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THE GRADIENT

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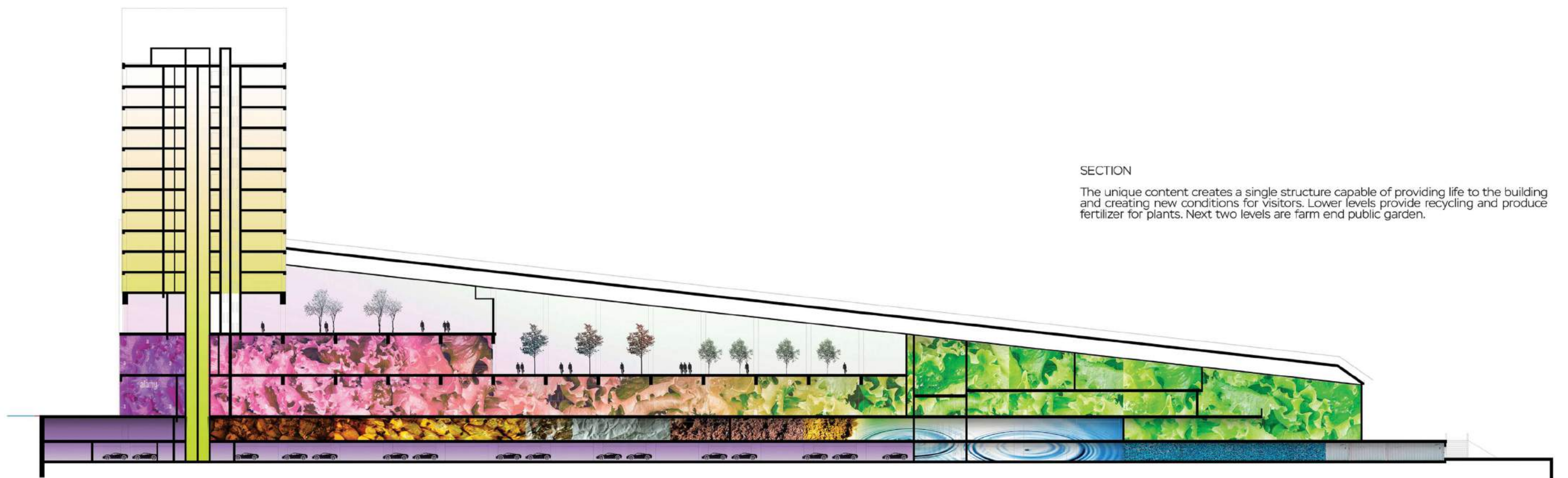
Can we give a new life to the existing building, rethink its use and fill it with functions to maintain the environment and balance in the city? We decided to rethink the parking building and turn it into an environmentally friendly structure that could function not only as a self-sufficient body, but also an important driving force for the development of the city.

Our concept is to fill the parking lot with features that will partially solve environmental problems with waste recycling and disposal. A new formed structure functions harmoniously as a single organism integrated into the urban environment. Transformed parking levels form peculiar systems where the waste is converted into materials for reuse.

The first level of the parking lot partially retains its original function. There are now tanks for used water collected from offices, as well as rainwater from the roof. Here it is cleaned in the filters. In the future, it will be reused as a technical or for watering plants. This level also includes collection facilities for plastic and waste from offices and adjacent buildings that are not recycled in this structure. These wastes are shredded and compacted for convenient and fast further transportation by special services for disposal at waste processing plants. The server rooms, electric generators, and sorting and storage facilities for farm-grown plants and fruits are also located on this floor. From here, the products will be immediately exported for sale in the local stores.

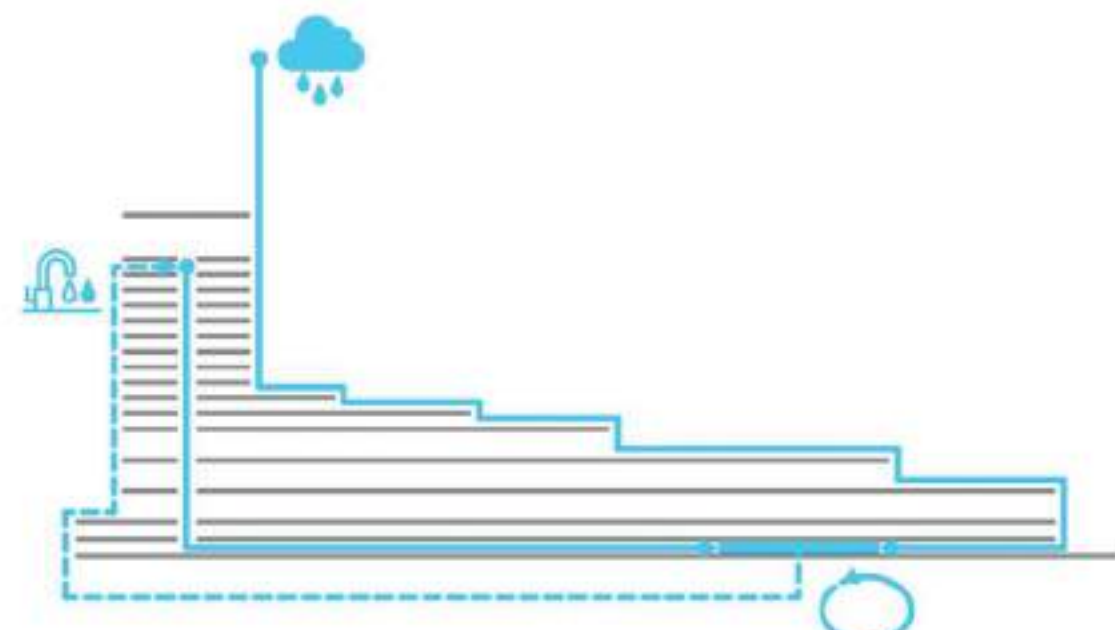
All used paper products are sorted, cleaned, recycled and can be used for a new paper production. Organic waste from all office premises reaches the second level of the building, where it is composted with special technology. As a result, formed organic materials can be used as the fertilizer for the plants. Other wastes from the recycling process end up in special tanks and are ready for export and further disposal.

The third level - urban farm, which as the sun's rays form a kind of gradient of plants (mosses, grasses, root, crops etc.). Plants will provide shade, cool and filter the air, produce oxygen and absorb CO2. A huge part of our farm is a community gardening accessible to the public, providing space for citizens and office staff to cultivate plants for food or recreation. Many ornamental plants, edible plants and fruit trees will be grown here. Thus, we not only create a green urban oasis for recreation and oxygen saturation, but also contribute to the economy and future development of the city.



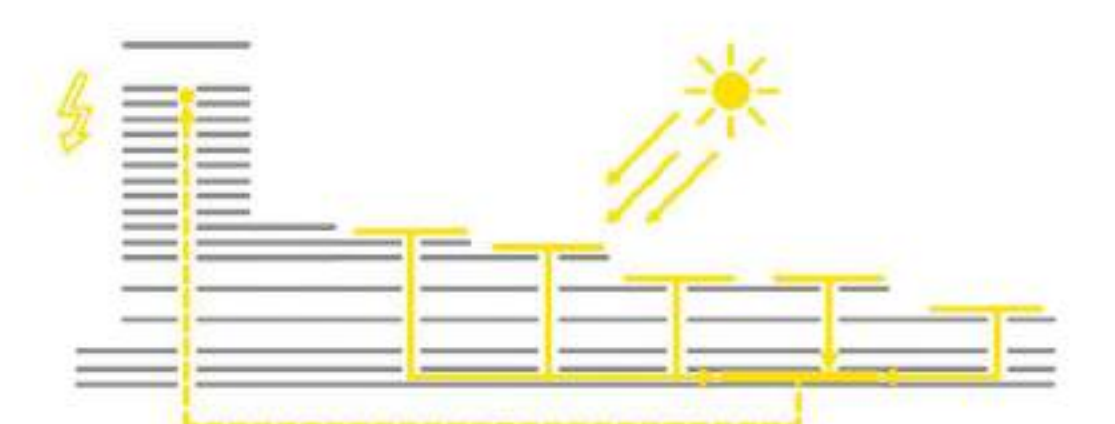
SECTION

The unique content creates a single structure capable of providing life to the building and creating new conditions for visitors. Lower levels provide recycling and produce fertilizer for plants. Next two levels are farm and public garden.



THE CYCLE OF RAINWATER AND USED WATER FROM OFFICES

Collection, purification and reuse of water for any needs of the building. Filtration could separate water into the drinking water reservoir or household water treatment. The last method will provide watering of the farm, garden and roof public square.



SOLAR ENERGY

The generation of solar energy will supply passive heating and conditioning, lights and appliances in the office.



SEWAGE WASTE RECYCLING

Collecting and recycling sewage waste will provide fertilizer and watering for farm plantations as well. Reservoirs are divided into liquid and solid waste.



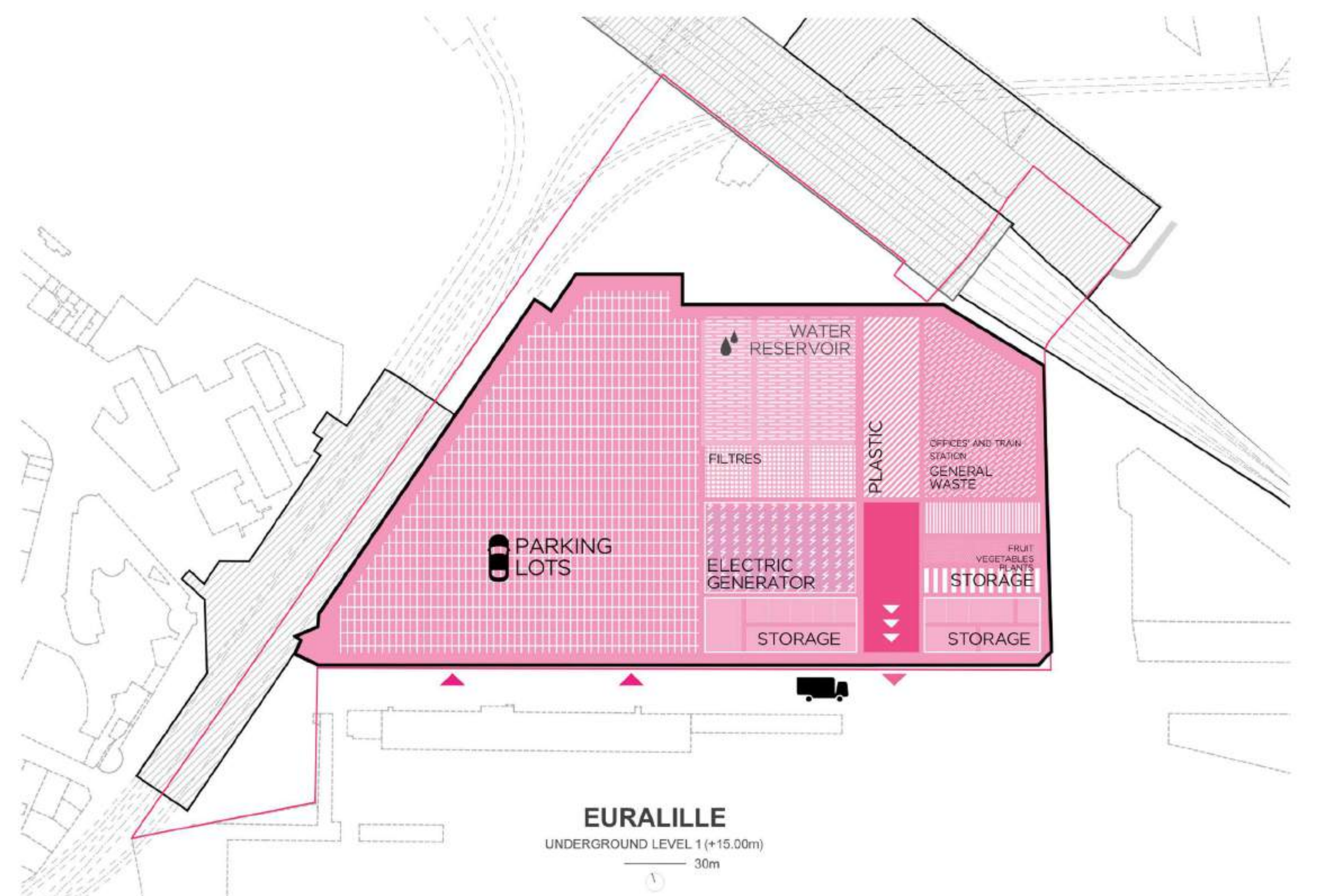
OFFICE PAPER RECYCLING

Paper waste can be recycled into paper for reuse in the same building.



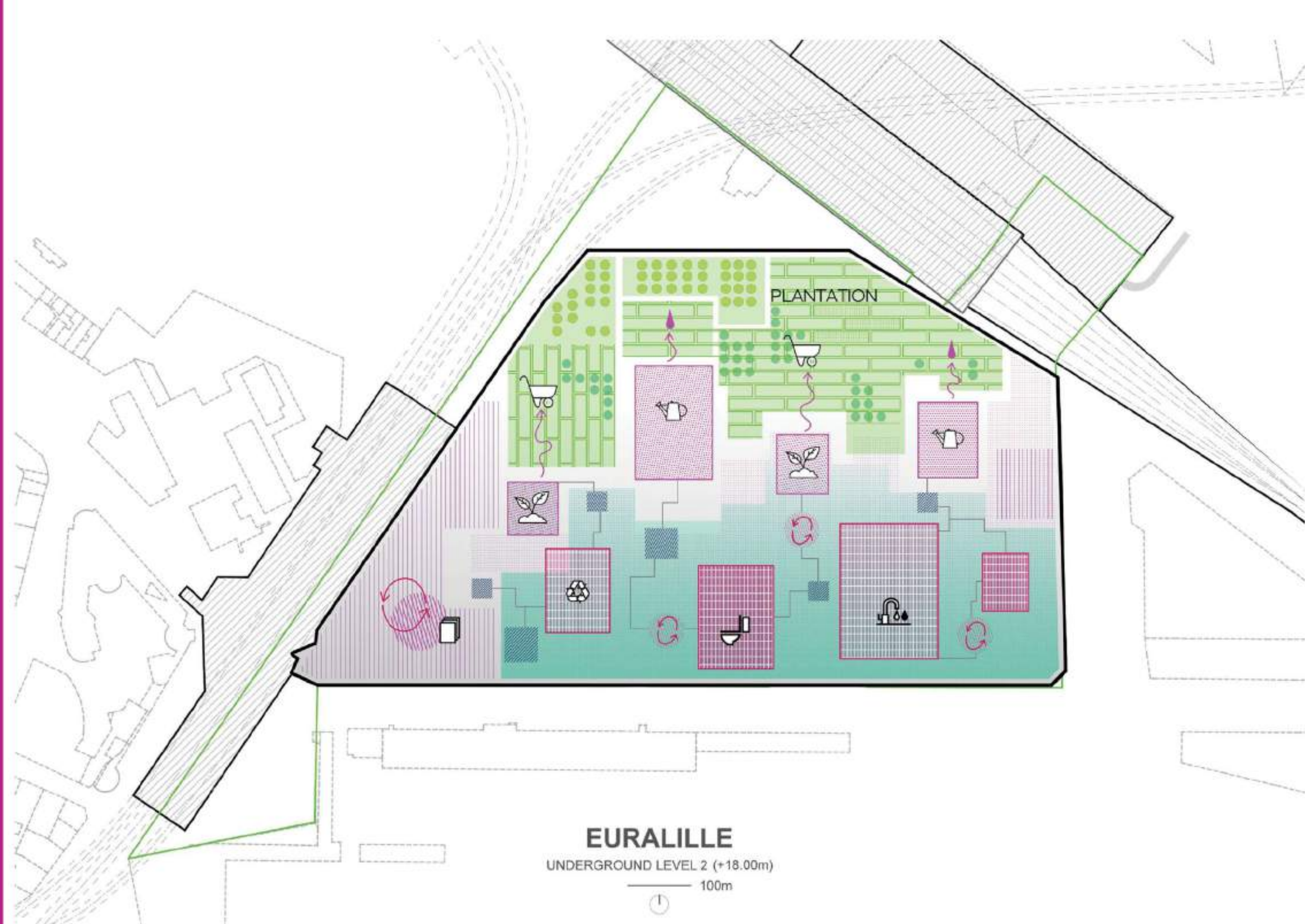
ORGANIC WASTE RECYCLING

Collecting and recycling of organic waste will provide fertilizer for own plantations or export to another production.



EURALILLE
UNDERGROUND LEVEL 1 (+15.00m)

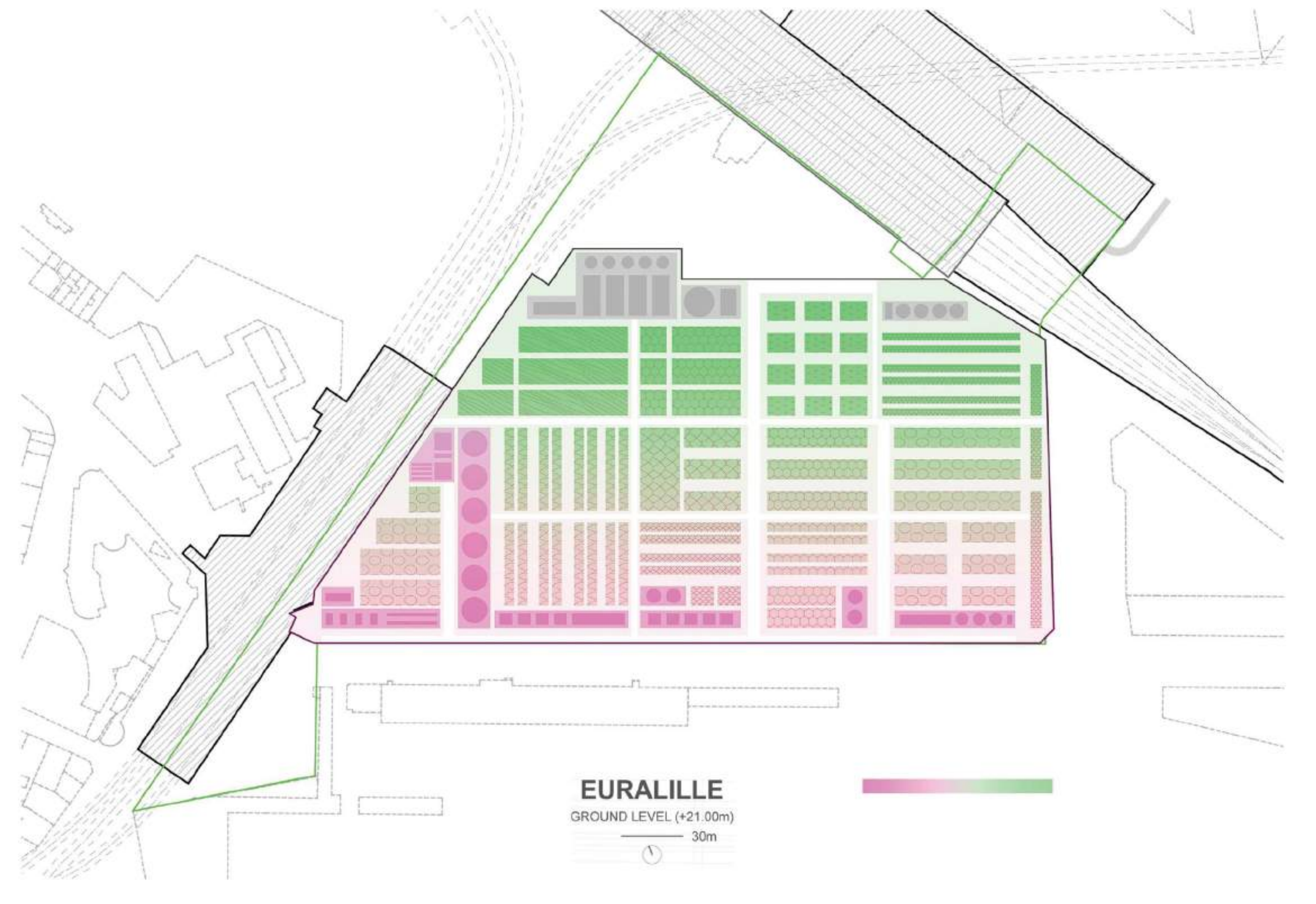
30m



EURALILLE

UNDERGROUND LEVEL 2 (+18.00m)

100m



EURALILLE

GROUND LEVEL (+21.00m)

30m