BANK OF MAAS



The Bank of Maas is a building which aims to provide Rotterdam with productive resources necessary to the functioning of a modern day city. Along with the growth of the sharing and on-demand economy, in line with the ongoing Ownership-to-Access shift, the Bank of Maas is an urban typology made to accommodate the maker (and the city) of the future.

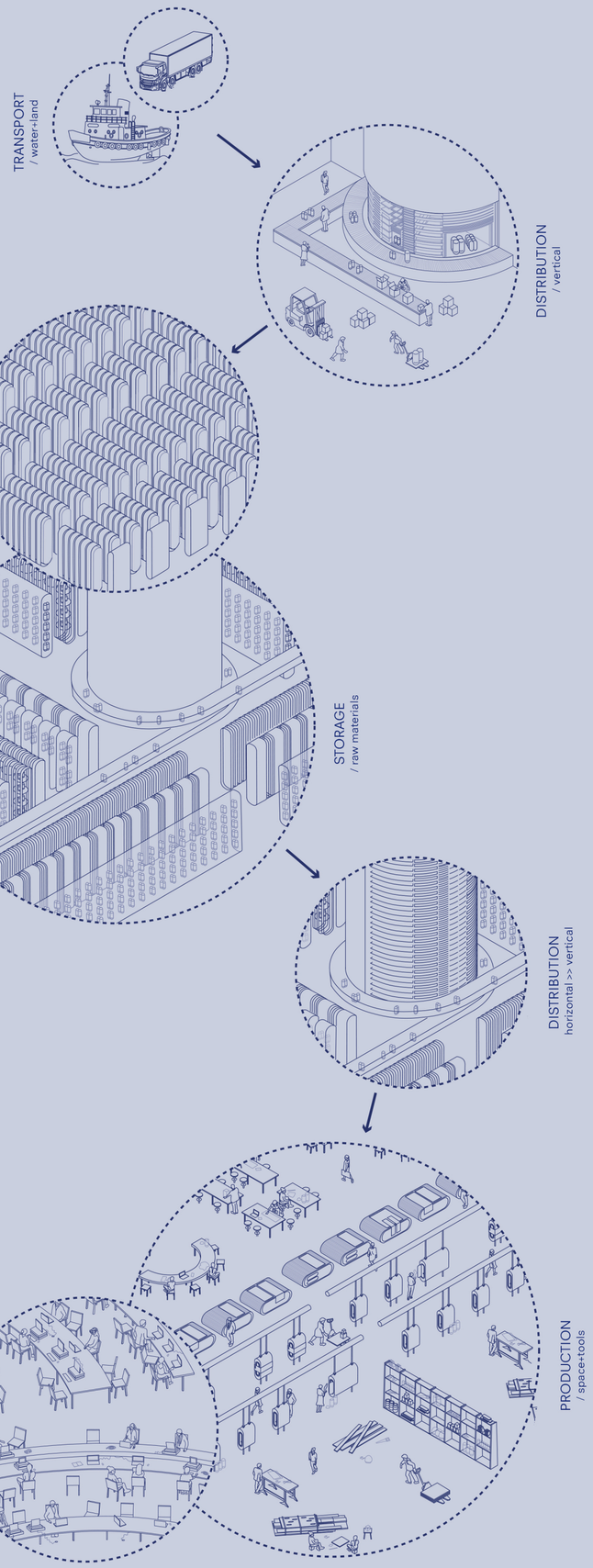
In the Bank of Maas, productive resources are primary resources (raw materials+data) and production tools (for physical+digital production). The building is both a storage and production space. The **storage** contains a distribution area, a data center and an automated storage for raw materials. The **production** area contains working spaces and tools, needed for manipulating raw materials and data. It provides digital manufacturing tools (such as 3d printers and CNC machines), manual tools and equipped working spaces. When it comes to digital production, the Bank contains high capacity computer hardware which can be used for the making of video games, computer generated images, mobile applications, videos etc.

The production space operates as an interface, mediating between stored resources and the city.

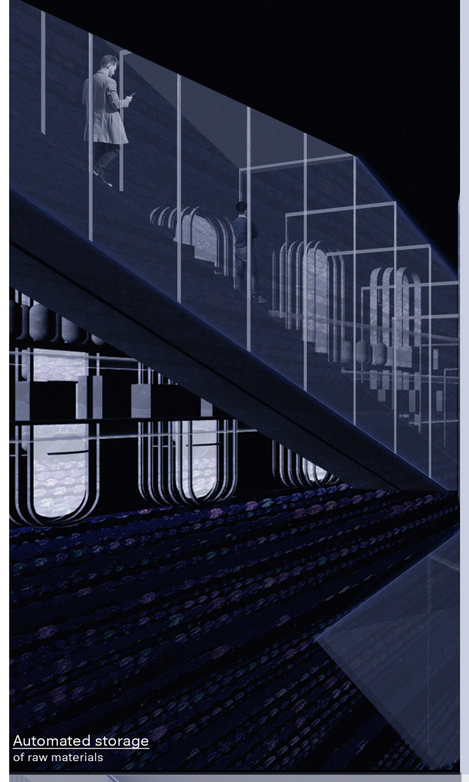
Immersive experiences fostering change

The building acts as a screen, showcasing the productive resources and processes sustaining our cities, habits and practises. Whilst the facade is closed off, optimizing energy consumption and safety, parts of the interior are opening up and functioning as a continuation of public space. This is achieved with a publicly accessible pathway going through the data center and storage, towards a viewing platform on the 5th floor. The pathway offers a direct view into the storage while also projecting videos of the production processes on the walls and ceiling of the escalators, in this way a routing is created with a specific experiential and educational quality, which aims to inform the potential users and motivate them to engage with the building.

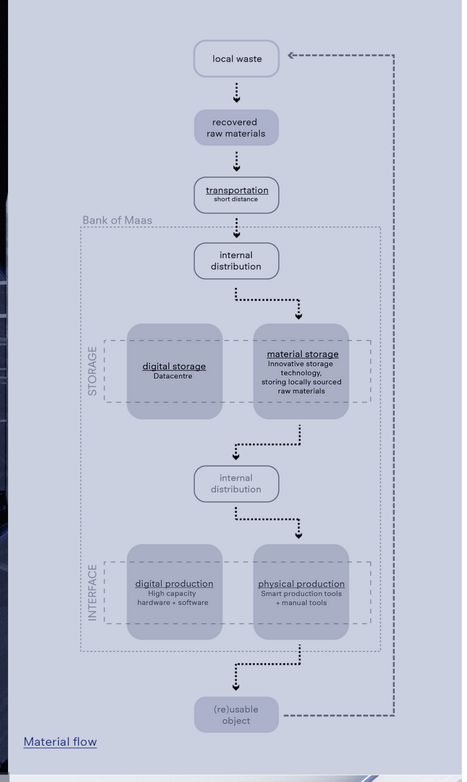
By being present in the inner city, the Bank of Maas aims to raise awareness of the hidden production processes and potentially change existing patterns of production and consumption. The project is seen as an experiment, imagining a future in which all cities exist as circular, productive, well connected bodies, facilitated with a network of productive resource banks.



The sequence



Automated storage
of raw materials

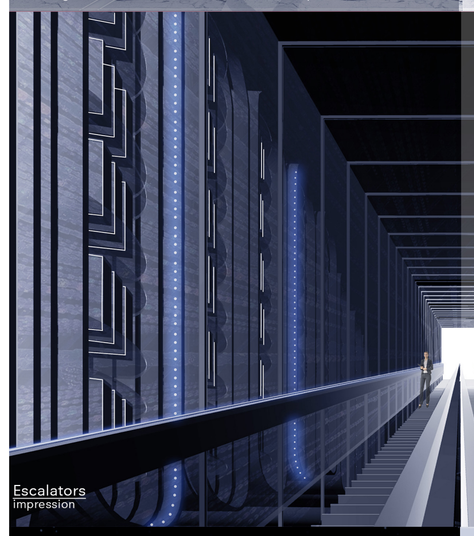


Material flow



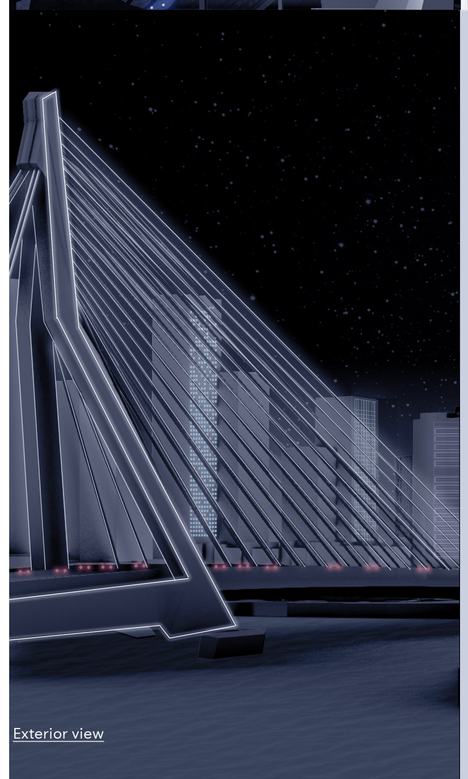
Production space/interface
mediating between the stored resources and the city



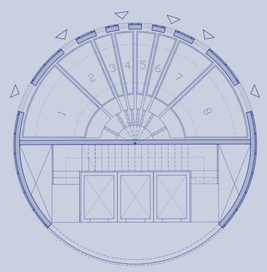


Escalators
impression

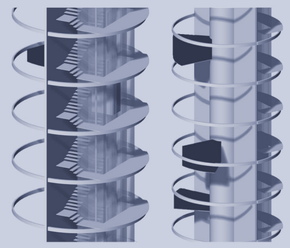




Exterior view

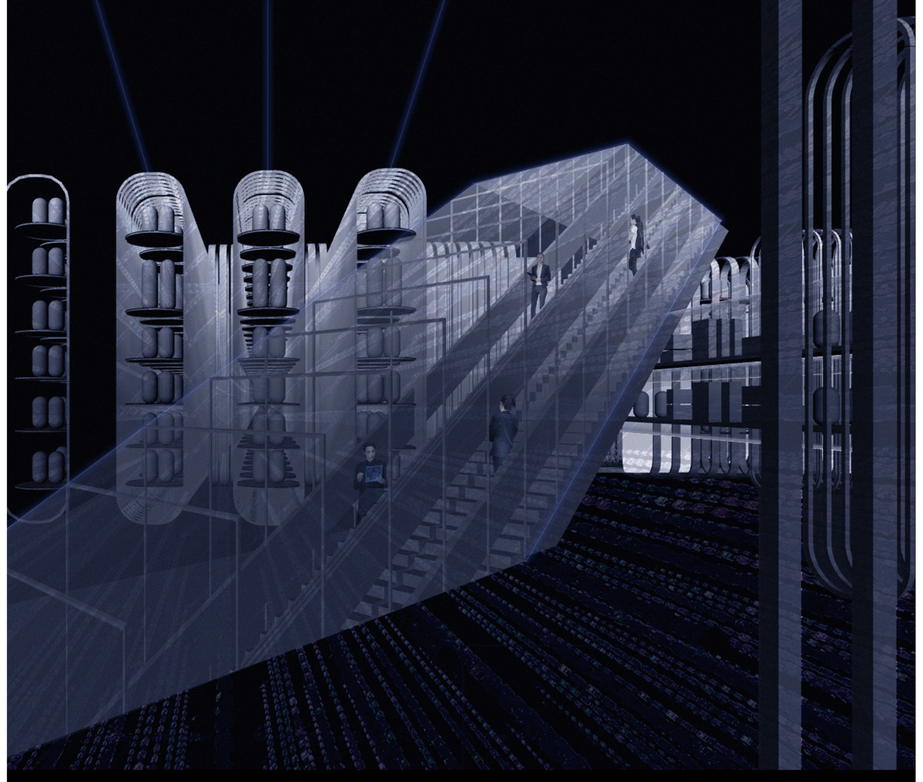


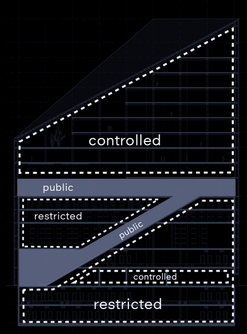
Human-to-machine
Following the logic of a vending machine, the central core connects to the storage and automatically carries orders to the interface.



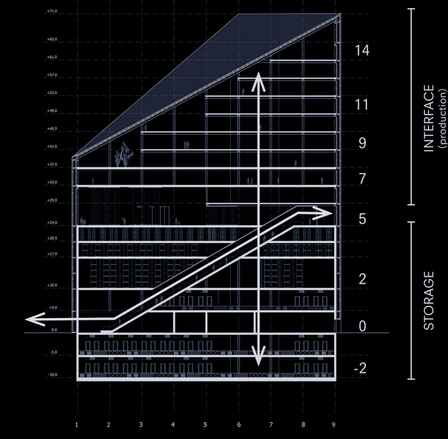
Circulation
Central core

Distribution
Central core

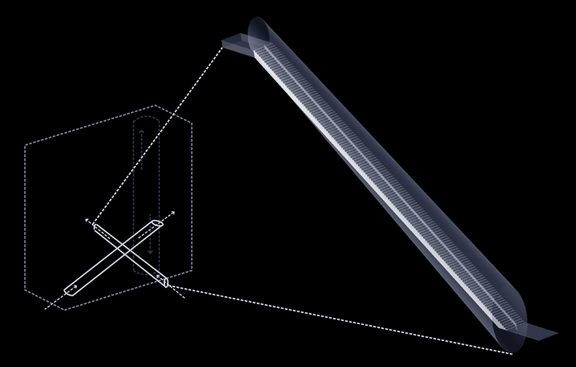


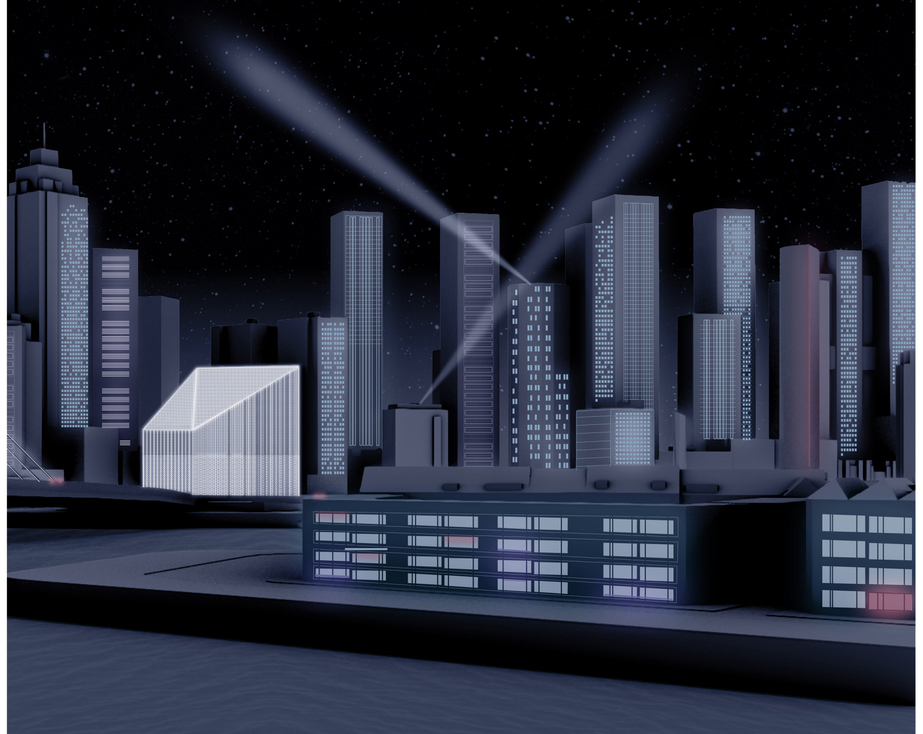


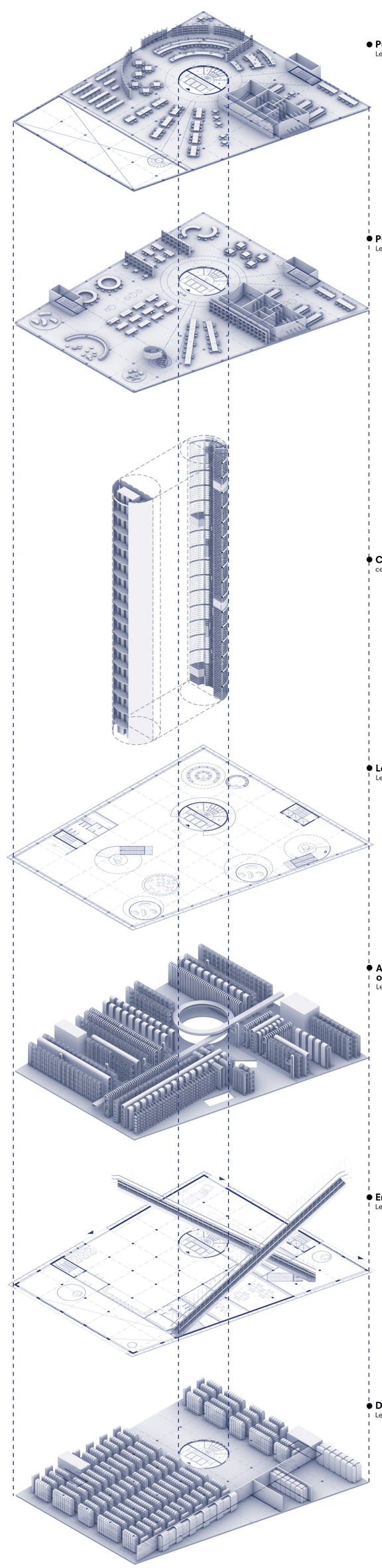
Publicly accessible pathway
going through the data center and storage, towards a viewing platform on the 5th floor.



Escalators
: functioning as screens, showcasing the resources and production processes sustaining our cities, habits and practises. The pathway offers a direct view into the storage while also projecting videos of the production processes on the walls and ceiling of the escalators, thus creating a unique immersive experience.







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