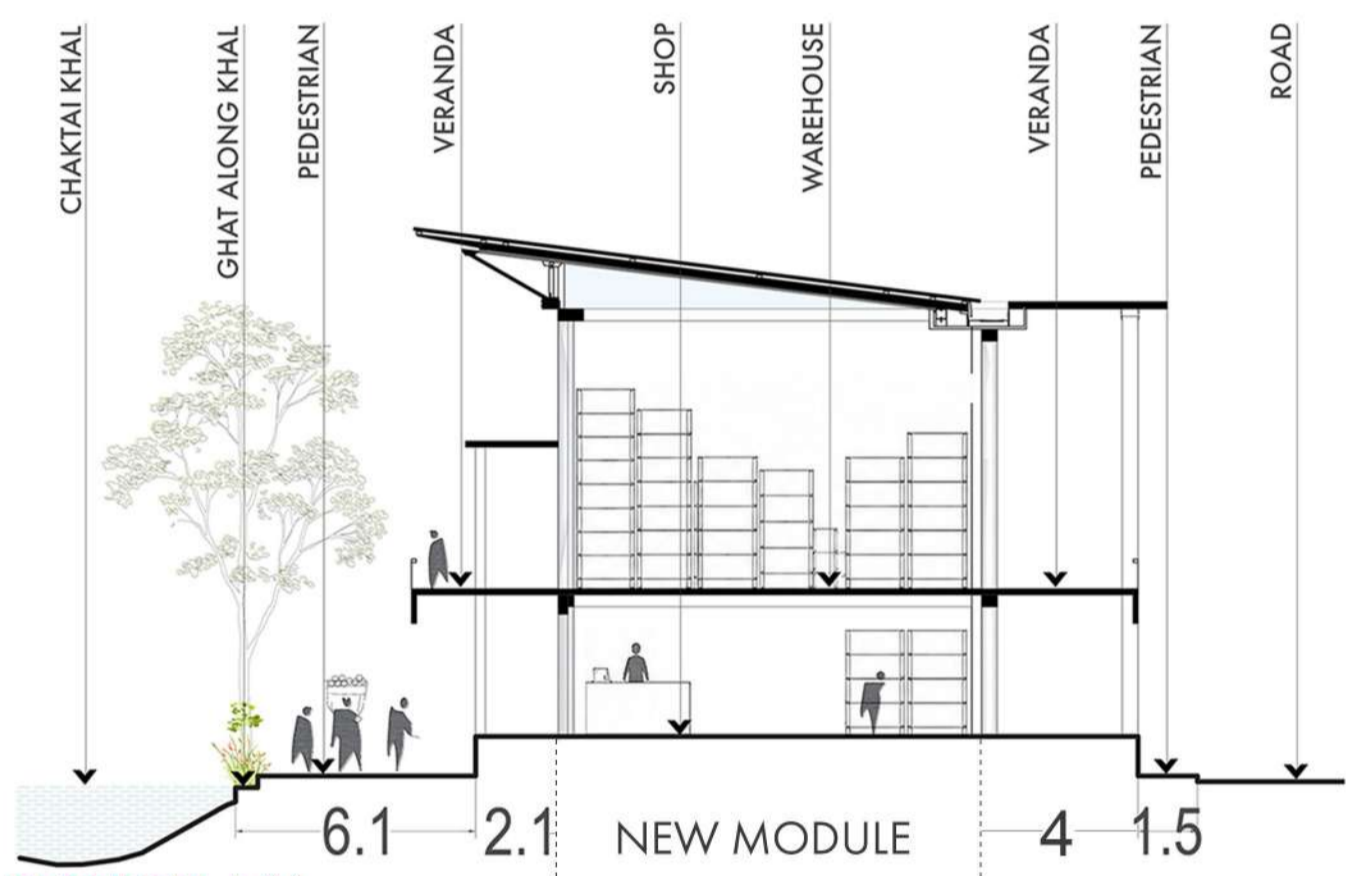
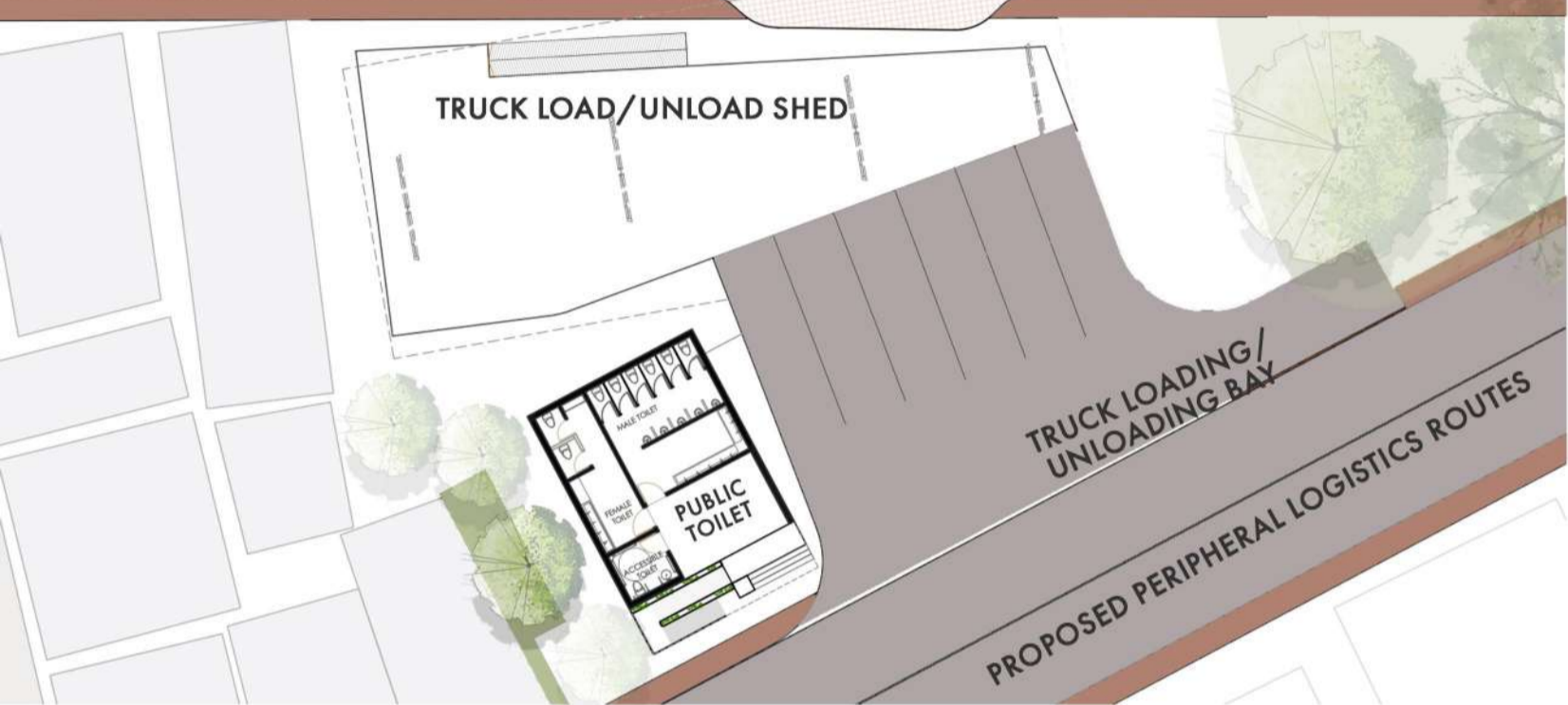
MODULE TYPE 2



GROUND FLOOR PLAN OF NEWLY DESIGNED MODULE, TYPE 2

0 1 2 3 4 5 10m

CHAKTAI ROAD (TRUCK ACCESS RESTRICTED, PEDESTRIAN AND SLOW MOVING VEHICLE FRIENDLY)

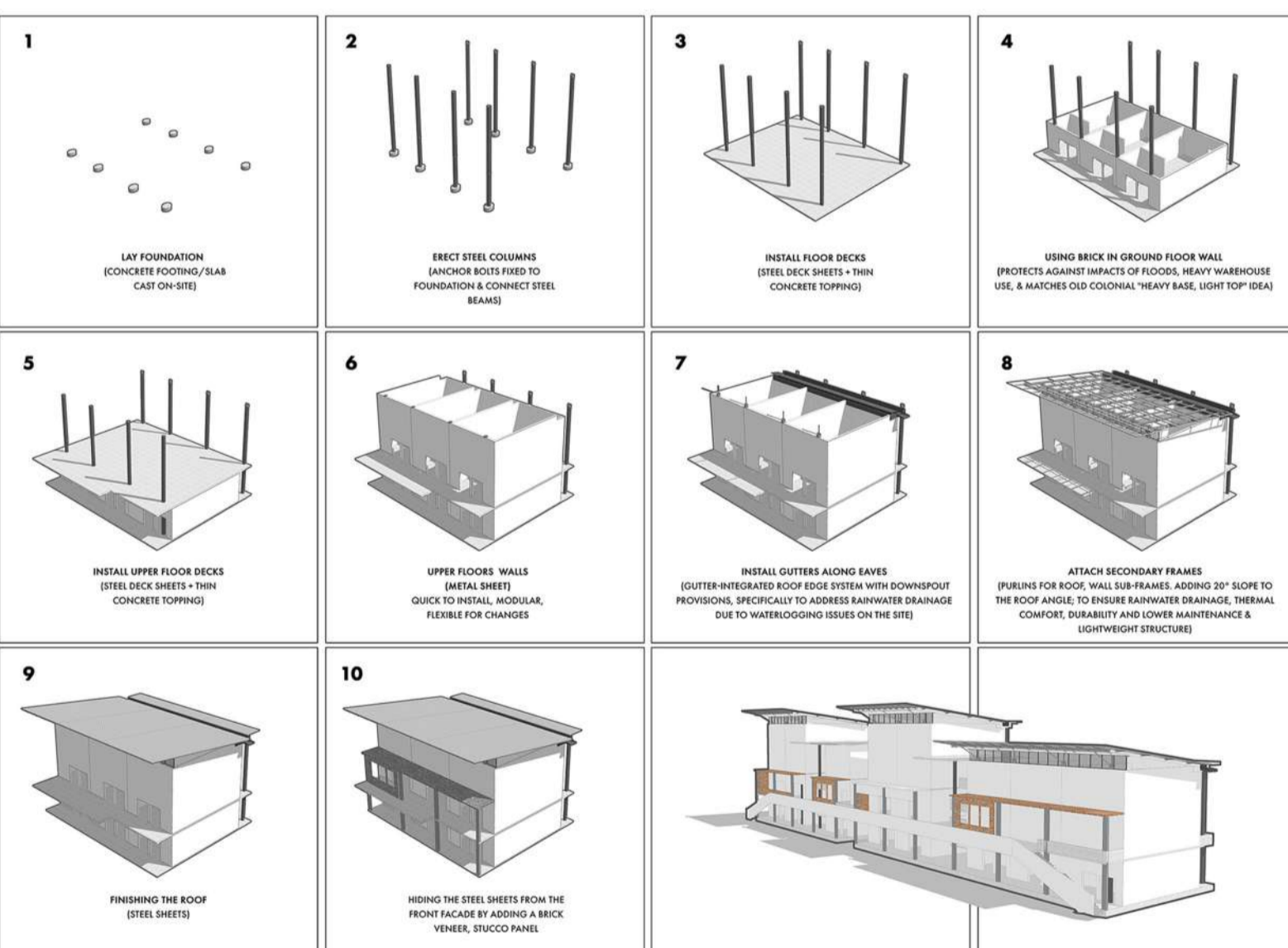


SECTION AA'

0 1 2 3 4 5 10m

GROUND FLOOR PLAN OF NEWLY DESIGNED MODULE, TYPE 1

0 1 2 3 4 5 10m



DESIGN MANUAL FOR MODULES

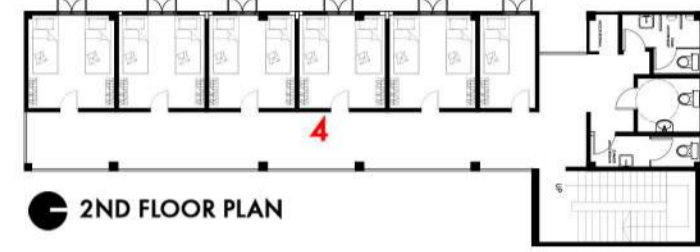
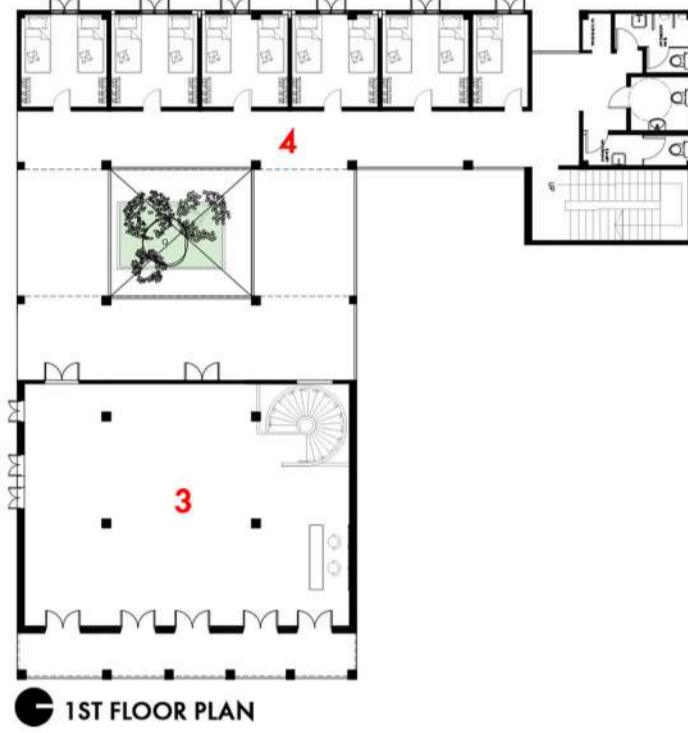
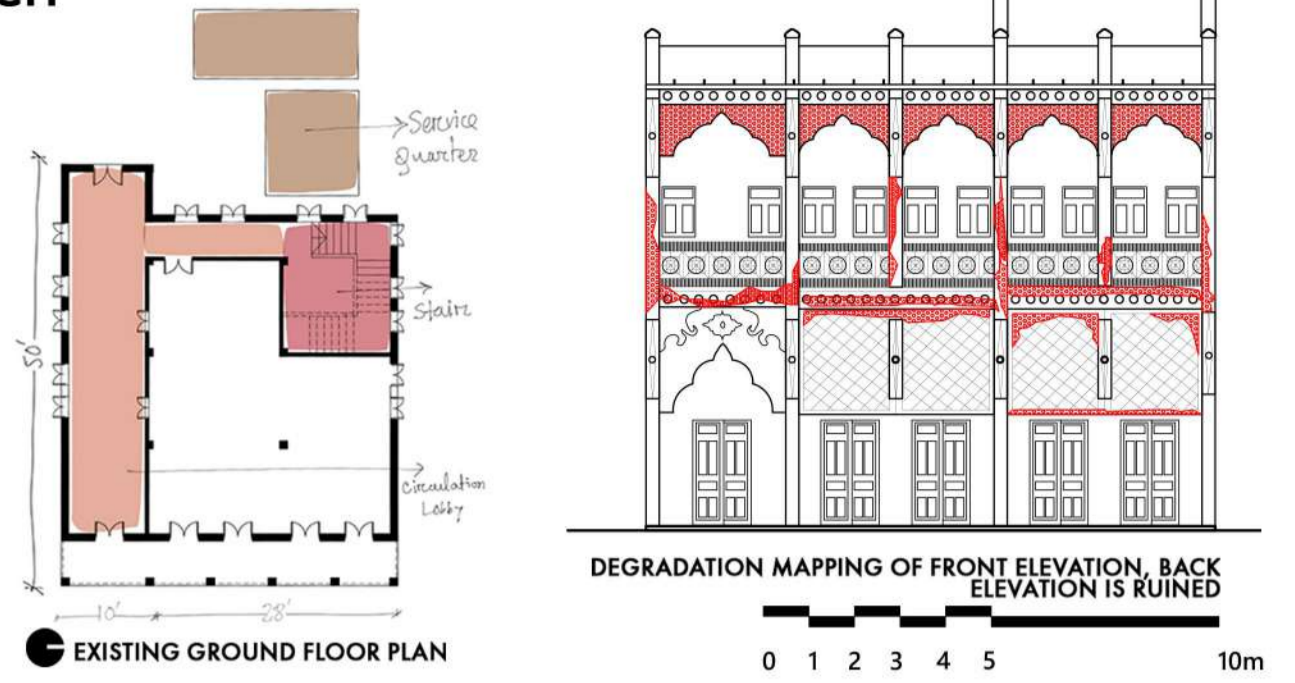
The modules utilize a hybrid steel-and-brick construction system. Lightweight steel framing for rapid construction, future expansion, and flexible internal layouts, with brick-clad ground floors provide durability against flooding and intensive commercial use. Shaded frontages, sloped roofs, and integrated drainage systems reinterpret the architectural character of Asadganj's historic shophouses.



ADAPTIVE REUSE OF OLD BUILDING WITH RESTORATIVE APPROACH

BUILDING 2- LODGE BUILDING TIMELINE: 1940

Previous Use: Traditional shophouse, the ground floor served commercial purposes, while the upper floor functioned as the residence of the Swadagar (merchant).
Current Use: Abandoned.

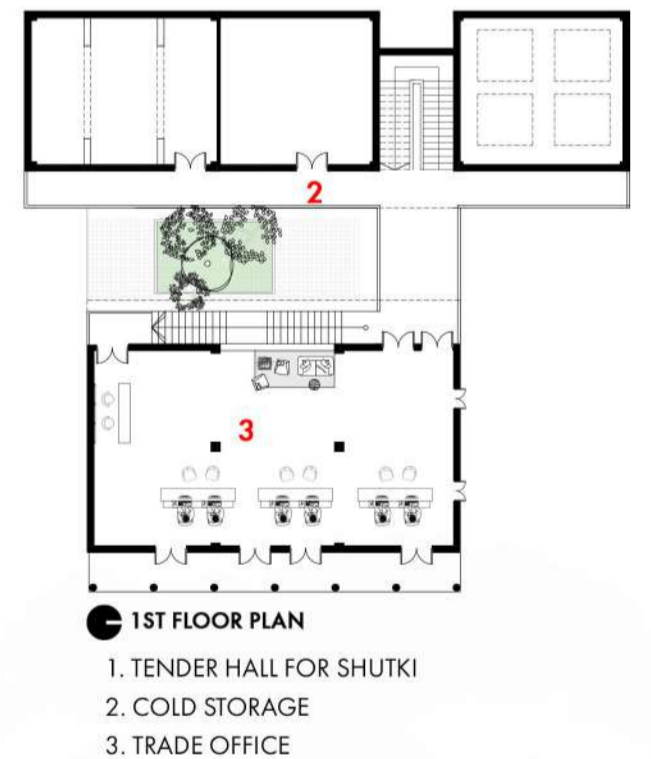
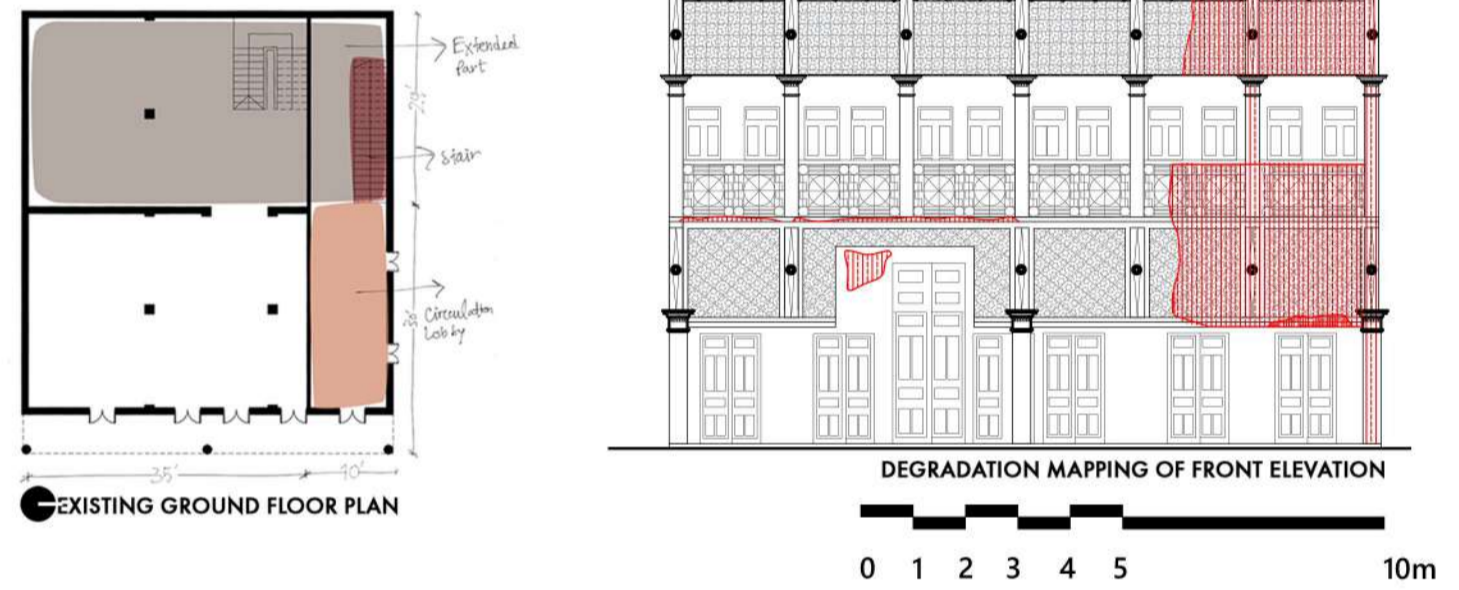


1. ADMIN
2. LOCAL CAFE
3. LODGE OFFICE
4. LODGE
5. CONNECTION WITH THE REVIVED PART OF CHAKTAI KHAL

BUILDING 1- TENDER HALL & TRADE OFFICE BUILDING TIMELINE: 1943

Previous Use: Traditional shophouse — the ground floor served commercial purposes, while the upper floor functioned as the residence of the Swadagar (merchant).

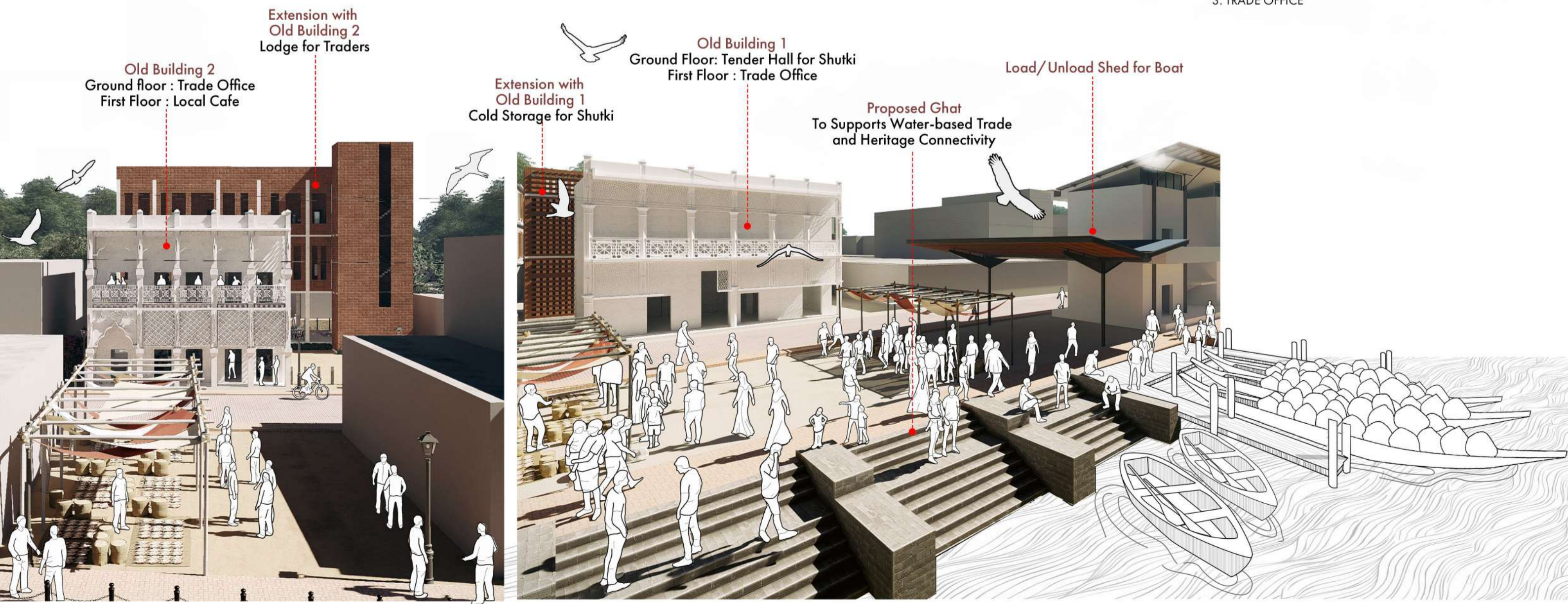
Current Use: The ground floor continues to operate as a shop, whereas the upper floor remains abandoned.



1. TENDER HALL FOR SHUTKI
2. COLD STORAGE
3. TRADE OFFICE

DEGRADATION MAPPING FACTORS

Material	Degradation	Cause	Remedy
Plaster	Absence	-Anthropic Conditions -Lack of maintenance -Additional vibration of external forces -Unequal expansion in the material due to temperature variation	- New plaster following the original technique - Reconstruction
Plaster	Presence of Vegetation	-Lack of maintenance -Biological degradation, Bio colonization due to favorable temperature, rainfall, humidity, salinity etc	-Active cleaning may be done with hot water, water vapor, blusting with adhesive mixture. -Some cases biological cleaning may required
Plaster	Patina Biology	-Lack of maintenance -Biological degradation, Bio colonization due to favorable temperature, rainfall, humidity, salinity etc	-Active cleaning may be done with hot water, water vapor, blusting with adhesive mixture. -Some cases biological cleaning may required
Plaster	Fracture or Slot	-Anthropic Conditions -Lack of maintenance -Additional vibration of external forces -Fracture causes due to Unequal expansion in the material	-In case the crack that doesn't reach at the core of the elements lime treatment may be useful for consolidation and protection. -Sometimes it may useful to remove the damage part and identical replacement of new material.



TRUCK
LOAD/UNLOAD SHED
FOR CHAL POTTI

PEDESTRIAN & SLOW MOVING
VEHICLE FRIENDLY CHAKTAI ROAD

NEWLY DESIGNED
MODULE
(CHAL POTTI)

BOAT LOAD/UNLOAD
GHAT & SHED

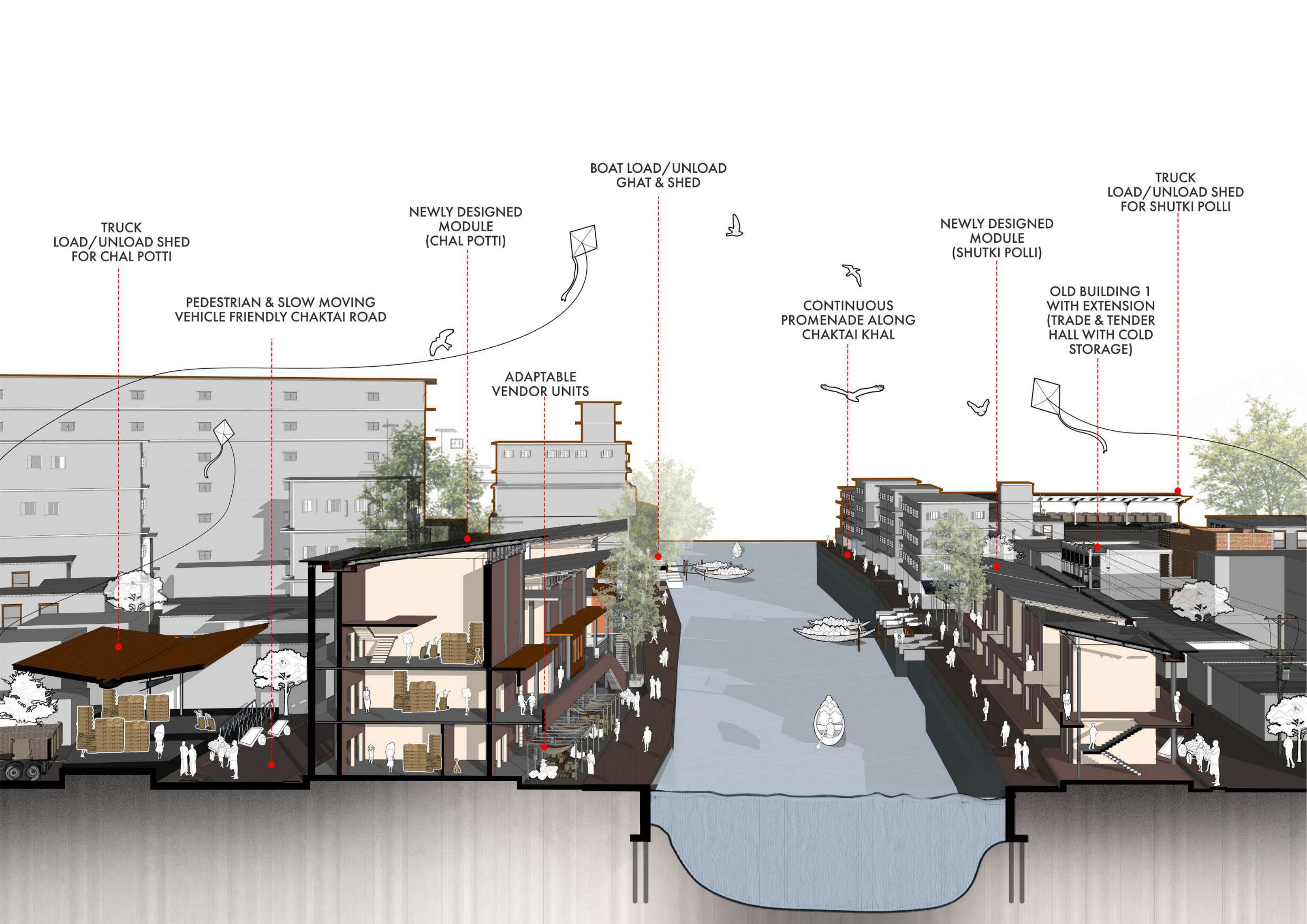
ADAPTABLE
VENDOR UNITS

CONTINUOUS
PROMENADE ALONG
CHAKTAI KHAL

NEWLY DESIGNED
MODULE
(SHUTKI POLLI)

TRUCK
LOAD/UNLOAD SHED
FOR SHUTKI POLLI

OLD BUILDING 1
WITH EXTENSION
(TRADE & TENDER
HALL WITH COLD
STORAGE)



EVENING - COMMUNITY & PUBLIC REALM

By dusk, retail slows and shutters open. The busy ground floor shifts into a relaxed public space. Tea stalls, benches, and small gatherings appear, and heritage facades become a calm backdrop.

AFTERNOON-MARKET & COMMERCE

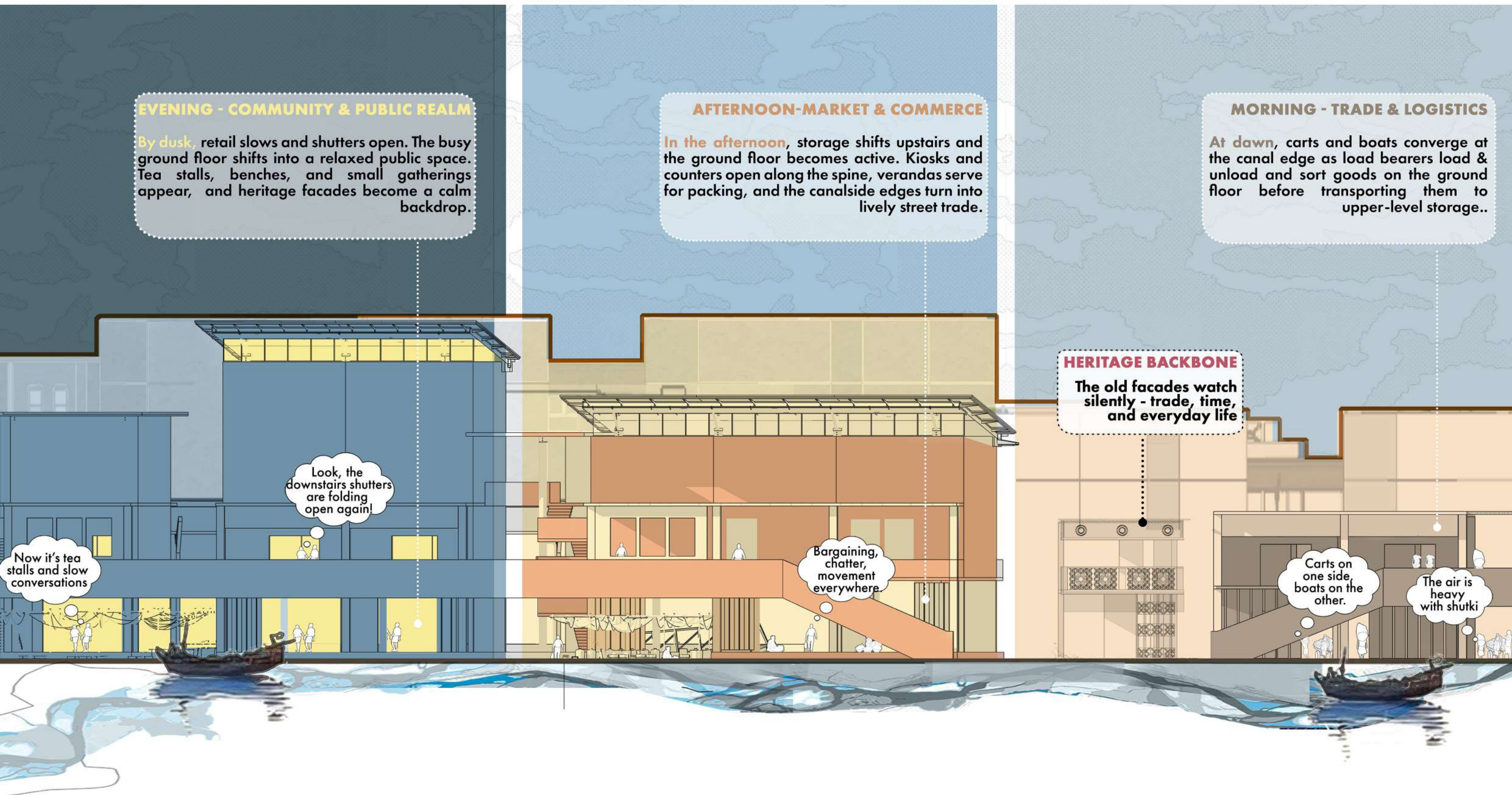
In the afternoon, storage shifts upstairs and the ground floor becomes active. Kiosks and counters open along the spine, verandas serve for packing, and the canalside edges turn into lively street trade.

MORNING - TRADE & LOGISTICS

At dawn, carts and boats converge at the canal edge as load bearers load & unload and sort goods on the ground floor before transporting them to upper-level storage.

HERITAGE BACKBONE

The old facades watch silently - trade, time, and everyday life



Look, the downstairs shutters are folding open again!

Now it's tea stalls and slow conversations

Bargaining, chatter, movement everywhere

Carts on one side, boats on the other.

The air is heavy with shutki