P5 PRESENTATION EMMA VAN HELDEN

DISPLACEMENT TRANSFORMATION OF INNERCITY SETTLEMENTS IN ADDIS ABABA

SOCIO-SPATIAL REDEVELOPMENT FOR THE INNER-CITY SETTLEMENT LIDETA



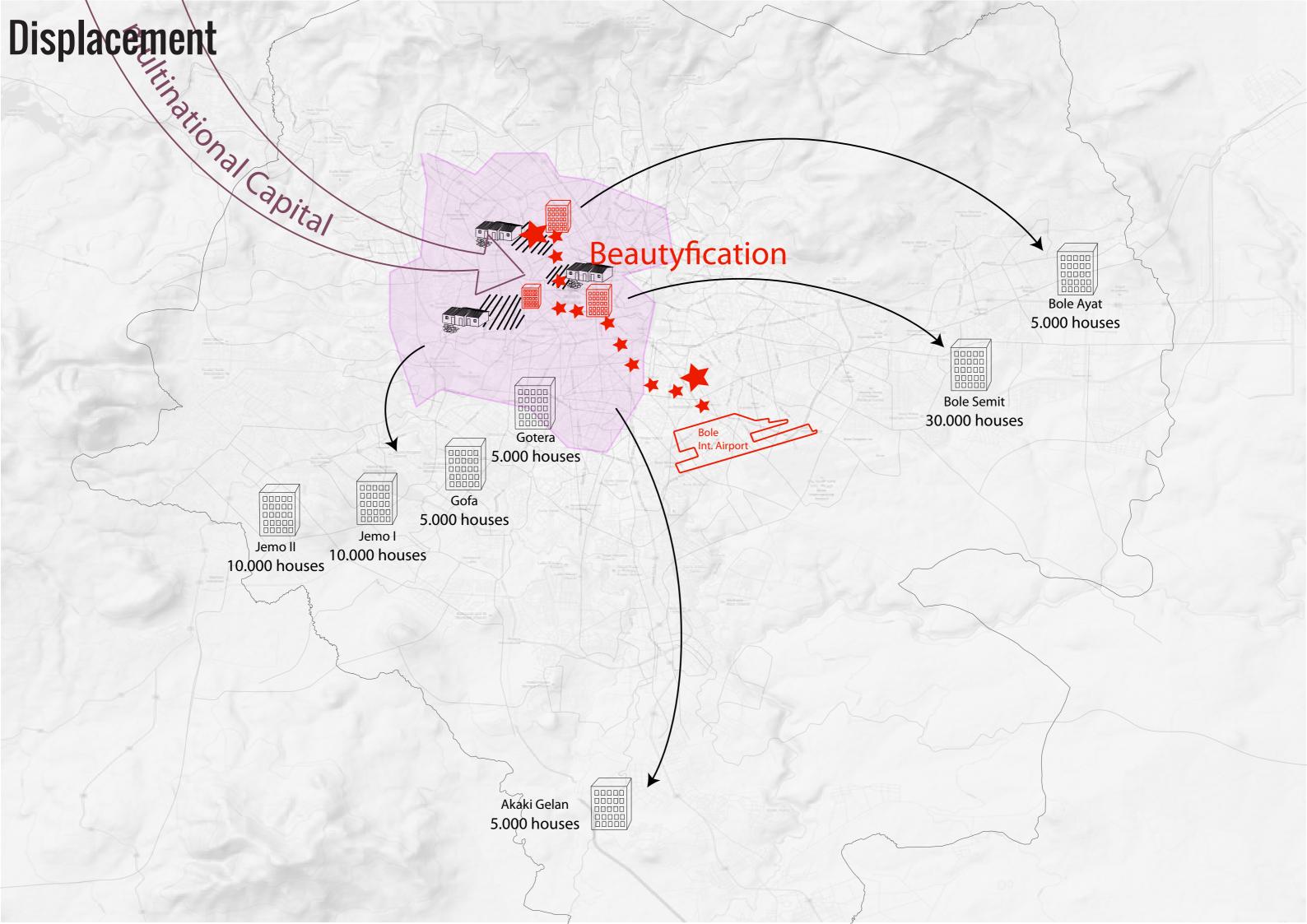


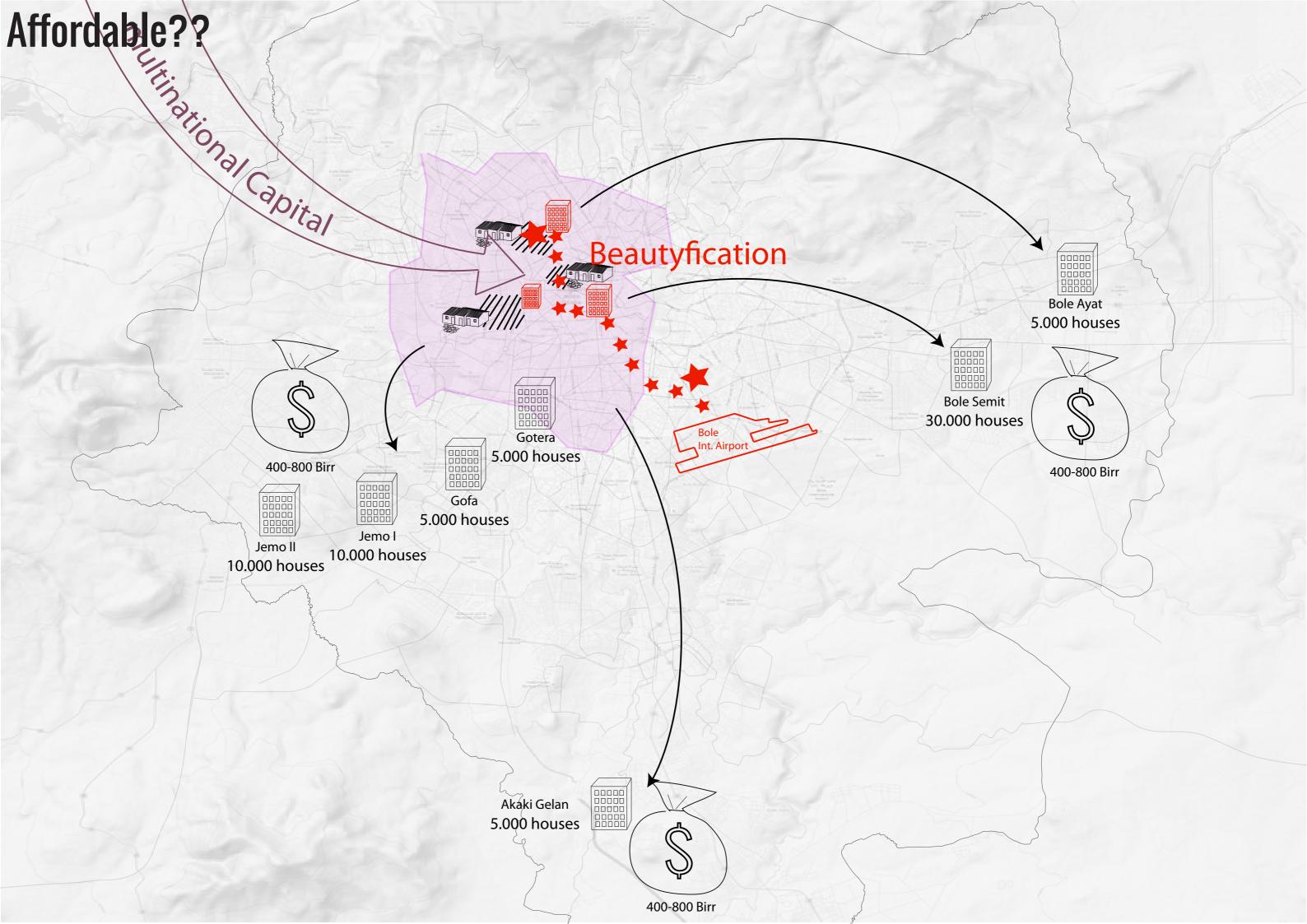




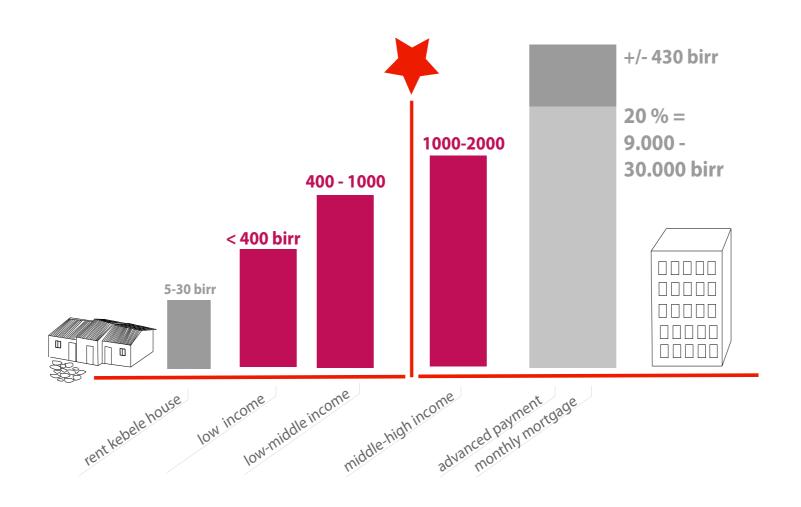


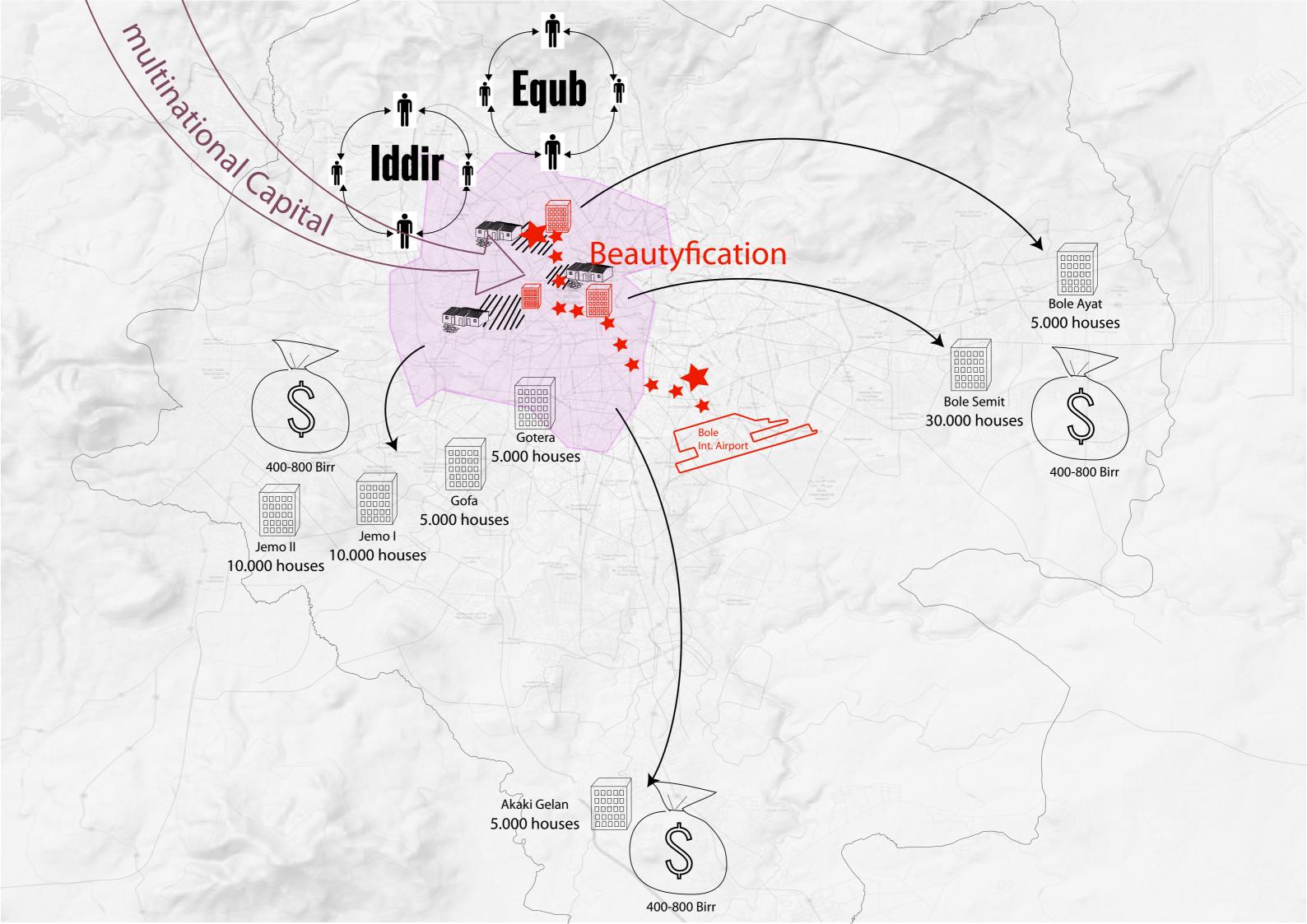
Research conclusions

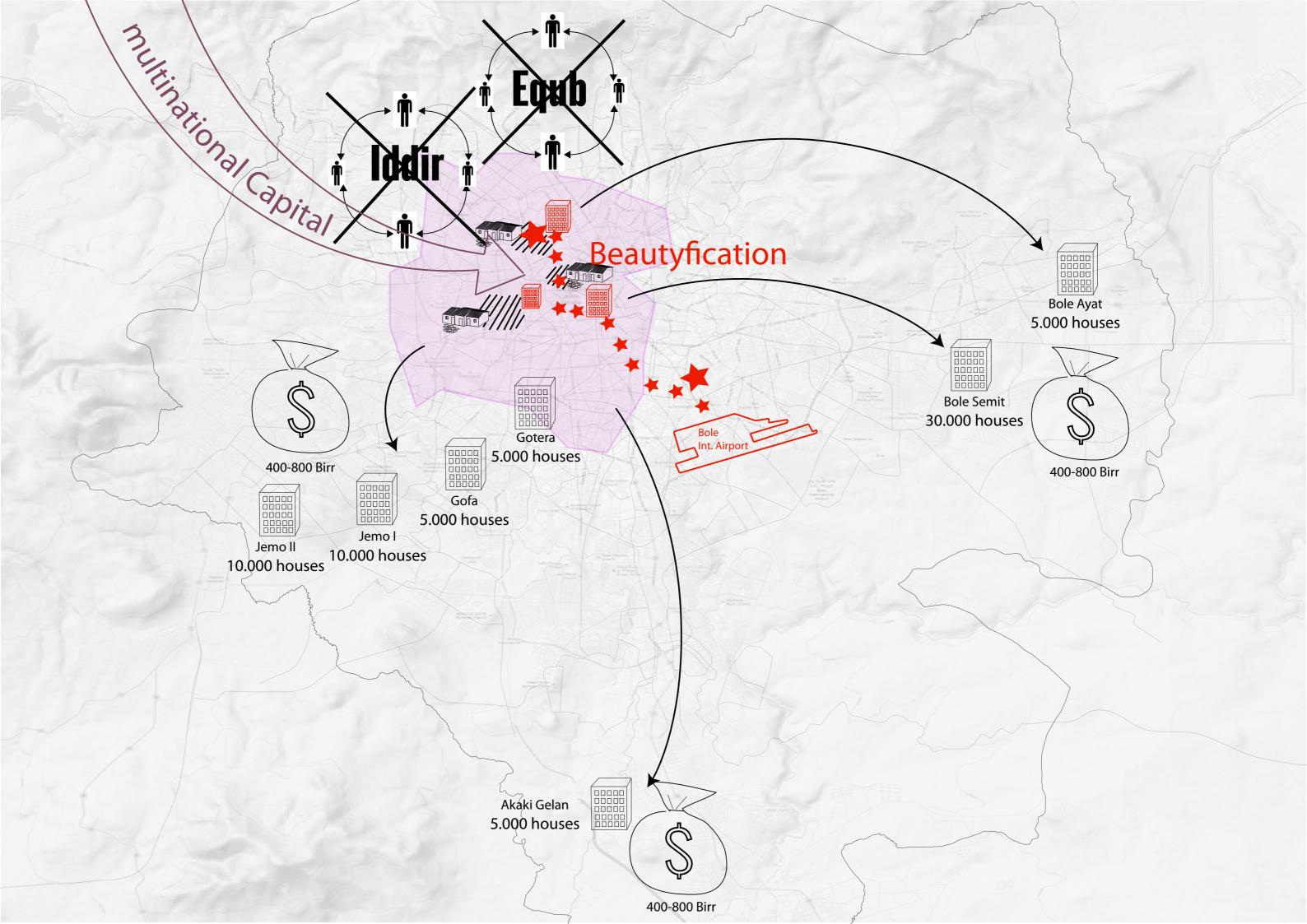




Affordable??









Main arguments / design intentions

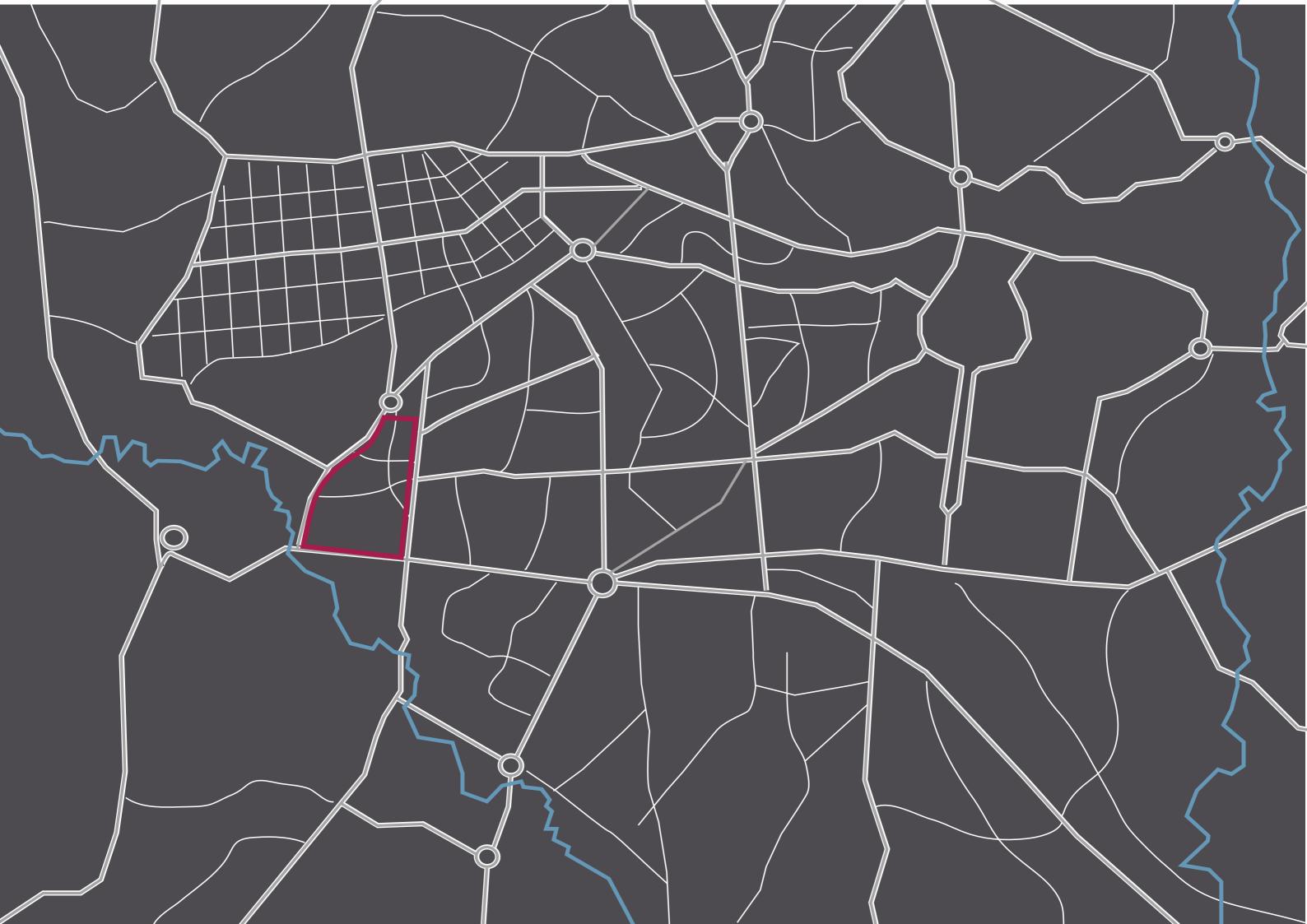
This intervention in the inner-city of Addis Ababa is focused on **marrying** the traditional way of living with a new modern way of living.

Through implementing a network of interconnecting facilitairy units that offer a set of **affordances** within the local context and that facilitates and unleaches a process of upgrading that is laid out over a larger period of time, local communities are empowered to take control of the development and sustainability of their own habitat.

The intervention helps to create a new **topofilia** for the place. Through introducing facilities like hygienic, sanitairy facilities etc that it didn't had before, a new meaning is inserted into the neighborhood. This is a meaning that can be used to offer an alternative of living, people are no longer compelled to search for that other 'modern' type of living they already have it in their own houses. They also remain or retain their identity, their love for their space.

Urban analysis











Infrastructure









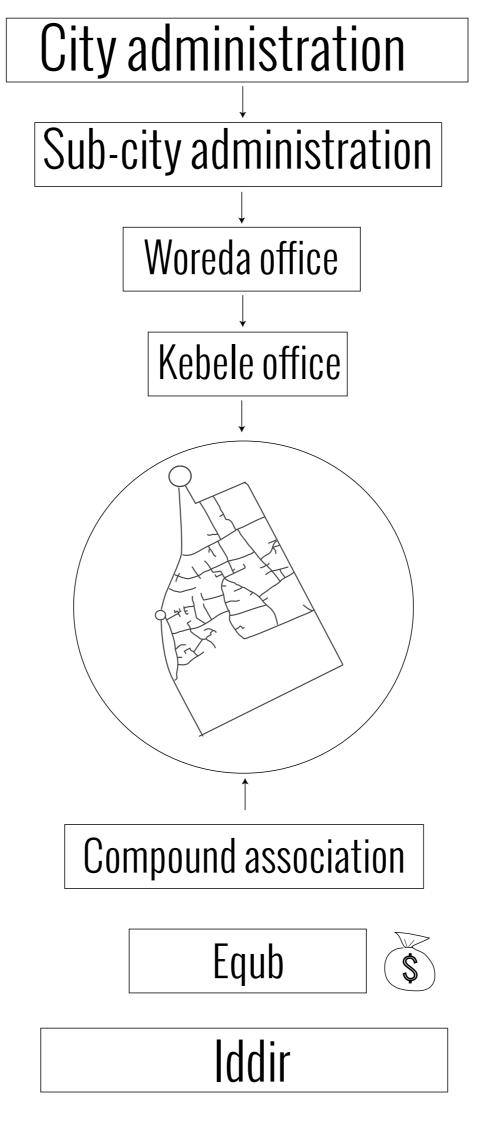




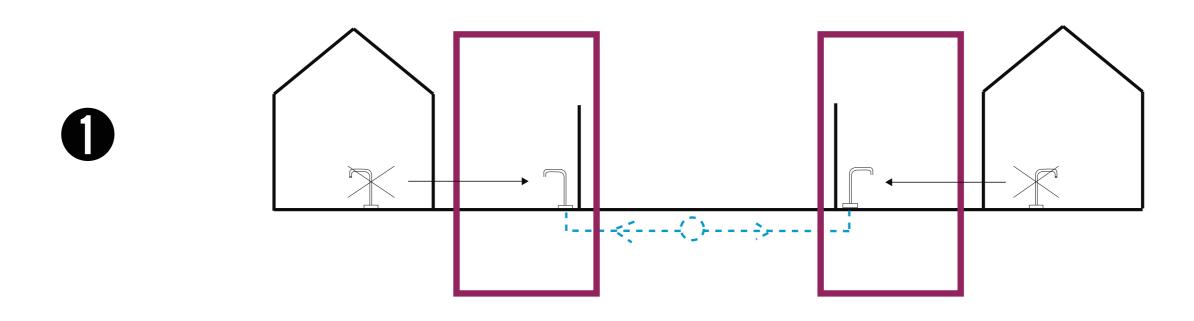


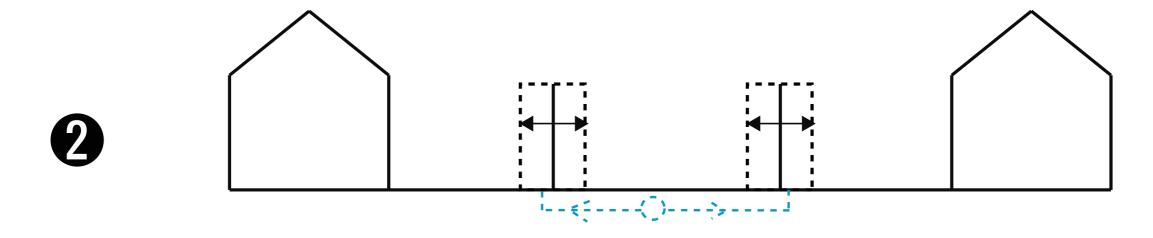


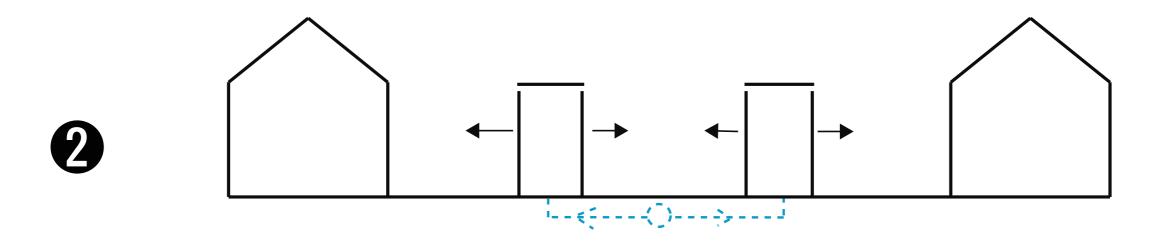
Organisation

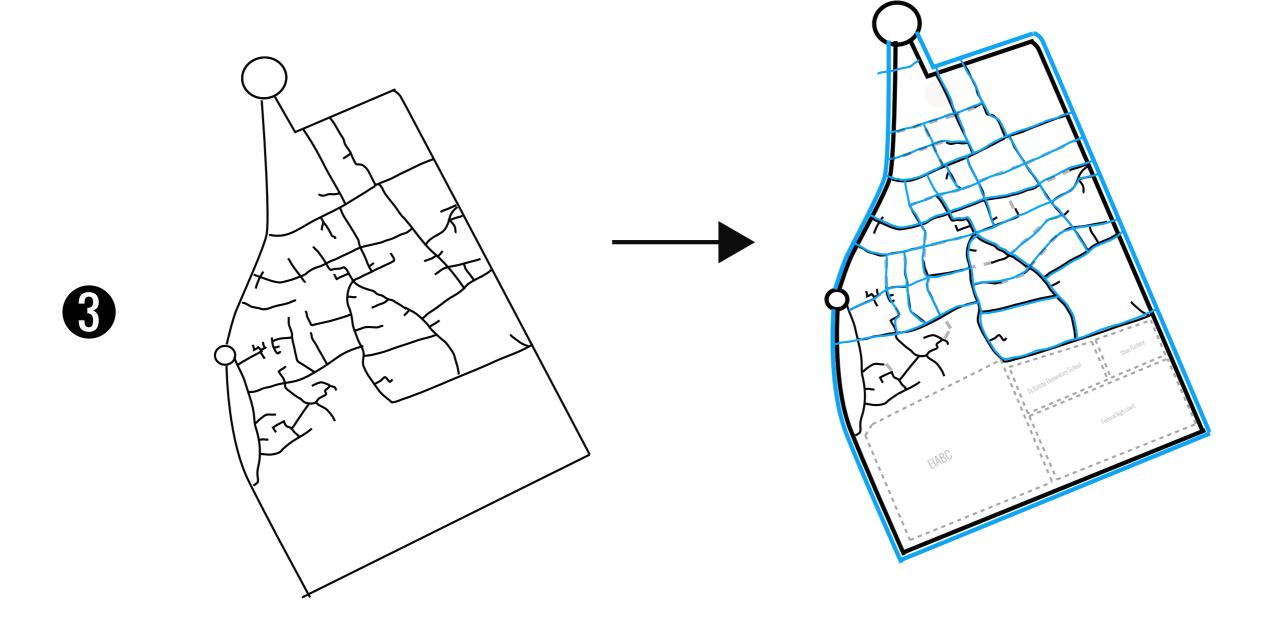


Strategy





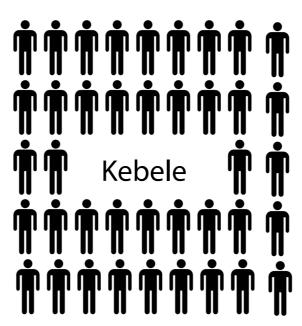














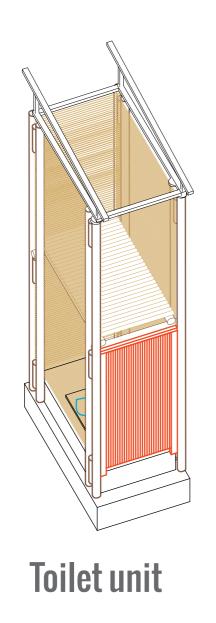


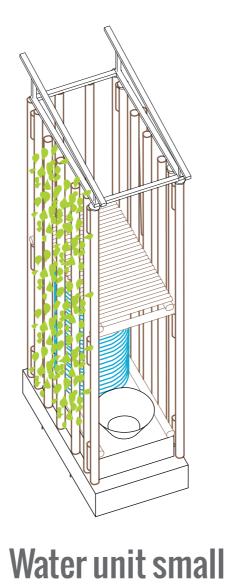


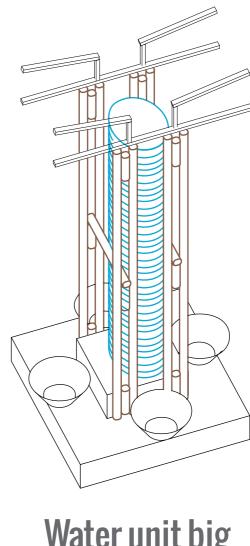


Design

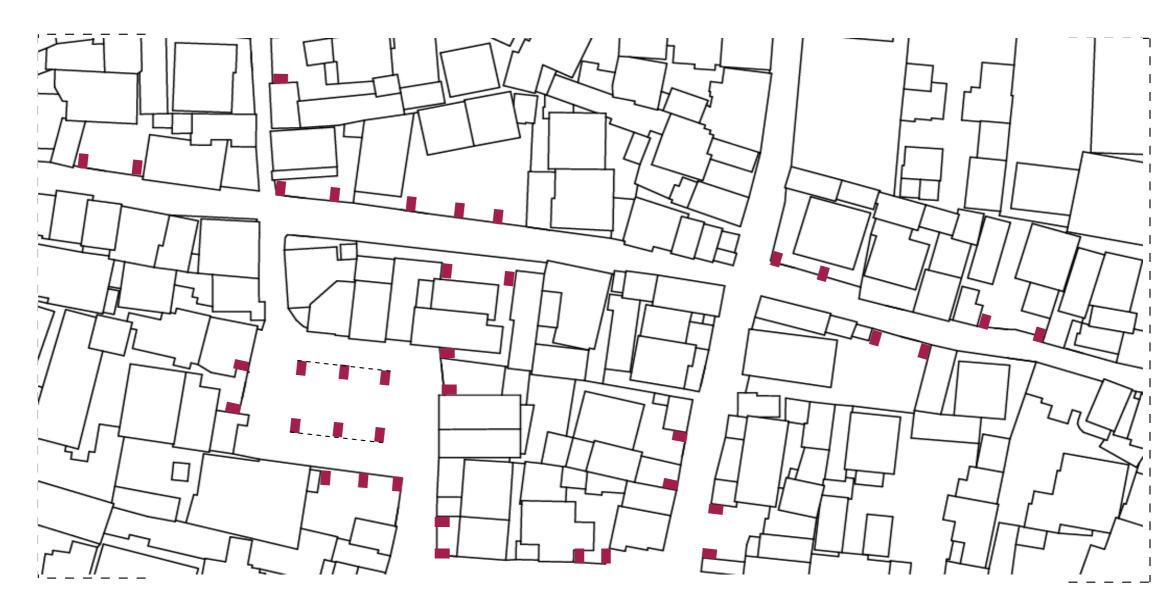
Three units



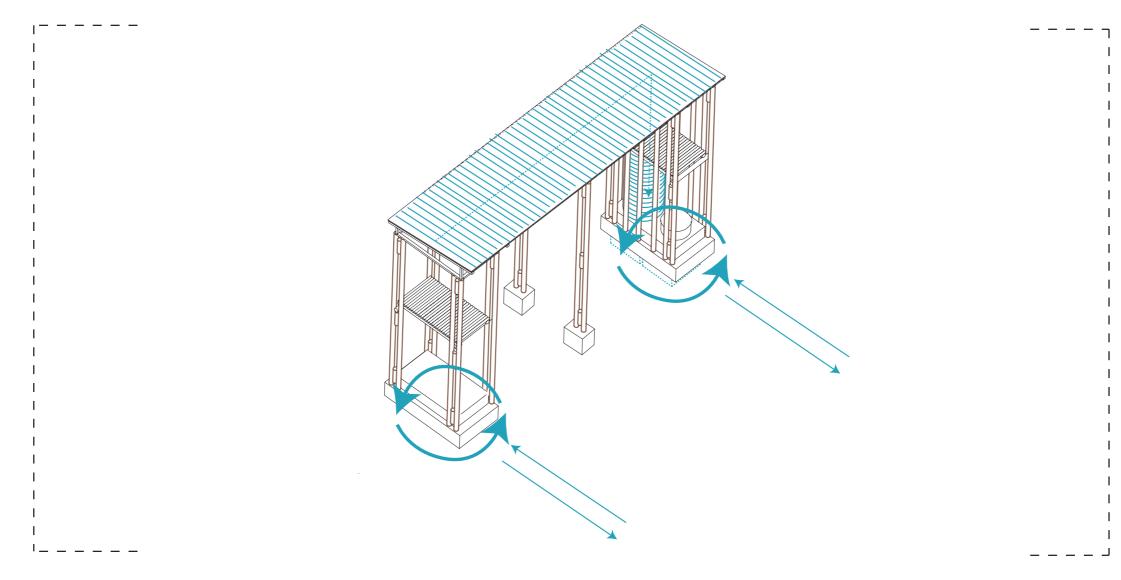




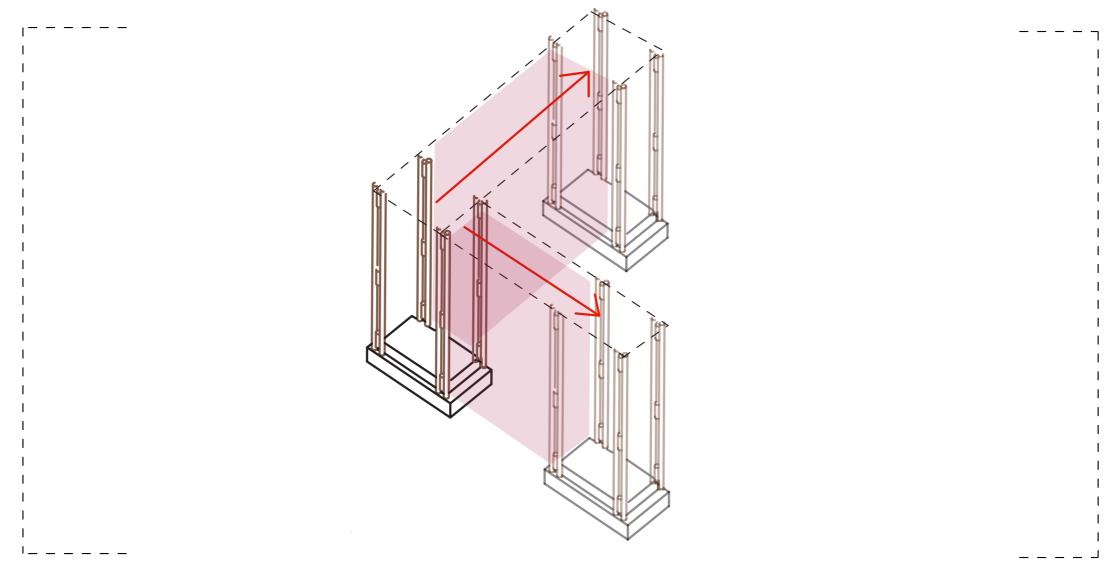
r unit small Water unit big



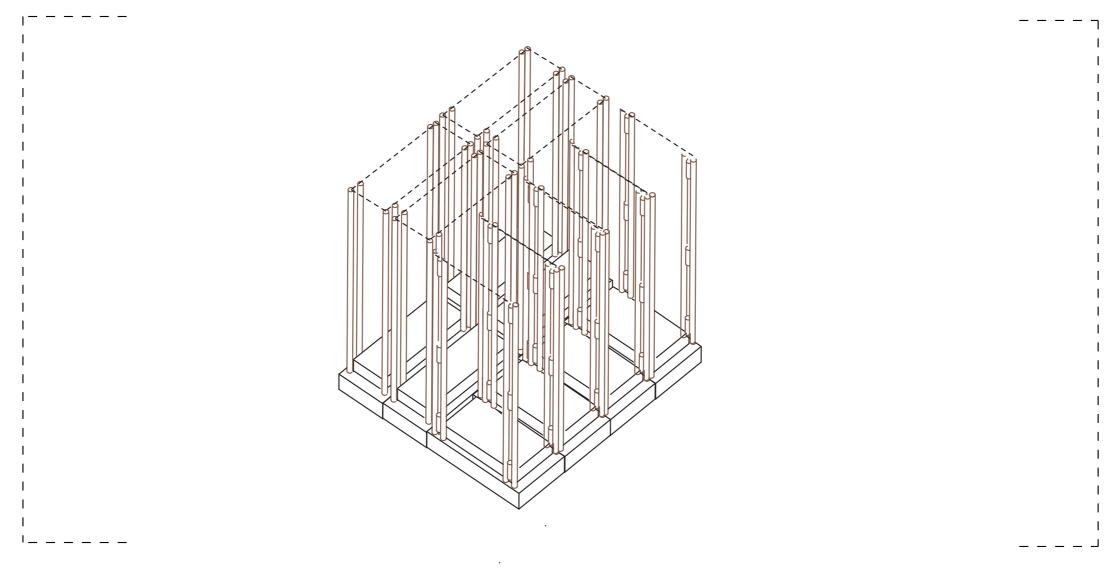
A. Inserting a unit form in a organicly formed urban fabric



B. Unit as smart service block



C. Unit as colums



D. Unit as Blocks Box





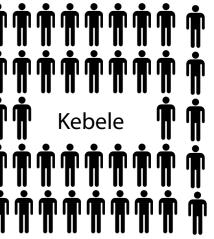




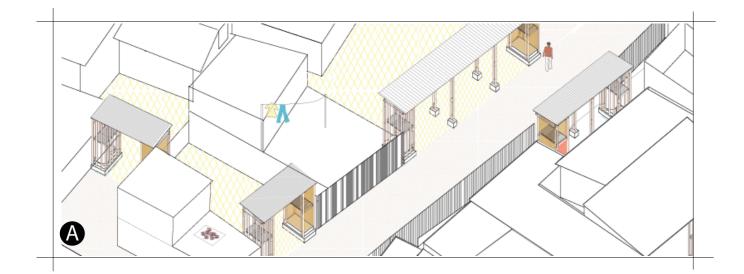
Type B

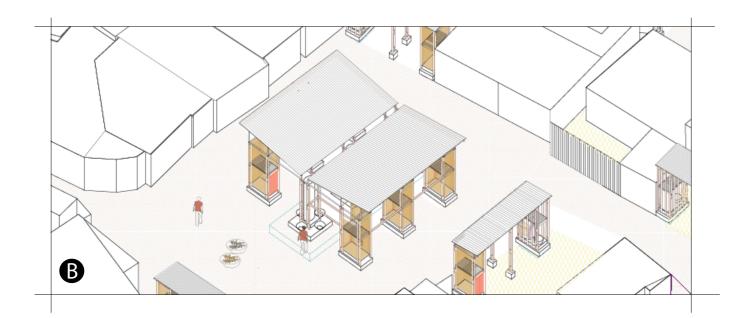


Type **C**

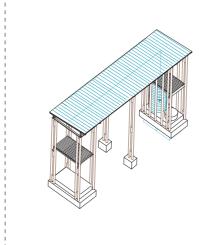


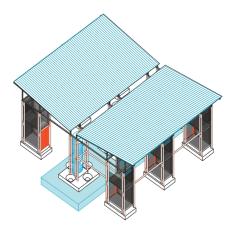
Environmental Challanges and Sustainability

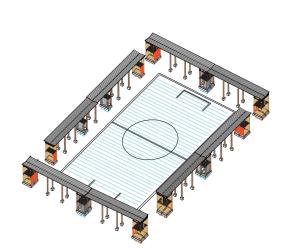






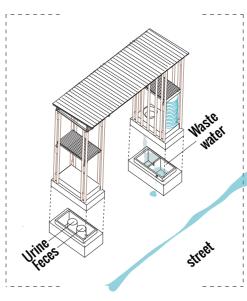






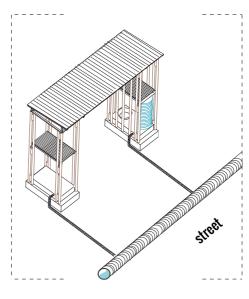
A. Rainwater collection and storage





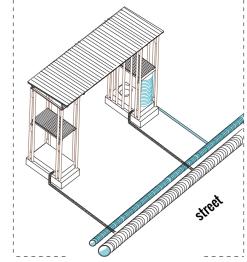
B. Waste water collection and threatment





C. Low-cost sewage system



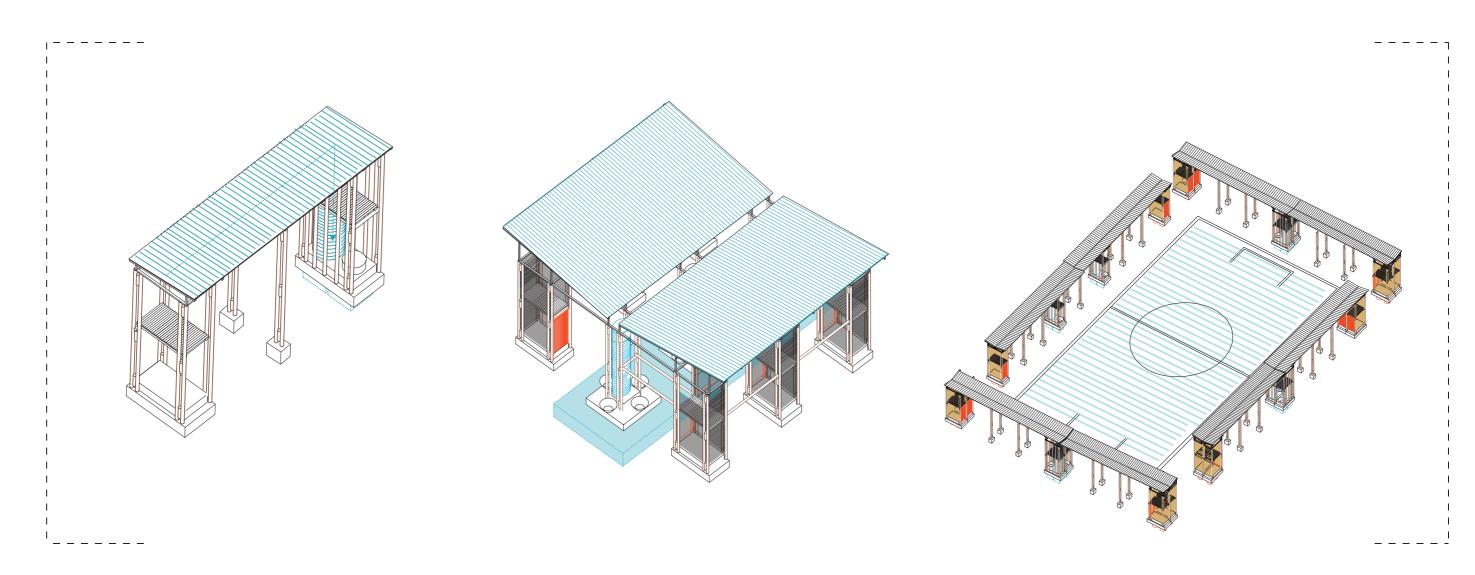


D. Water distribution









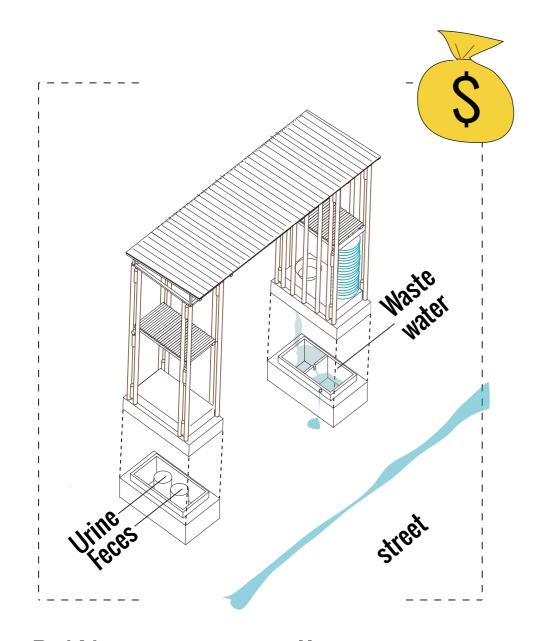
A. Rainwater collection and storage









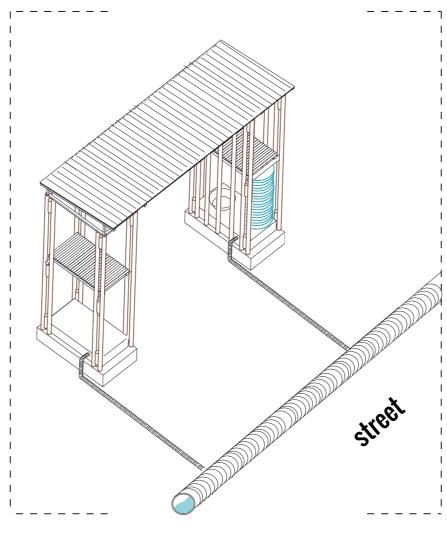


B. Waste water collection and threatment







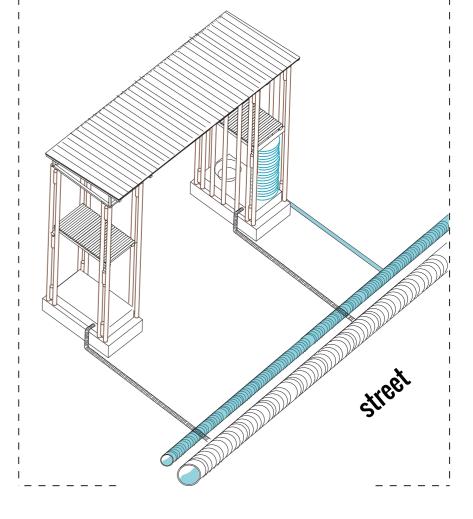


C. Low-cost sewage system









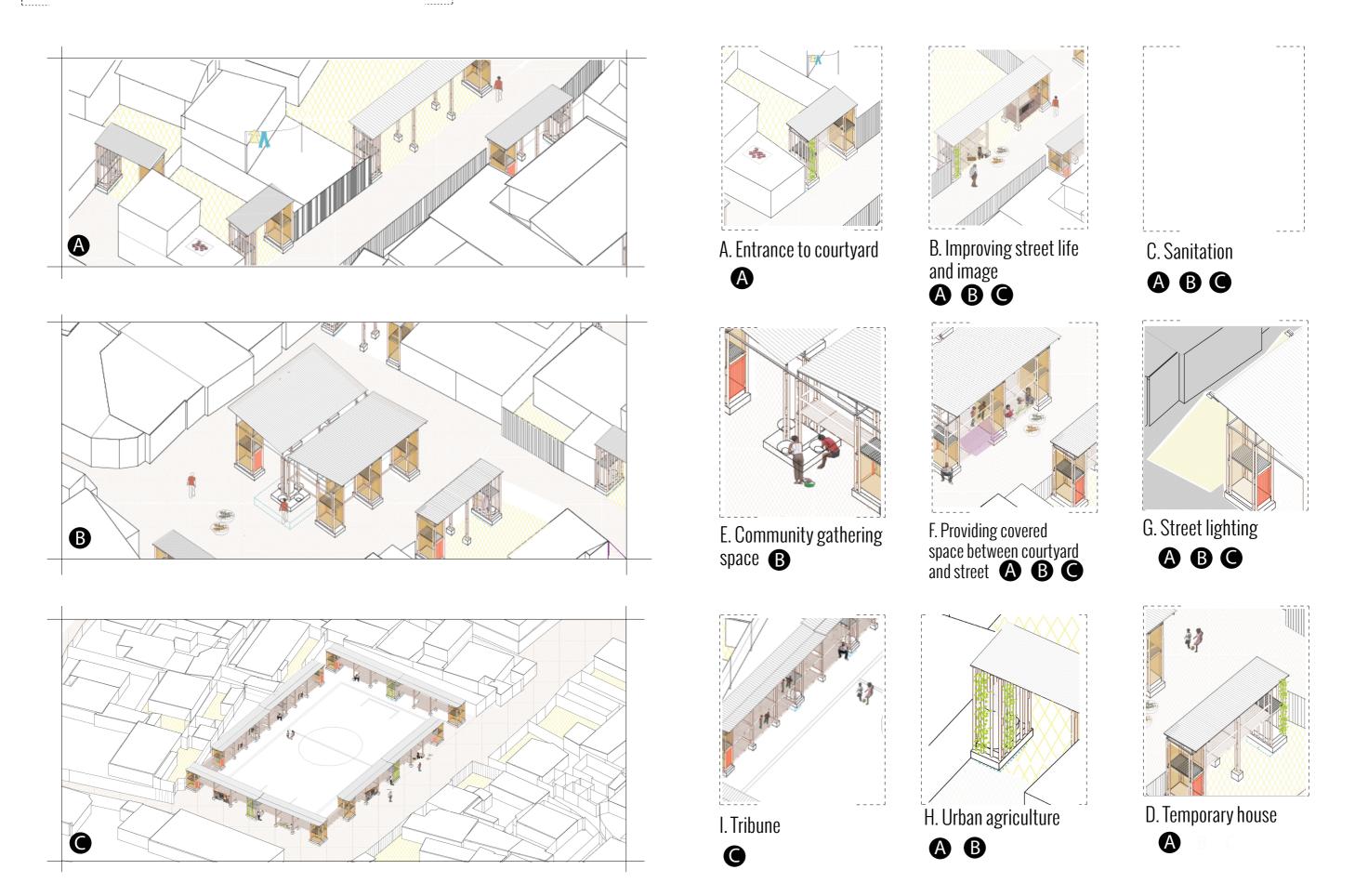
D. Water distribution

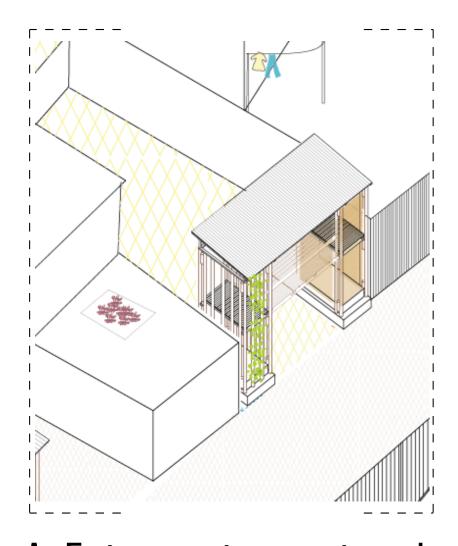






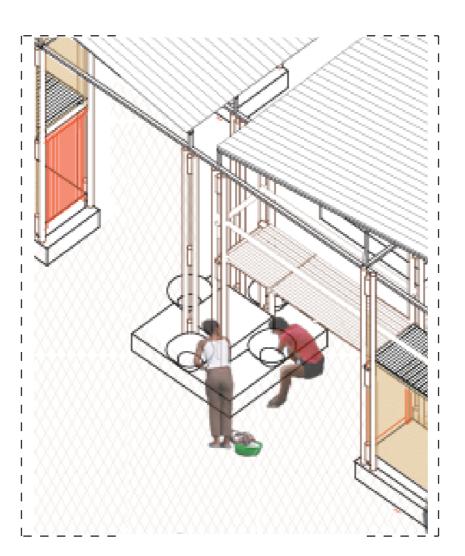
Functions and daily activities



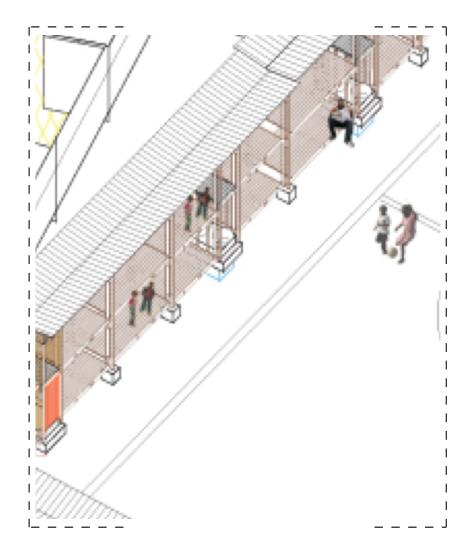


A. Entrance to courtyard



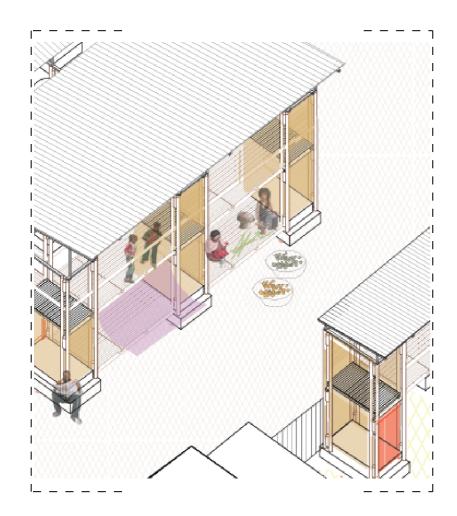


E. Community gathering space **B**

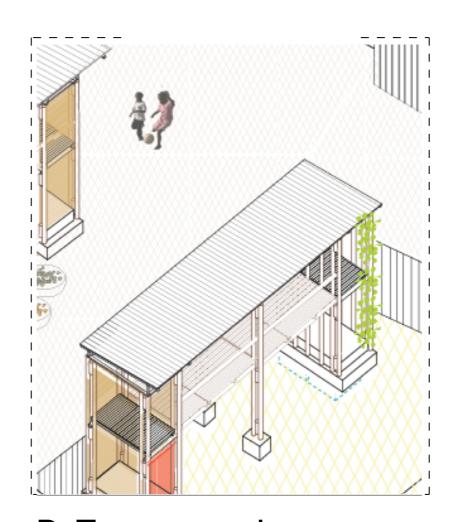


I. Tribune





F. Providing covered space between courtyard and street A B C



D. Temporary house

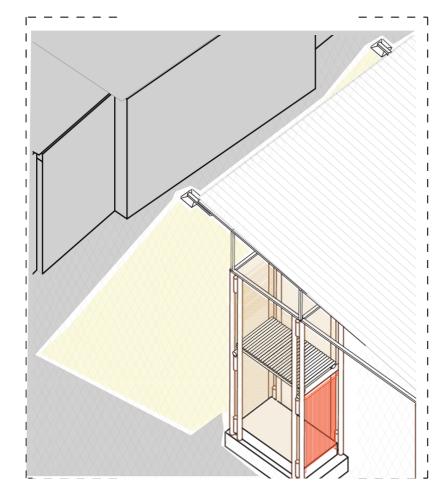


B. Improving street life and image







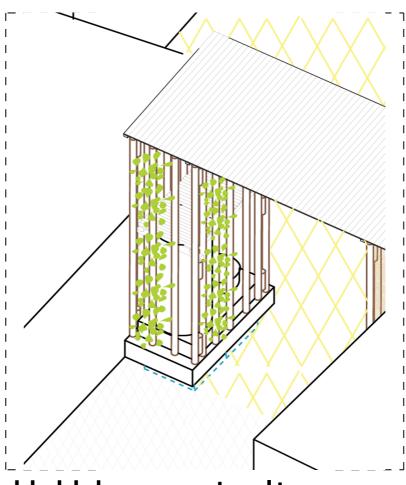


G. Street lighting









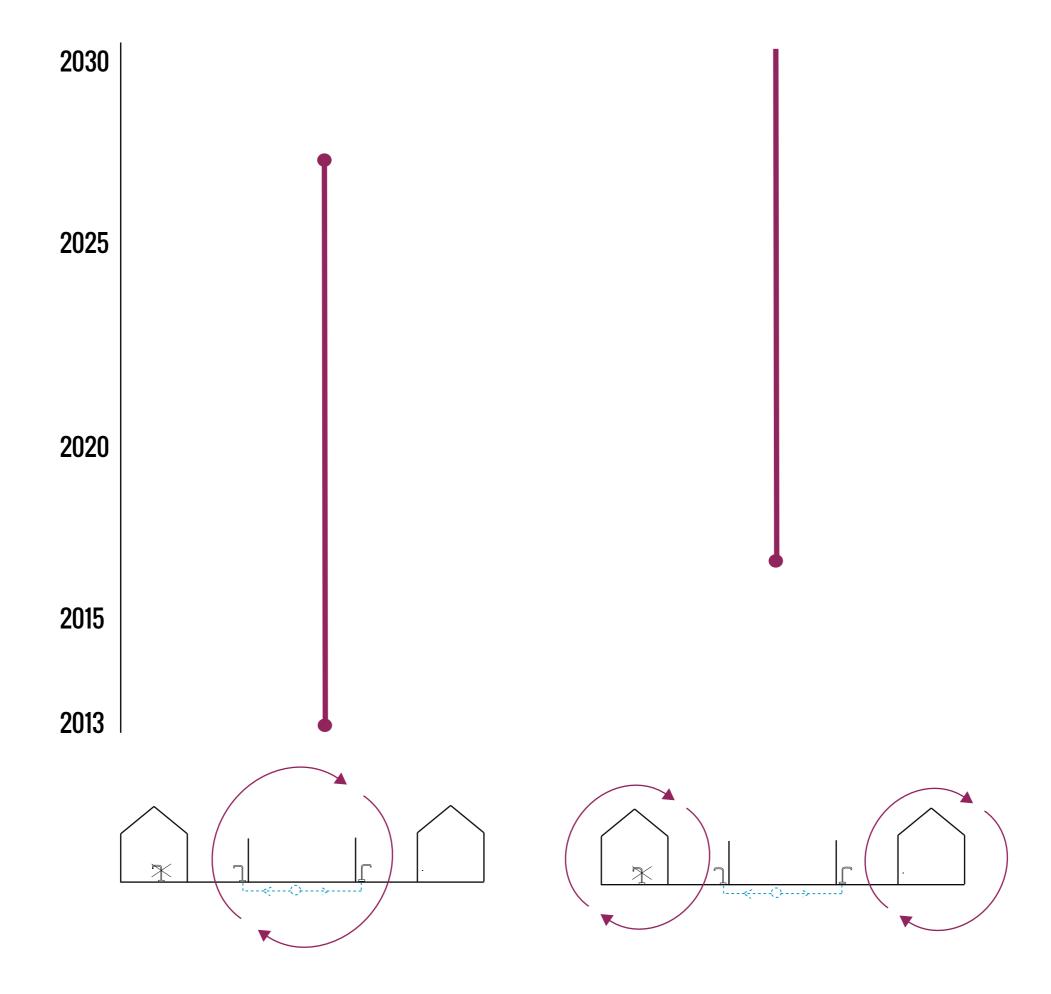
H. Urban agriculture







Phasing



Phase 1 - 2014

Goal of Phase 1:

The project catalyst. Small scale intervention with wide effect.

Site selection:

The community sports field is a place with already a strong sence of ownership. Any change has a direct impact on the community, but not an a individual.

Proposal:

A new open public structure around the sportsfield in stead of a wall.

Actors/stakeholders:

- Surrounding schools
- Water and sewerage agency
- NGO's promoting water and sport in Ethiopia: WaterAid, Unicef, UN water
- City administration: Kebele office
- Representatives of community organisation Iddir
- Local manufacturig workshops

Financial model:

Investment:

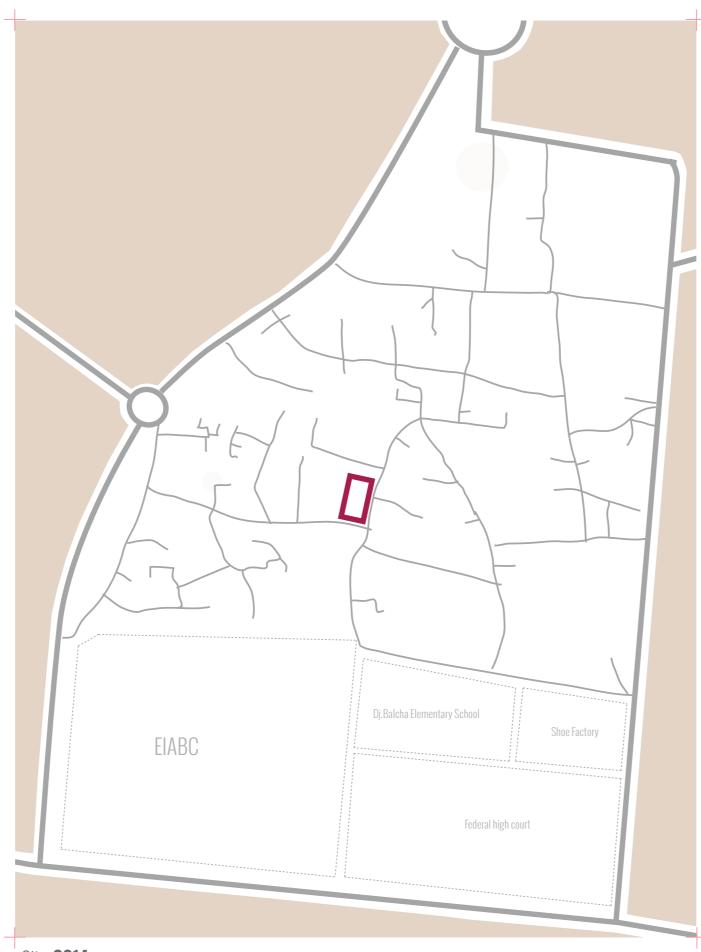
- Foundation: Water and sewerage agency
- Structure: Kebele office
- Infill information centre: Kebele office
- Infill office and storage: surrounding schools
- Infill shops: individuals
- Upgrading of sportsfield and infill for tribune: NGO's

Provit:

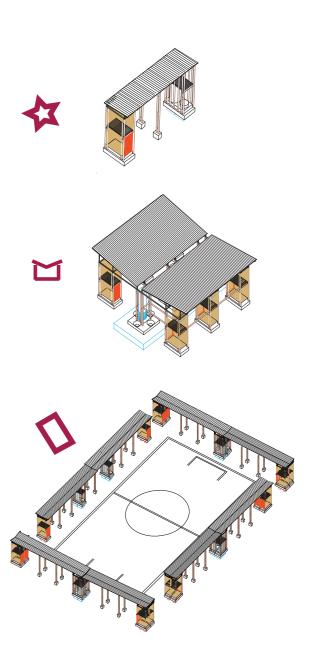
- Individuals: money from shops
- Community: water and sanitation
- Community: a sports field that can be used for organising matches public gatherings and that stimulates sociale cohesion.
- Water and sewarage agency: better accessibility to sceptic tanks and working towards a sewarage network.
- Kebele office: With this first project provite an example model for the rest of the neighborhood.

Project goals:

Re-generating the public sportsfield with new public functions and activities. Offering spaces for shops, tribune, information centre. Create conditions for community gatherings stimulating social cohesion in the neighborhood.



Interventions



Site **2014**

Phase 2 - 2015

Goal of Phase 2:

A pilot project for the Courtyard structure with the goal to create visibility of the project and to be able to in order to evaluate feasibility, time and cost.

Site selection:

A central location, close to the soccerfield and along a busy walking route is chosen in order to create maximum visibility of the project.

Proposal:

The implementation of 10 to 15 Courtyard Structures on the pilot location.

Actors/stakeholders:

- Water and sewerage agency
- City administration: Kebele office
- Representatives of community organisation Iddir
- Local manufacturig workshops
- Residents as individual households and compound communities

Financial model:

Investment

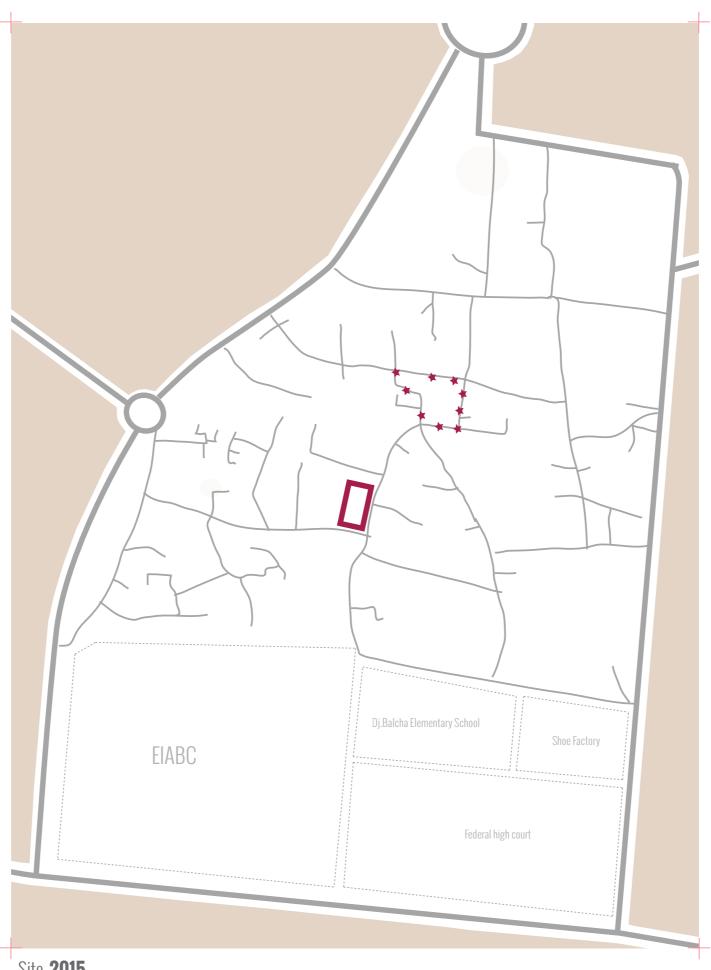
- Foundation: Water and sewerage agency
- Structure: Residents as individual households and compound communities, financed by Equb. Equb gets startup capital from city administration.
- Infill shops / workspaces / covered space: individuals

Provit

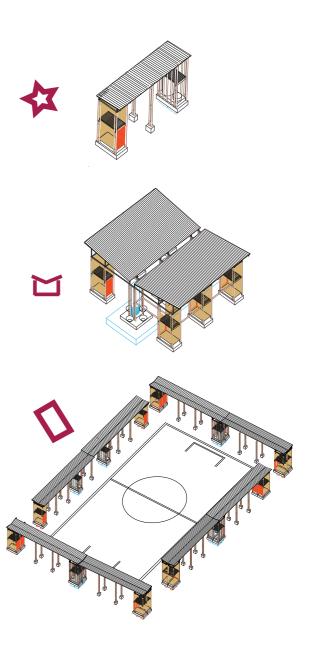
- Individuals: money from shops
- Households and compound community: free acces to water and sanitation
- Water and sewarage agency: better accessibility to sceptic tanks and working towards a sewarage network.

Project goals:

Improving and increasing the household sanitairy facilities. Enhancing the productivity of the courtyard. Re-vitalising the streetnetwork.



Interventions



Site **2015**

Phase 3 - 2020

Goal of Phase 3:

Start up of the housing upgrading process. Improving accessibility through the creation of new and wider streets.

Proposal:

Stimulating the construction of the Courtyard structure through the neighborhood. Beginnings are made on the new simplified sewage system. Connecting the first sceptic tanks to the new simplified sewage line that connects to the main sewerage line of the city.

Actors/stakeholders:

- Water and sewerage agency
- City administration: Kebele office
- Representatives of community organisation Iddir
- Local manufacturig workshops
- Residents as individual households and compound communities

Financial model:

Investment

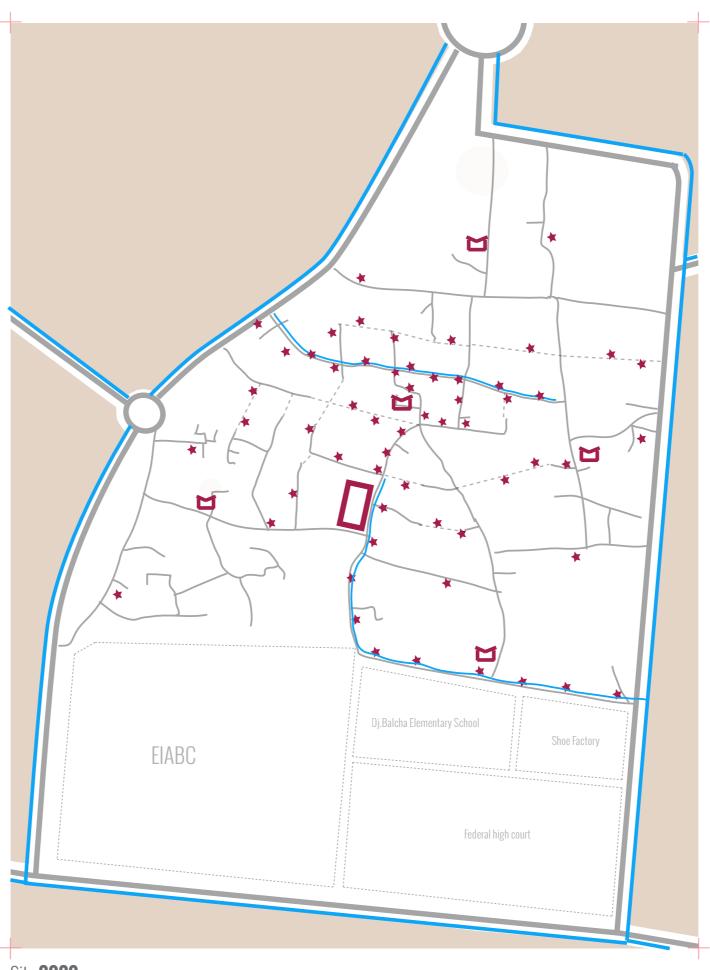
- Foundation: Water and sewerage agency
- Structure: Residents as individual households and compound communities, financed by Equb. Equb gets startup capital from city administration.
- Structure community sanitation building: IDDIR
- Infill shops / workspaces / covered space: individuals
- Street profil and sewarage system: Road and transport agency/ Water and sewarge agency.
- House ownership: Kebele office

Provit

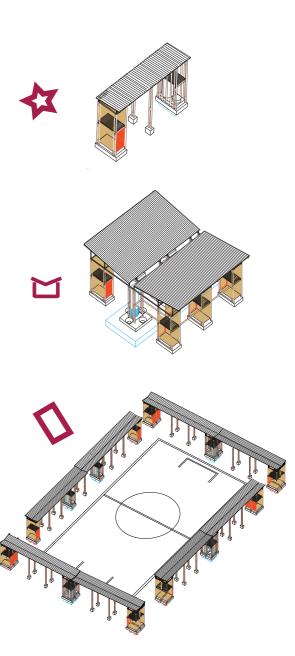
- Individuals: money from shops
- Households and compound community: free acces to water and sanitation
- Water and sewarage agency: better accessibility to sceptic tanks and working towards a sewarage network.
- Kebele office: Residents thake control of upgrading their own housing.

Project goals:

Improving and increasing the household sanitairy facilities. Enhancing the productivity of the courtyard. Re-vitalising the streetnetwork. Improving accessibility in the neighborhood.



Interventions



Site **2020**

Phase 4 - 2025

Goal of Phase 4:

Residents thake control of upgrading their own housing. Improving accessibility through the creation of new and wider streets.

Proposal:

Re-connecting al deadend roads. Simplified sewage system laid out through all streets.

Actors/stakeholders:

- Water and sewerage agency
- Road and stransport agency
- City administration: Kebele office
- Representatives of community organisation Iddir
- Local manufacturig workshops
- Residents as individual households and compound communities

Financial model:

Investment

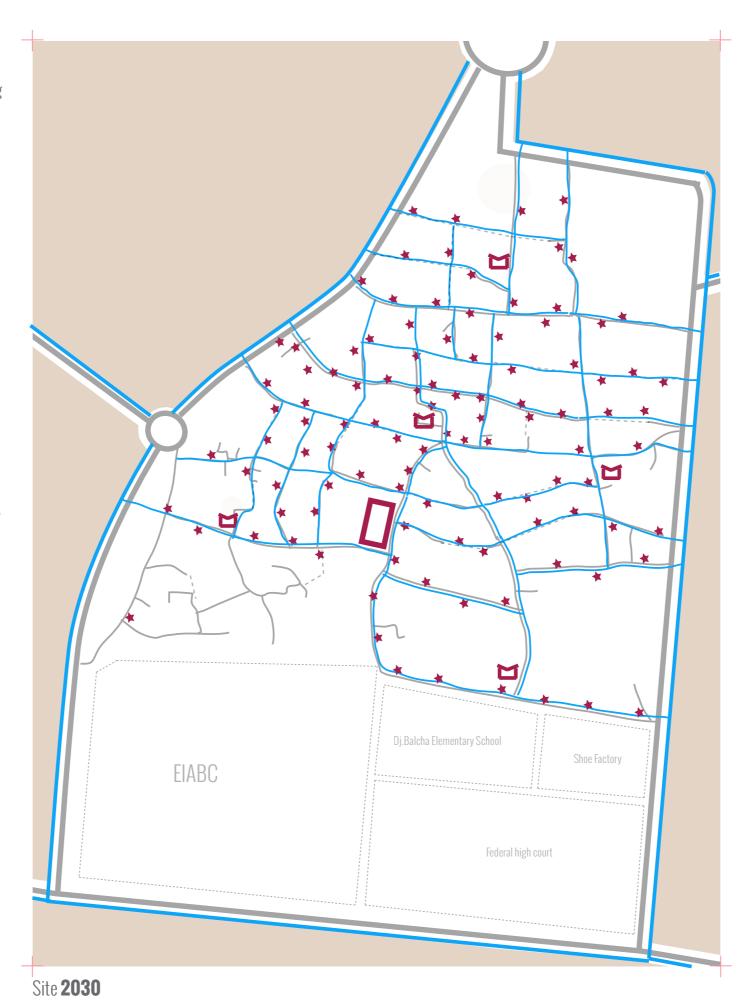
- Foundation: Water and sewerage agency
- Structure: Residents as individual households and compound communities, financed by Equb. Equb gets startup capital from city administration.
- Structure community sanitation building: IDDIR
- Infill shops / workspaces / covered space: individuals
- Street profil and sewarage system: Road and transport agency/ Water and sewarge agency.
- House ownership: Kebele office

Provit

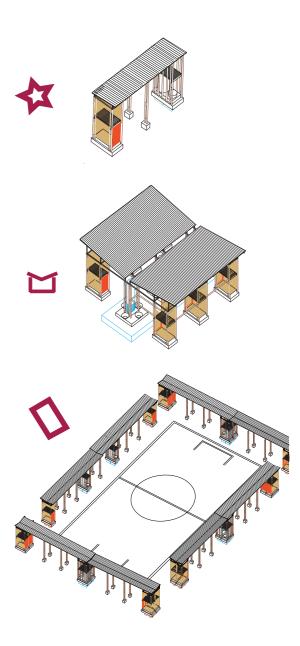
- Individuals: money from shops
- Households and compound community: free acces to water and sanitation
- Water and sewarage agency: Sewage line connections in residential area's of innercity. No need for sceptic tank service anymore.
- Road and transport agency: improved accessiility throughough ineercity. More possibilities for public transport.
- Kebele office: Residents thake control of upgrading their own housing.

Project goals:

Improving and increasing the household sanitairy facilities. Enhancing the productivity of the courtyard. Re-vitalising the streetnetwork. Improving accessibility in the neighborhood.



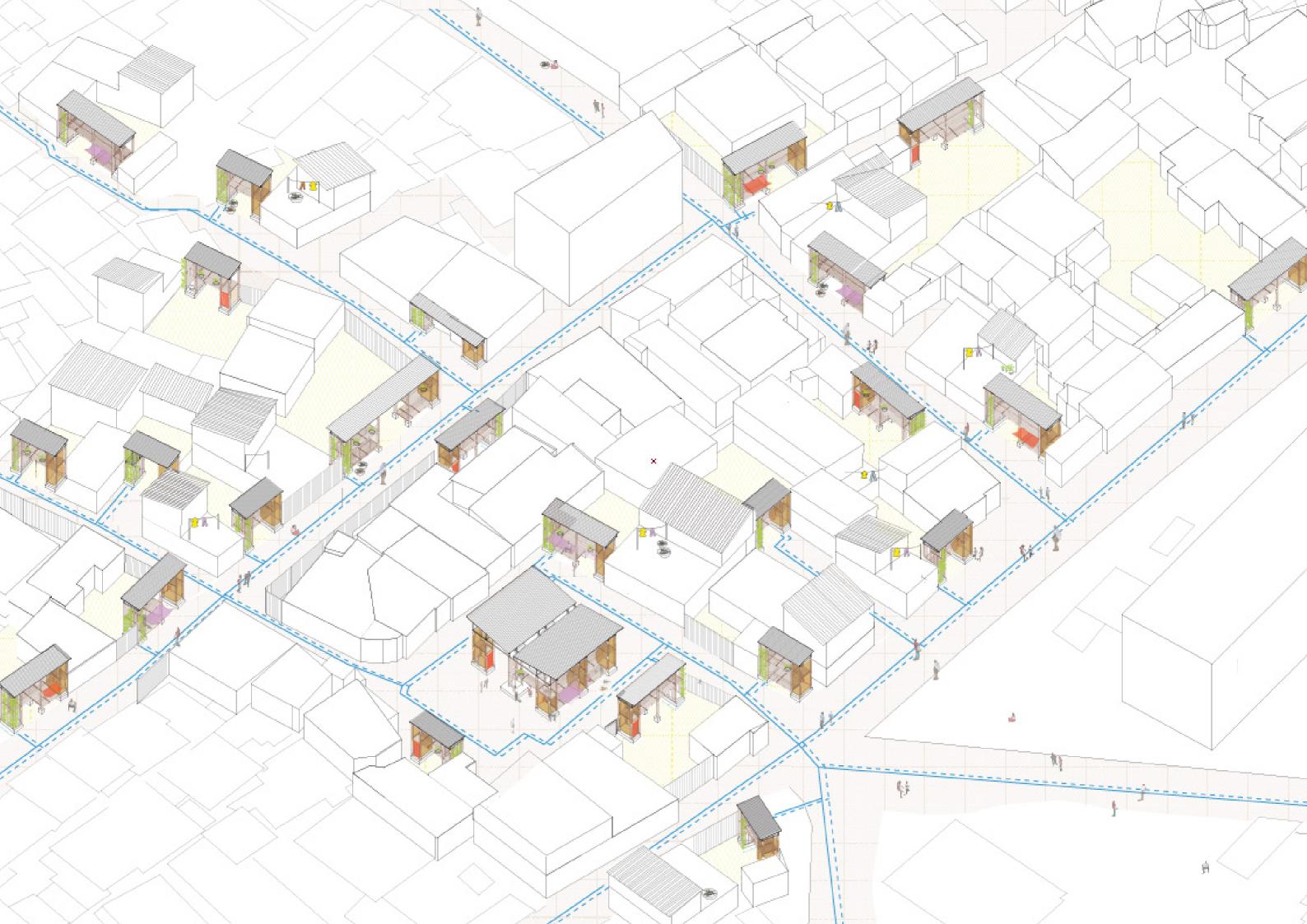
Interventions



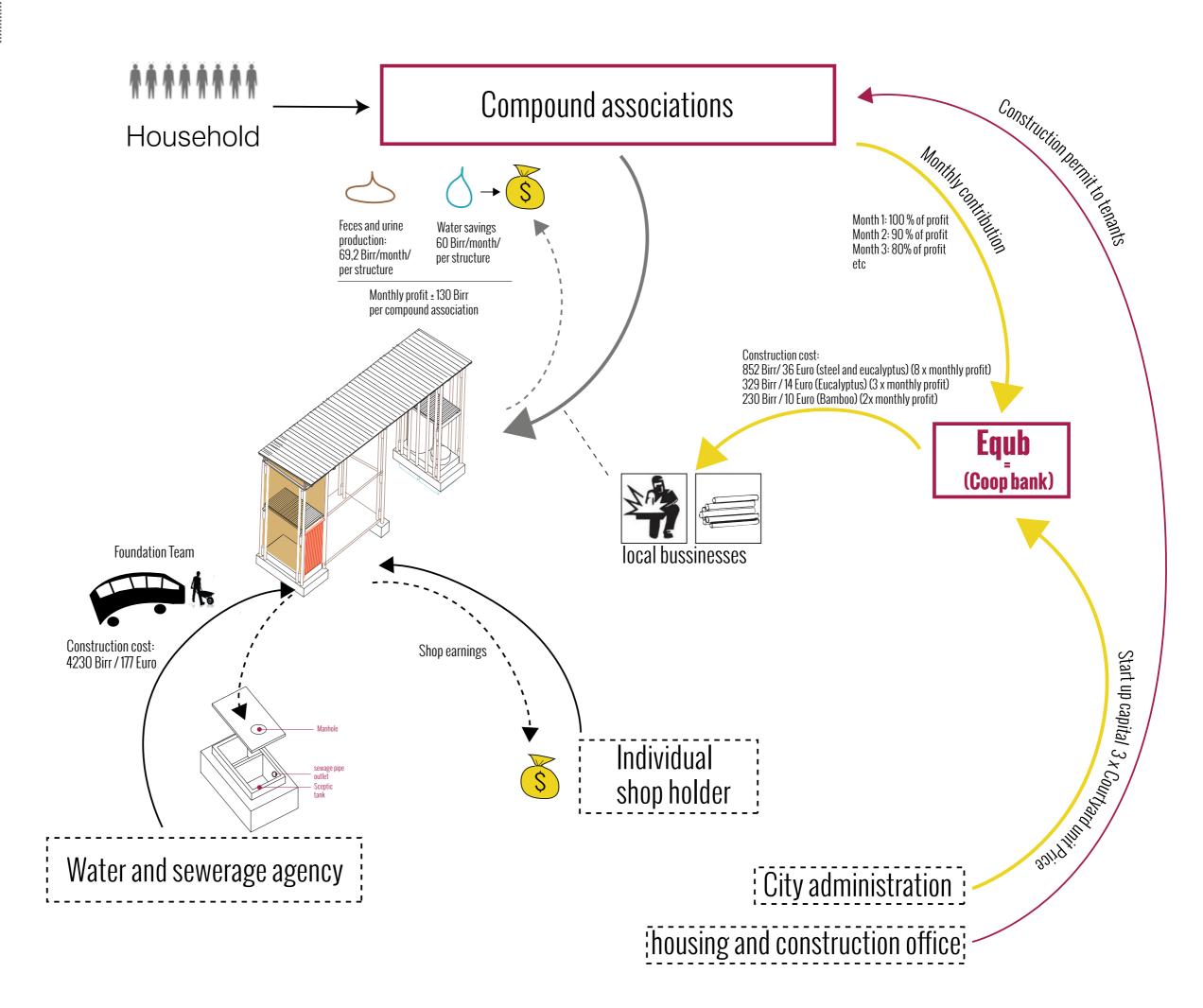




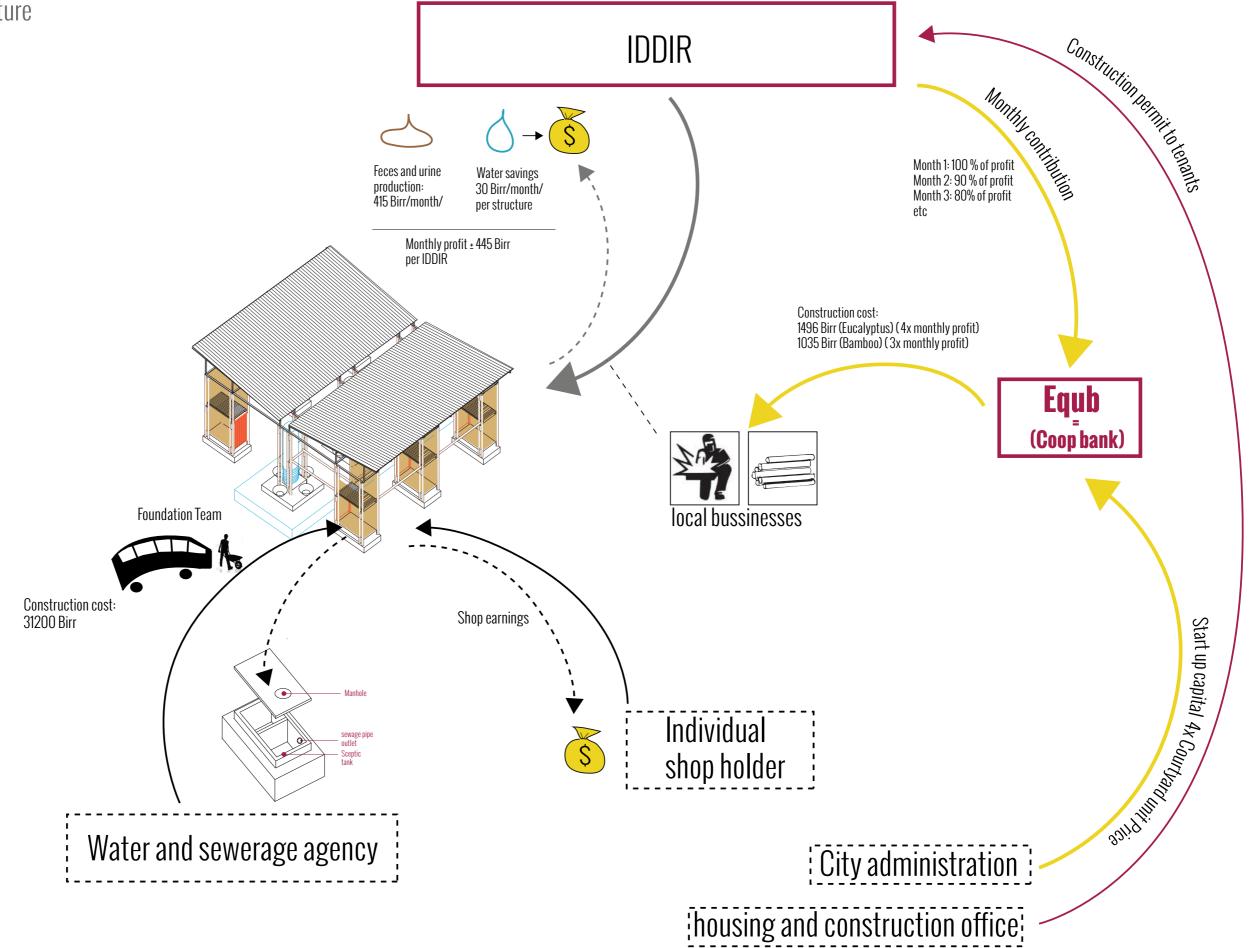




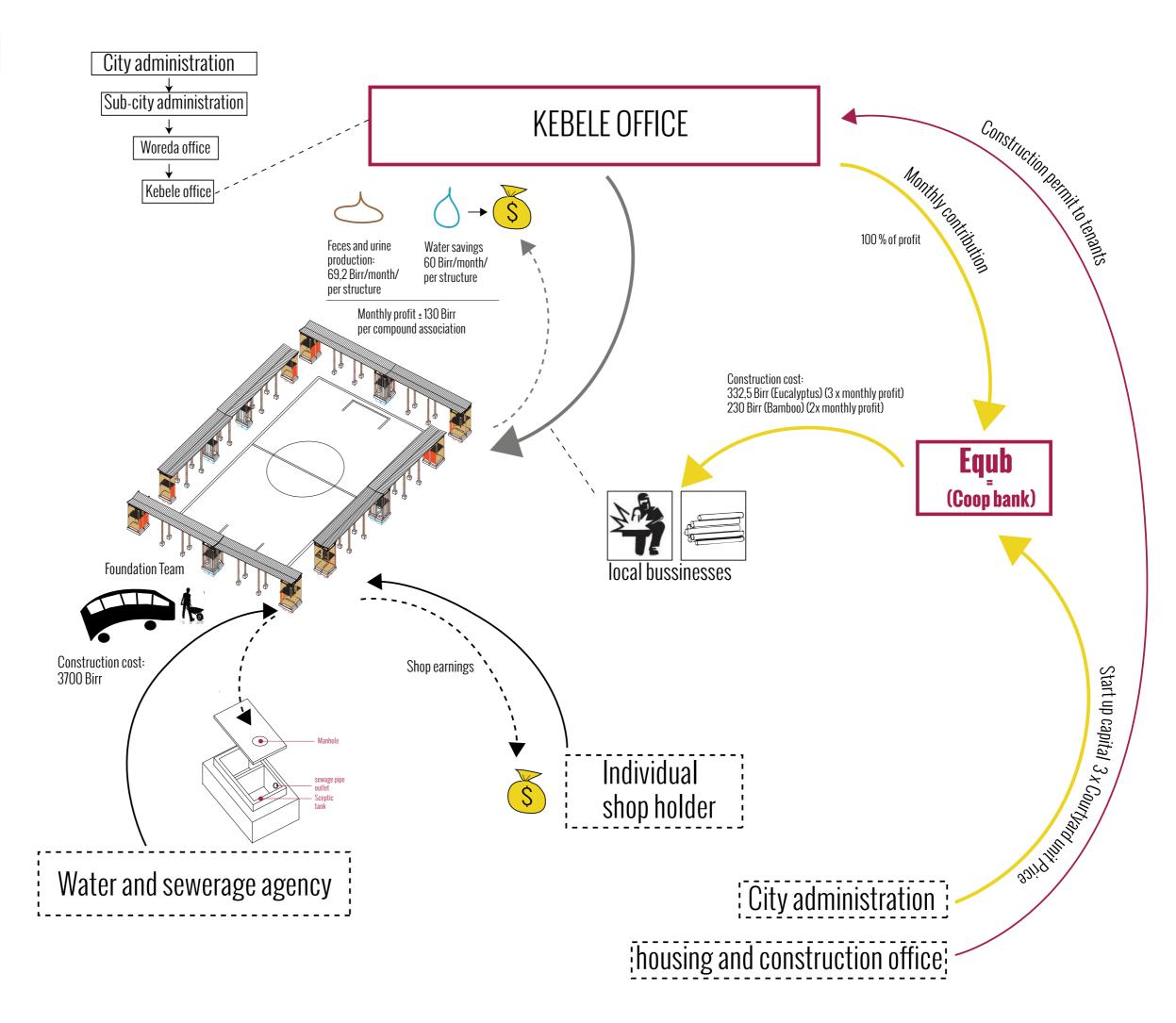
Courtyard structure

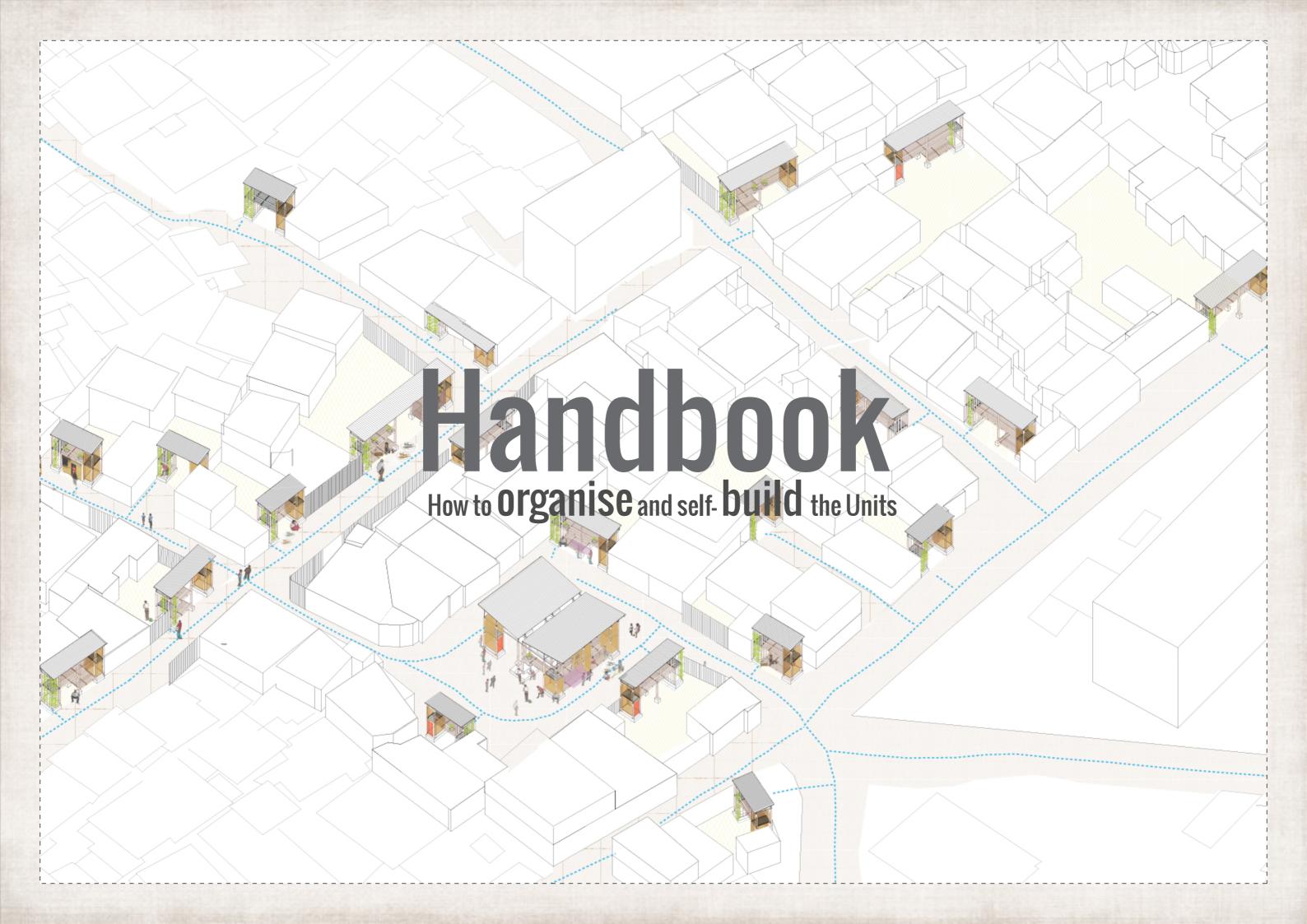


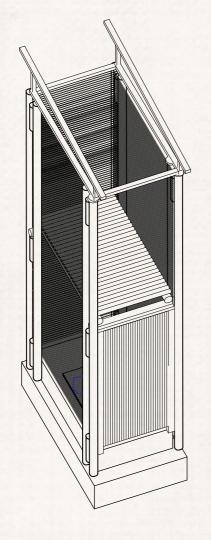
Community structure



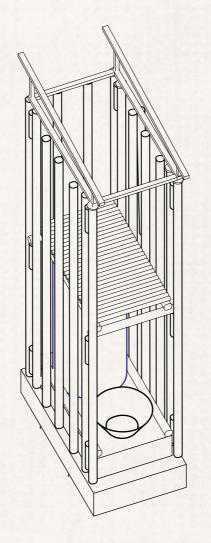
Sportsfield structure



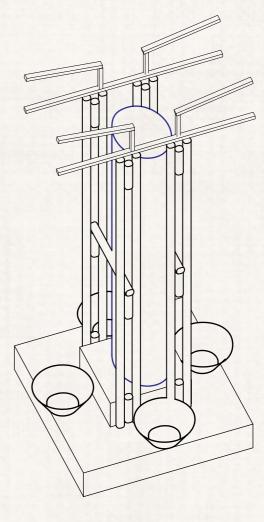




Toilet unit

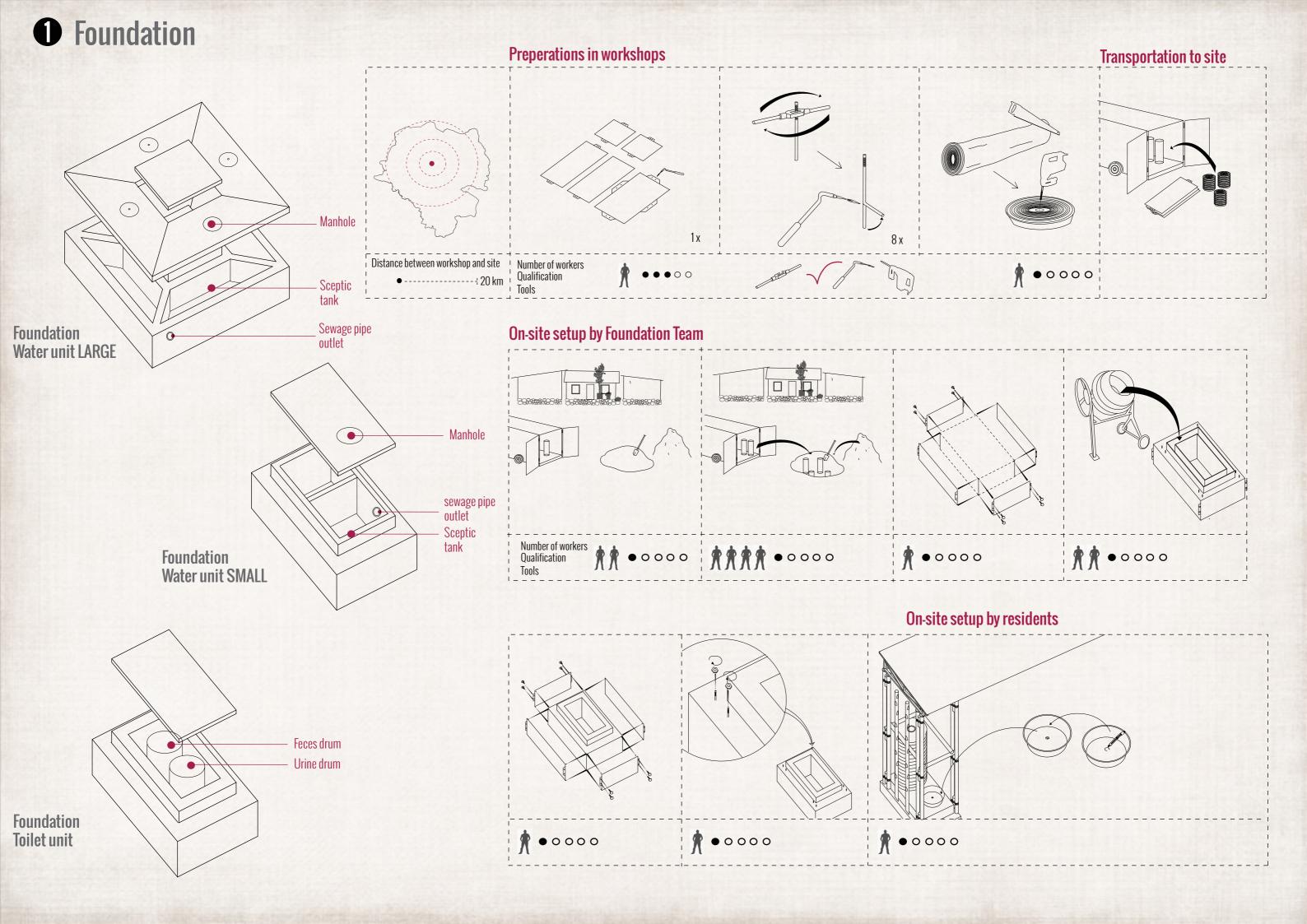


Water unit small

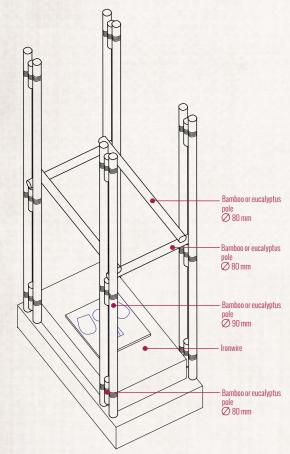


Water unit big

| Possible structures | | | | | | |
|---------------------|---|-----|----------------|---|-----|-------------------------|
| Toilet unit | X | XXX | X X X X X X | | XXX | XXXXXX XXXXX XXXX |
| Water unit small | X | XXX | | | XXX | XXXXX |
| Water unit big | | | XXX | X | | |

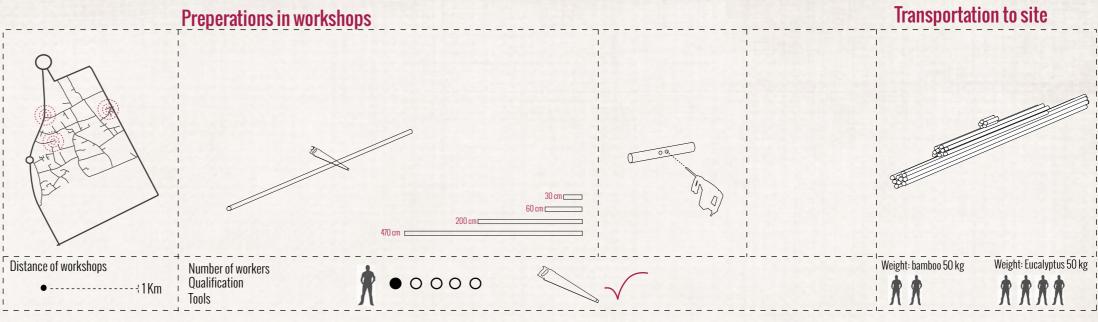


2 Bamboo/Eucalyptus structure

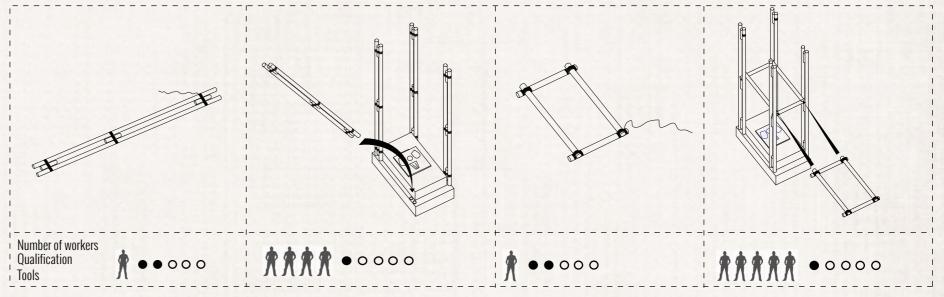


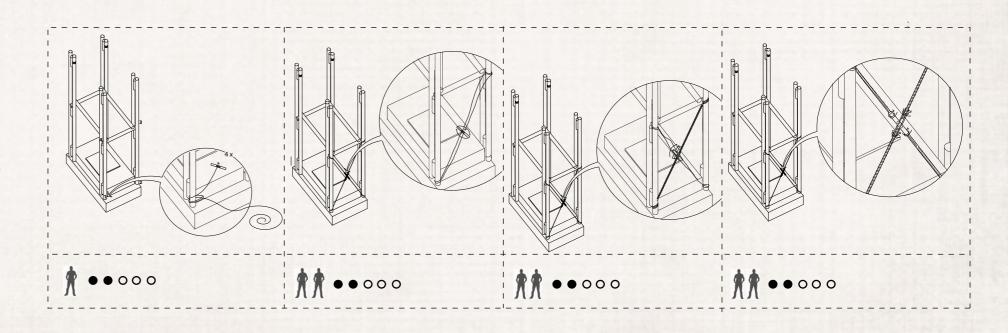
Distance of workshops **Courtyard side**

Street side

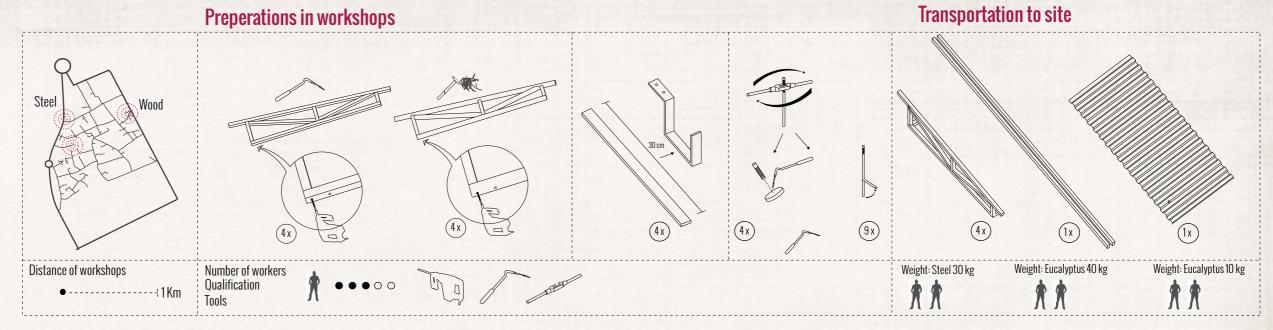


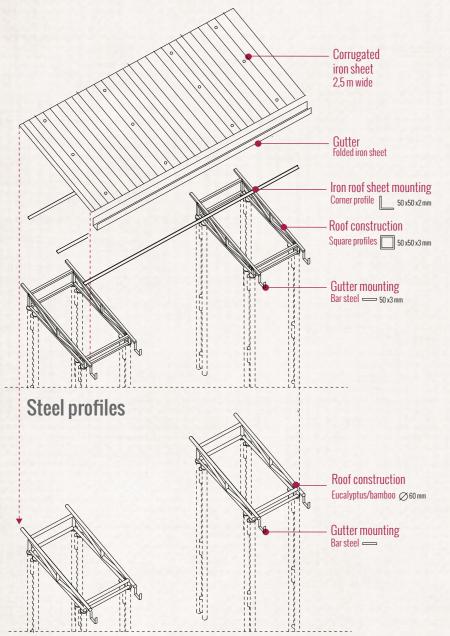






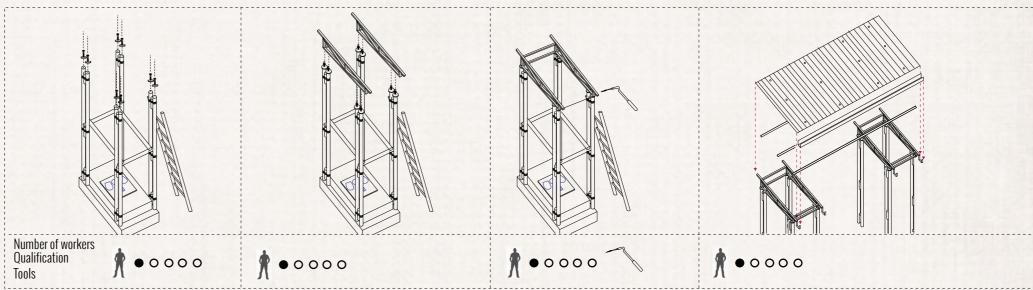




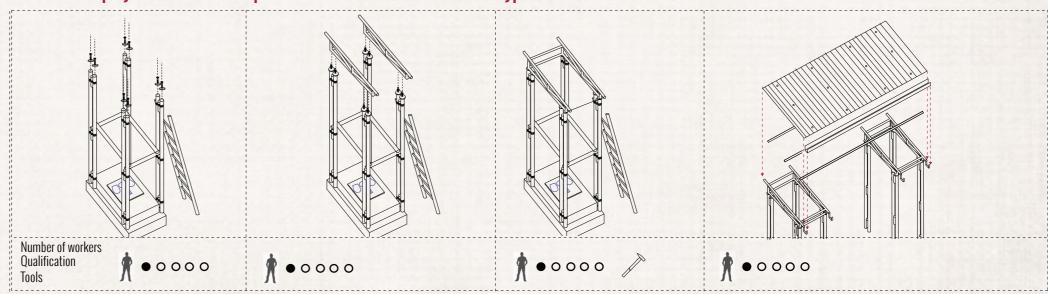


Bamboo / Eucalyptus

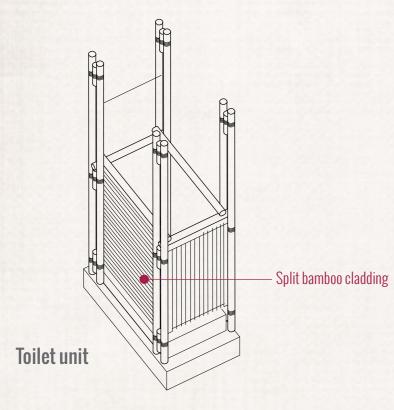
On-site setup by residents of compound association (steel roof construction)

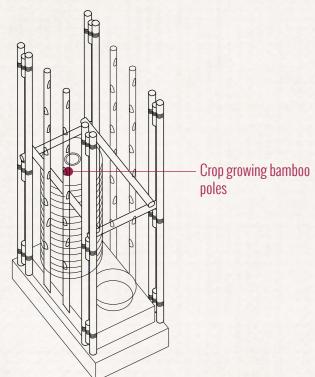


On-site setup by residents of compound association (bamboo / eucalyptus roof construction)

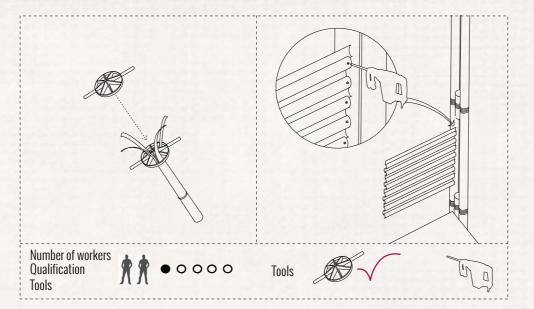


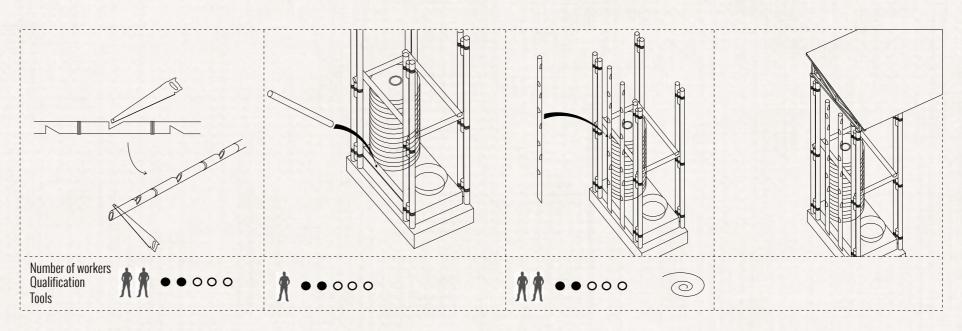
3 Facade





Water unit





4 Infill

