Two sides can interact and communicate with each other. One side can be active and busy, the other side can be more scenic.

**INFRASTRUCTURE - maintaining axis point of travel at the site**
- parks/squares at connecting areas

**GREENHOUSE ACTS AS A SCREEN IN FRONT OF THE HOUSES TO REDUCE TRAIN NOISE. CONTAINS A CAFE AND FOOD PRODUCTION.**

**PUBLIC PARK**
- **PUBLIC GREENHOUSE**
- **MAIN BOULEVARD**
- **PEDESTRIAN STREET**
- **COMMERCIAL ZONE**
- **RIVERWALK**
- **AMSTEL RIVER**
- **COMMUNITY FARMING PLOTS**
- **PUBLIC AMPHITHEATRE**

**HOUSING MODULES**
- plot of land
- building plot
- basic module
- entrance
- gallery

**HOUSE TYPES**
- 5x4
- 60M2
- 60M2
- 50M2
- 70M2
- 70M2
- 95M2

**INFIL VS SPRAWL**
- Infil as a sustainable density

**PROBLEM STATEMENT**
- Cities are expanding to accommodate human desires for large living and outdoor spaces having detrimental environmental, social and economic impacts resulting in urban sprawl. Today, an increasingly urbanizing planet is merging into ‘mega regions’ making future urbanisation almost unstoppable. Over the next 40 years the world’s largest cities will merge into ‘mega regions’ making future urbanisation almost unstoppable.

**RESEARCH QUESTIONS**
- What level of densification is necessary to counteract urban sprawl?
- Can a new typology of shared living, provide a solution to a changing demographic and the issue of densification?

**GOAL**
- The graduation project will aim to work out the most efficient form of density which responds to the problem of urban sprawl by creating a self-sufficient site whereby residents can reach all their immediate needs within a close proximity. Urban functions are inserted into the blocks to activate the blocks.

**URBAN CONCEPT**
- Perimeter blocks are bordered by commercial functions acting as a buffer to the train line.
- Private programme at the centre is to be accessed only by the residents.
- Semi-Public Blocks encourage public activity with internal thoroughfares flowing through the blocks.
- Closed Blocks offer commercial facilities.

**SERVICES INTEGRATION**
- Water drainage and collection
- Sewage
- Ventilation supply and exhaust

**SERVICES INTEGRATION**
- Precooled ventilation
- Preheated ventilation

**FACADE ELEVATION 1:20**
- Facade fragment 1:20
- Facade section 1:20