



illegal textile dump in Madrid



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The **textile** and **apparel industry** are one of the leading sectors in the **production of pollutants** at global scale.

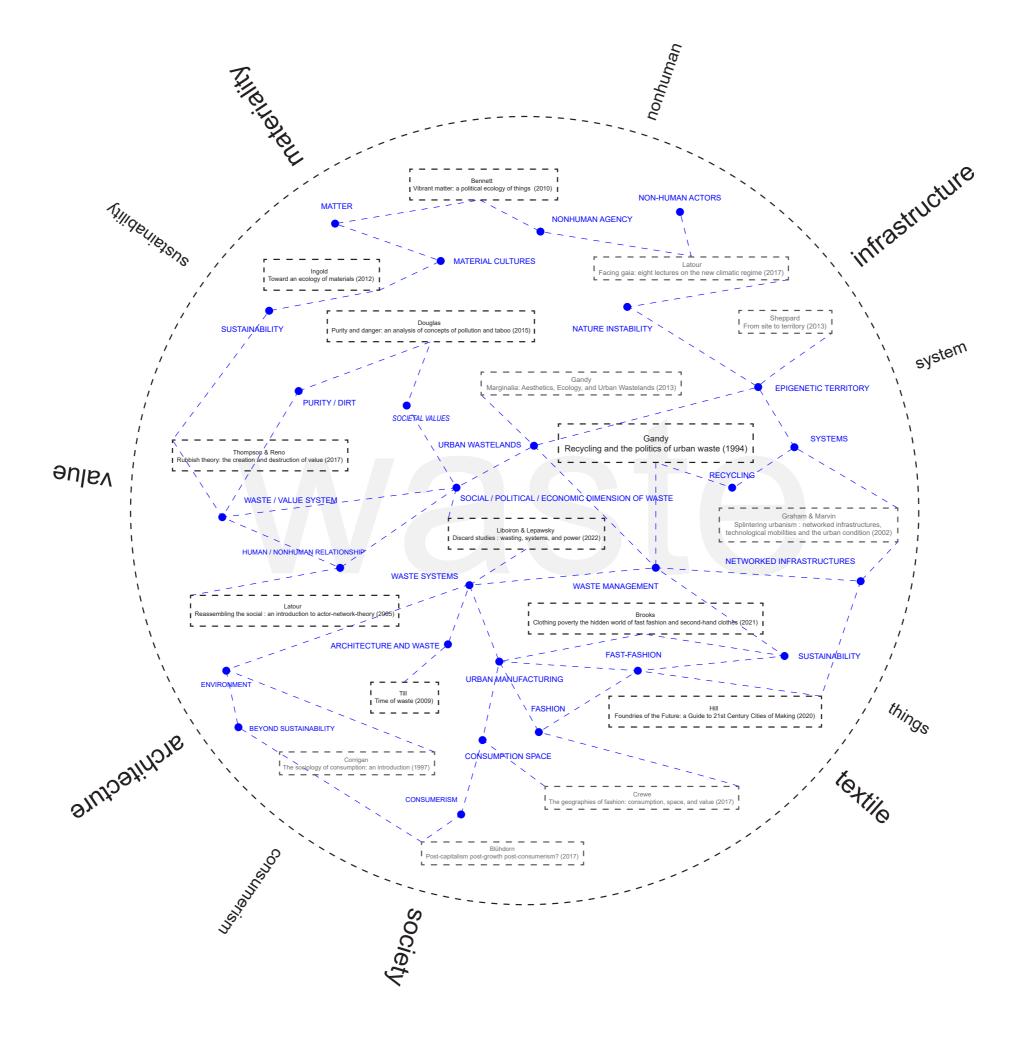
Textile industry is responsible for **10% of global carbon emissions**.

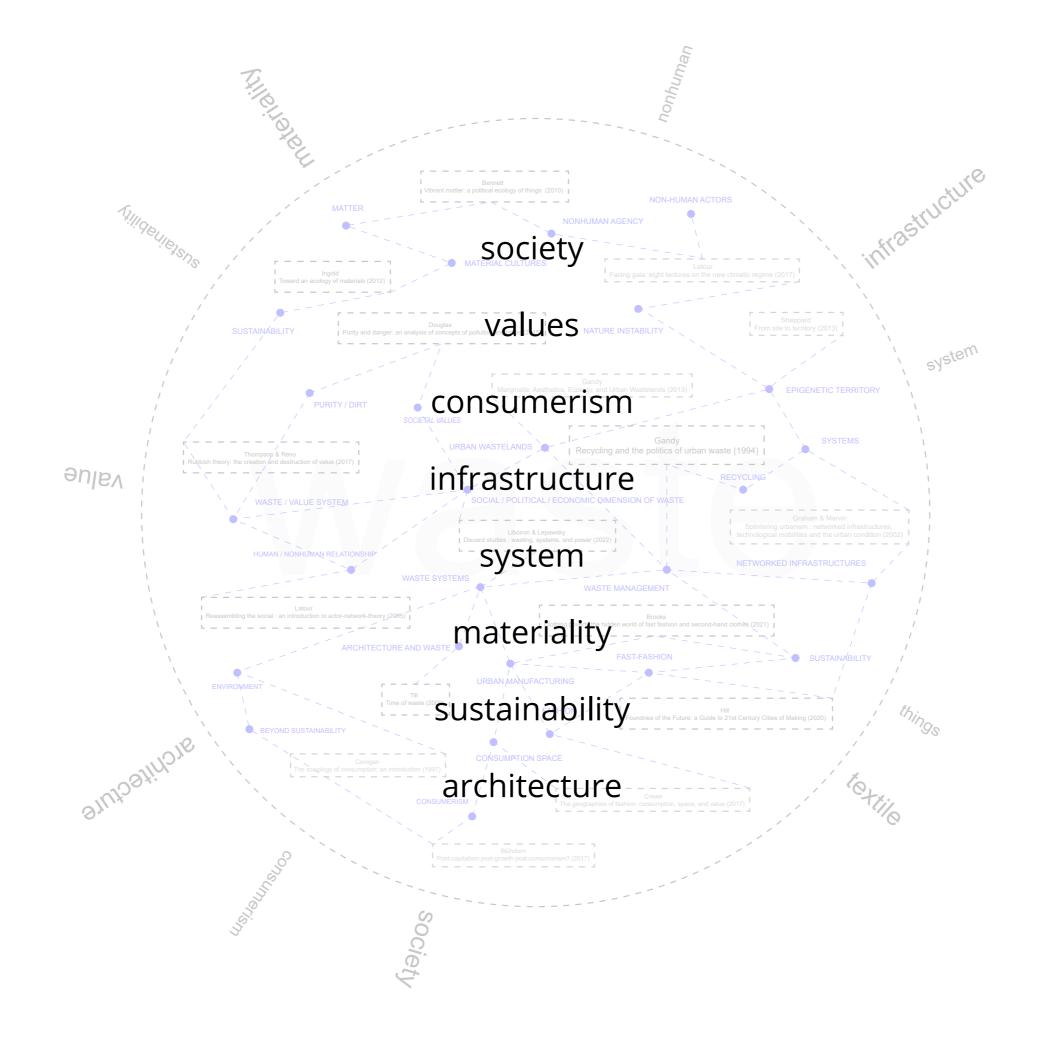
It discharges around **20% of global** wastewater.



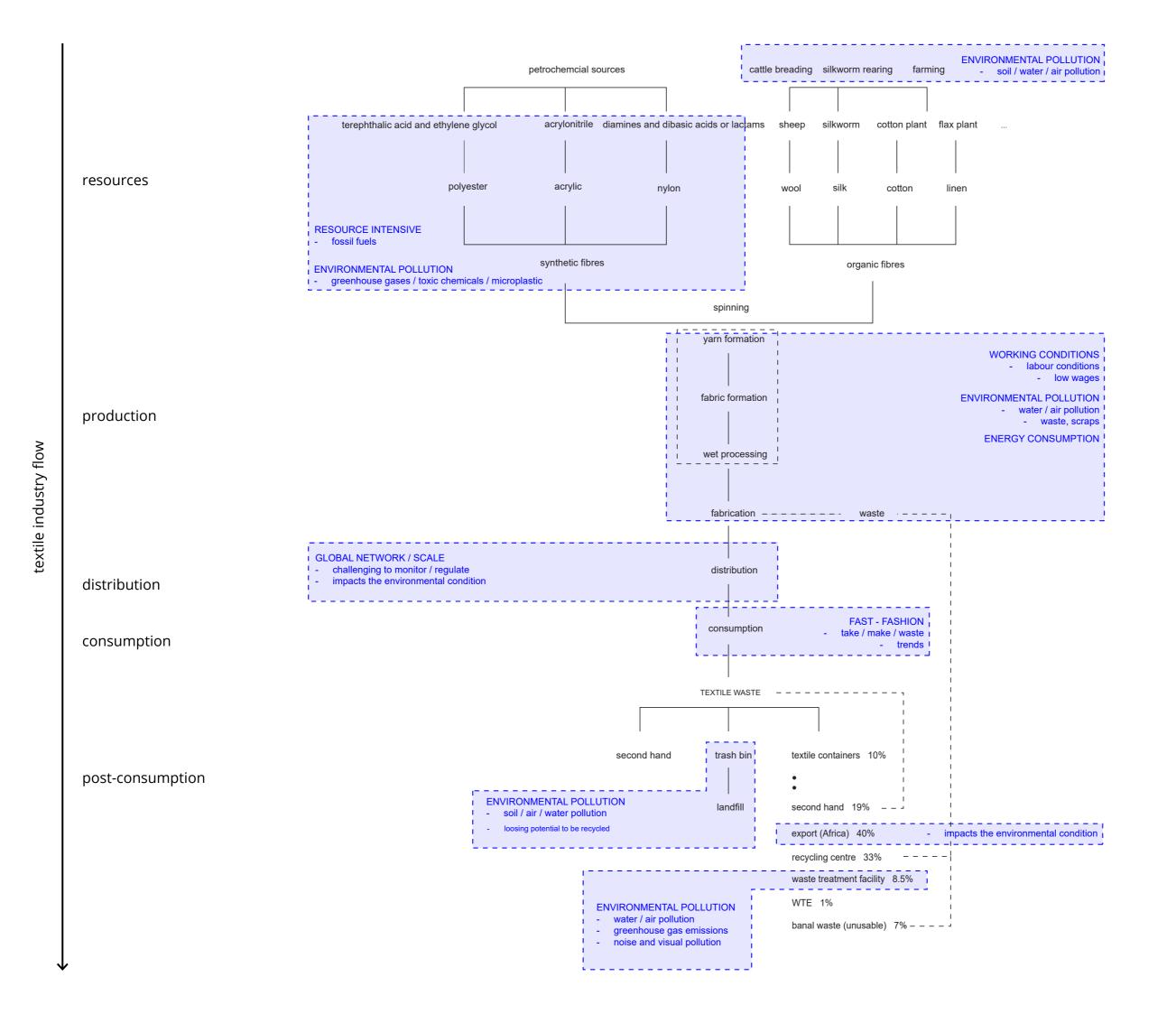
illegal textile dump in Madrid

In Madrid, **128.74 tons of textile waste** was generated in 2021. and **90%** of that ended up on the **landfills**.









environmental pollution
resource intensive practices
working conditions
energy consumption
global network / scale
fast-fashion

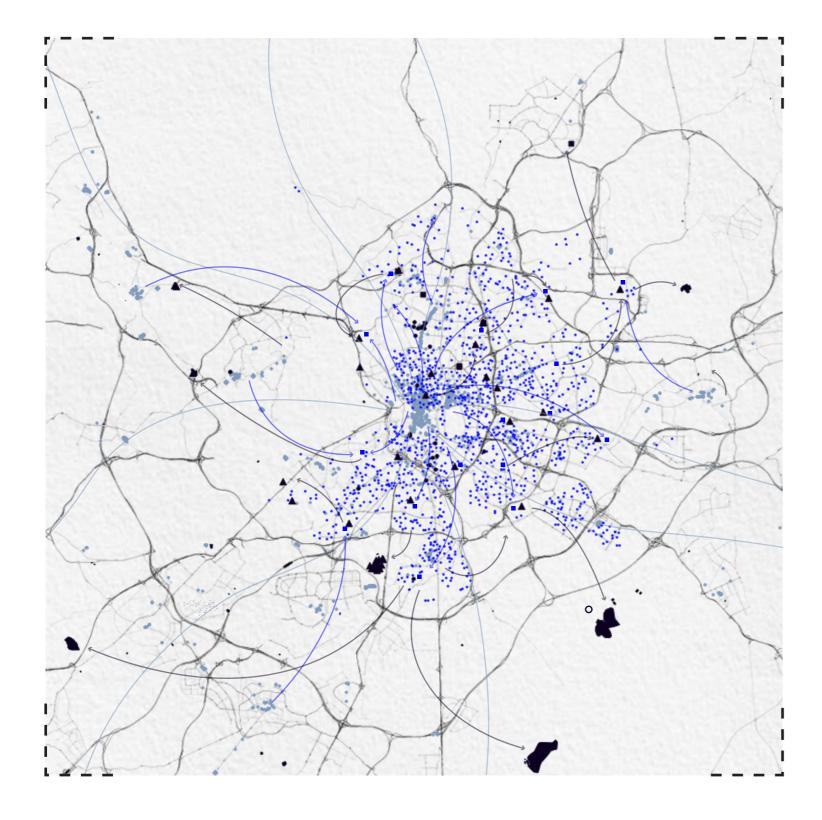
## environmental pollution

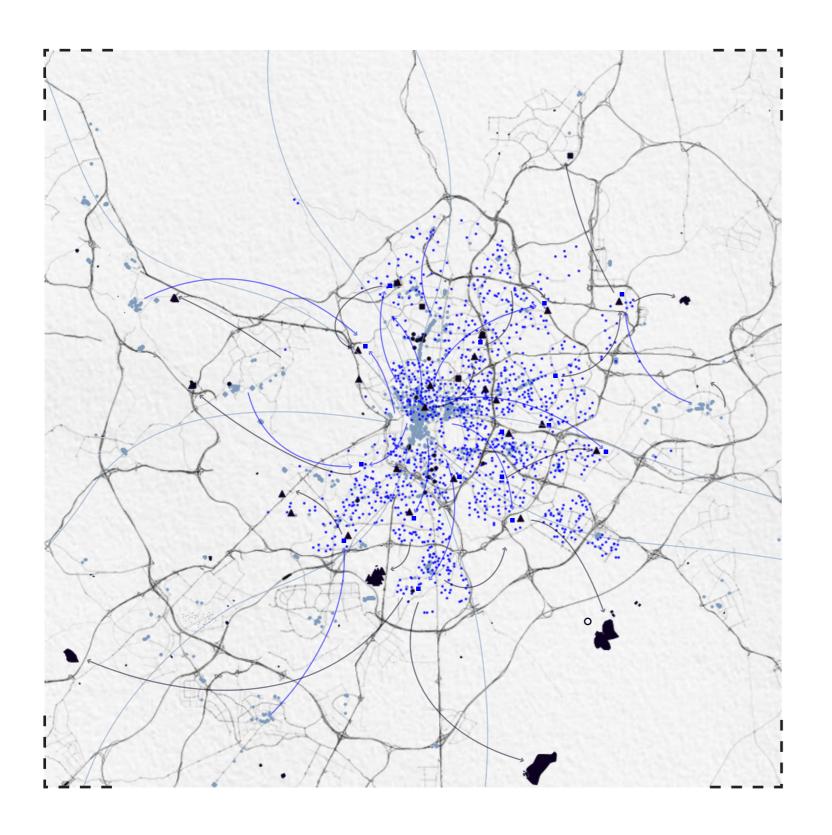
resource intensive practices

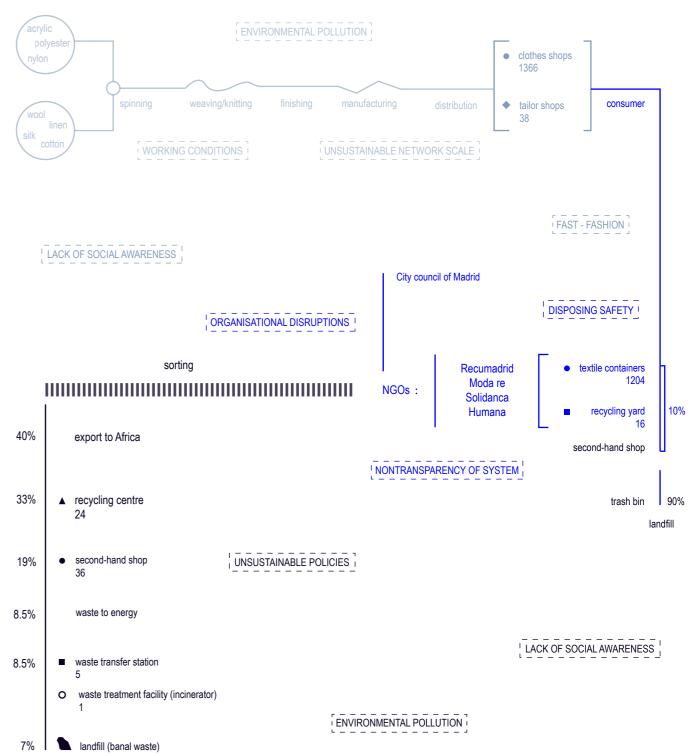
How can architecture act as an **incubator of the idea** of creating **more attentive relationship between humans and matter** by rethinking the **textile** (**waste**) **flow?** 

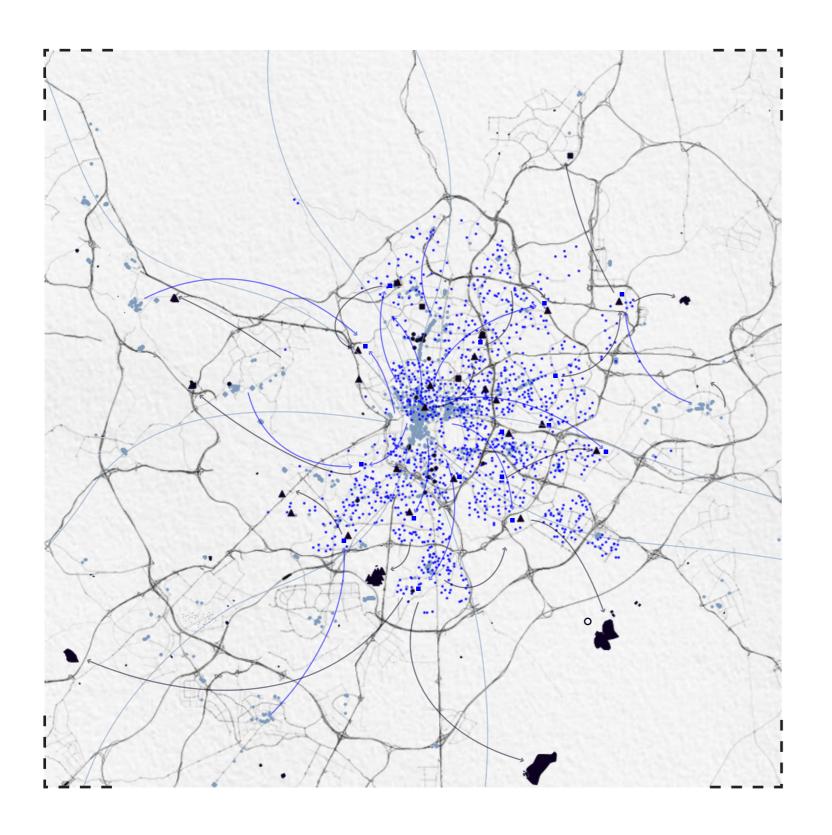
global network / scale

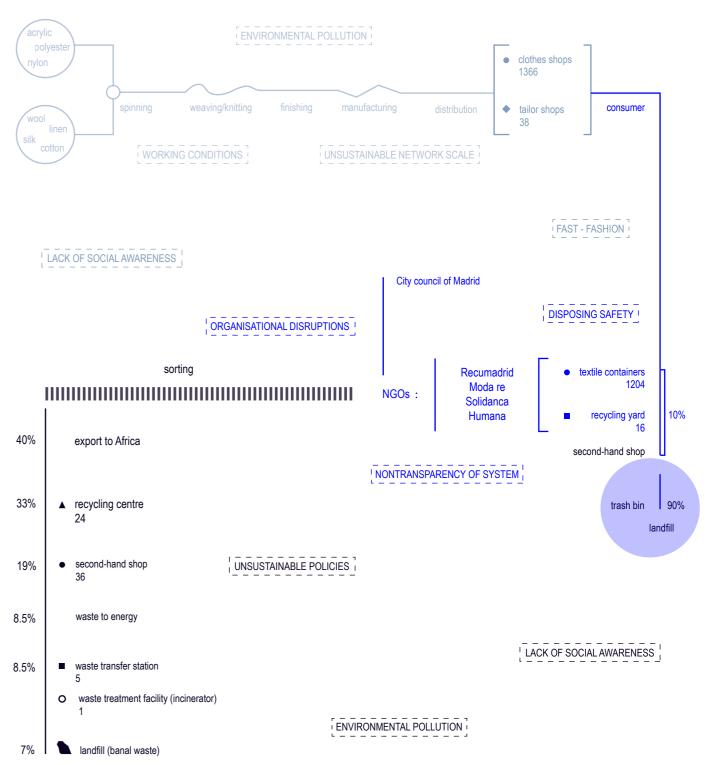
fast-fashion

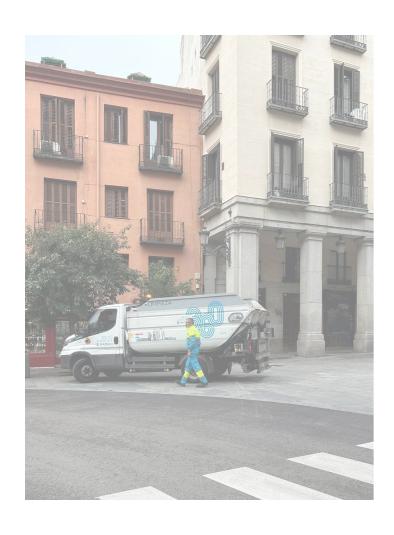








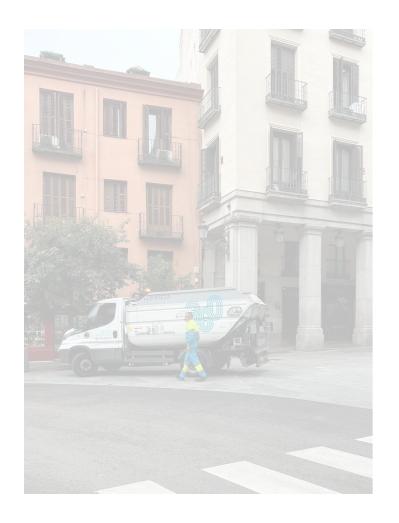






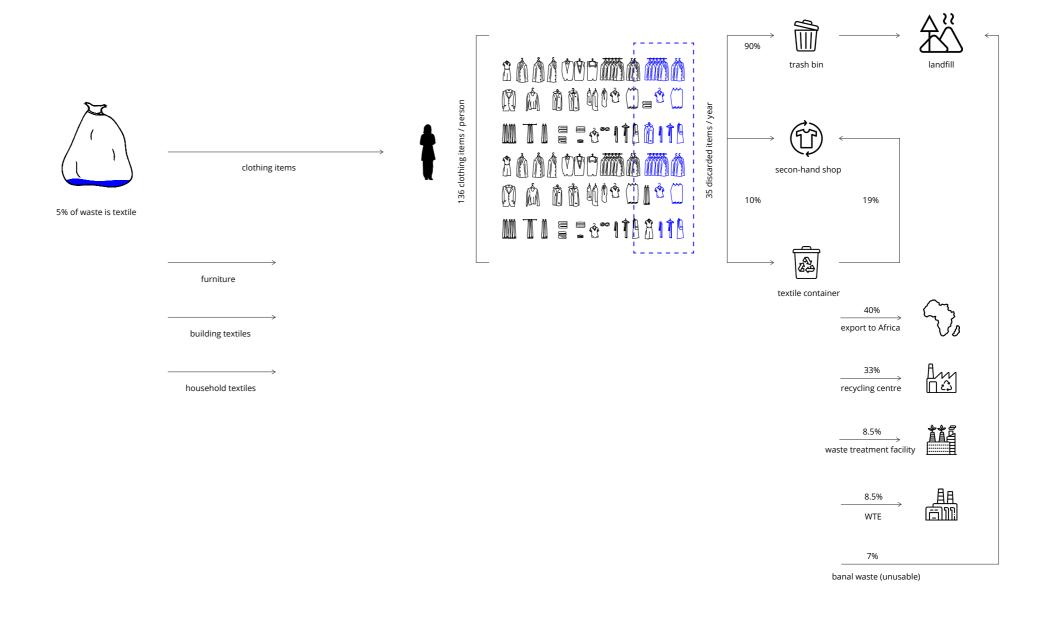






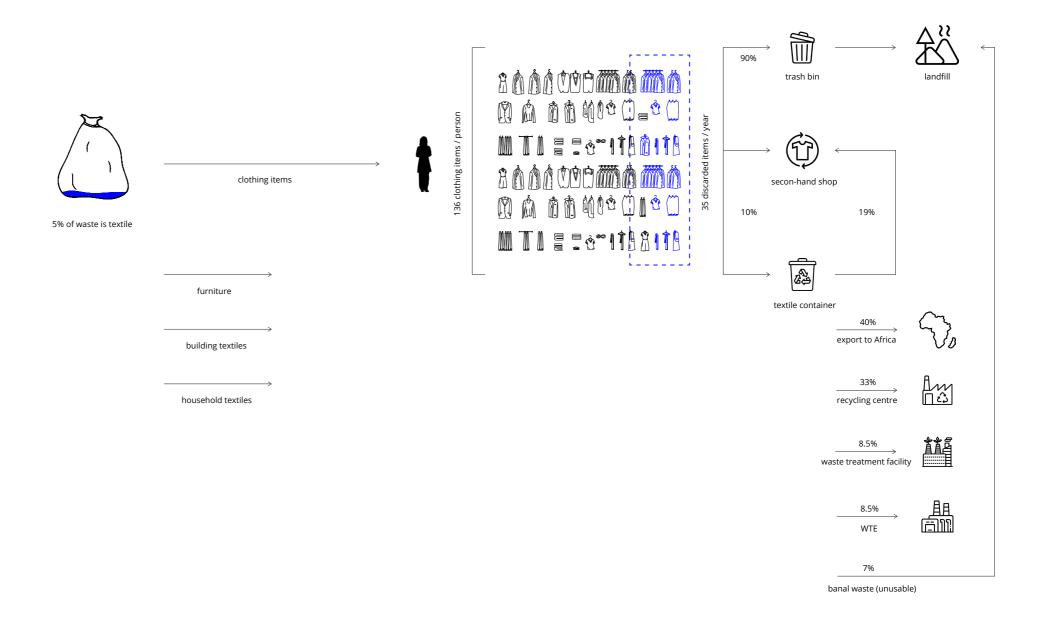






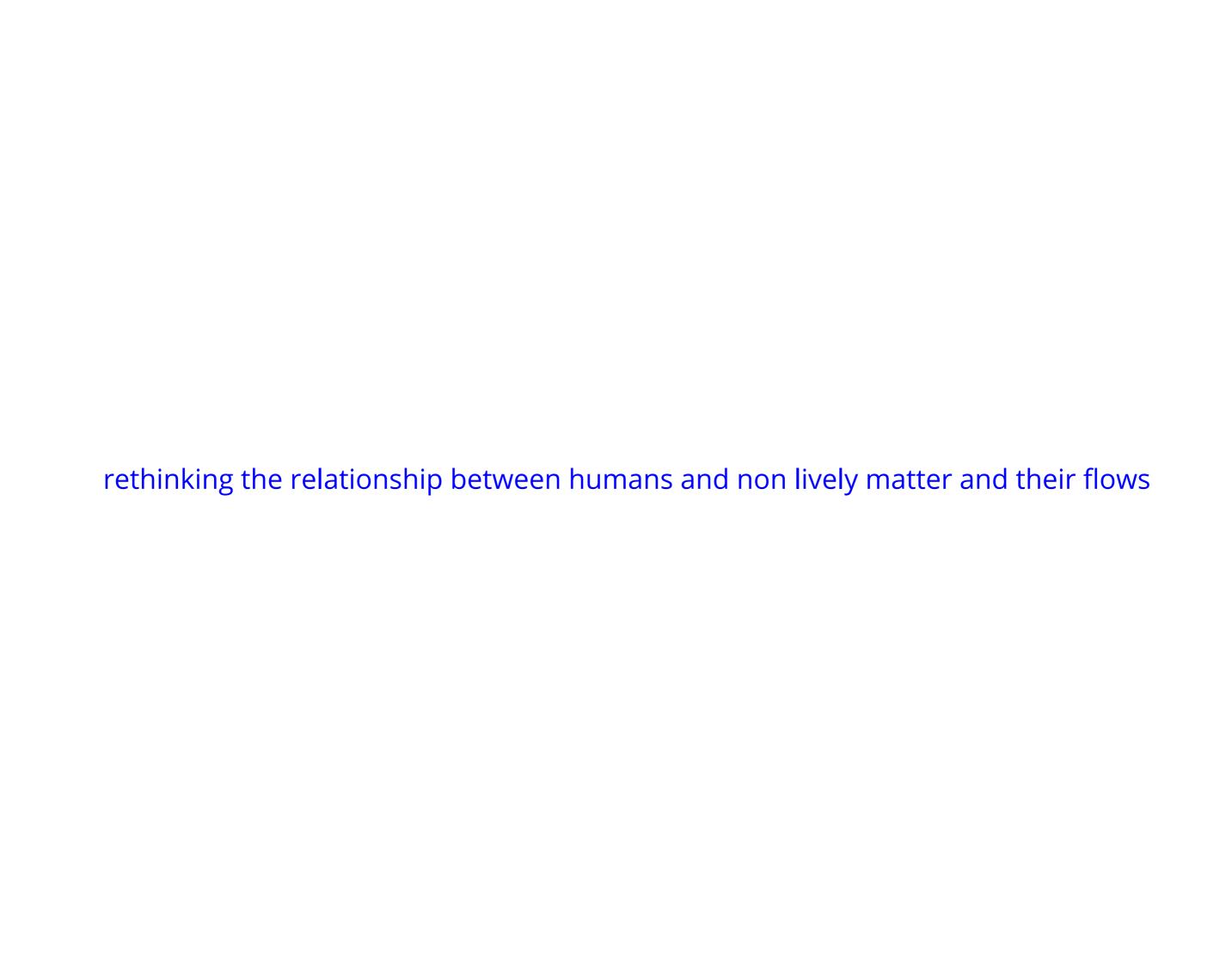
?

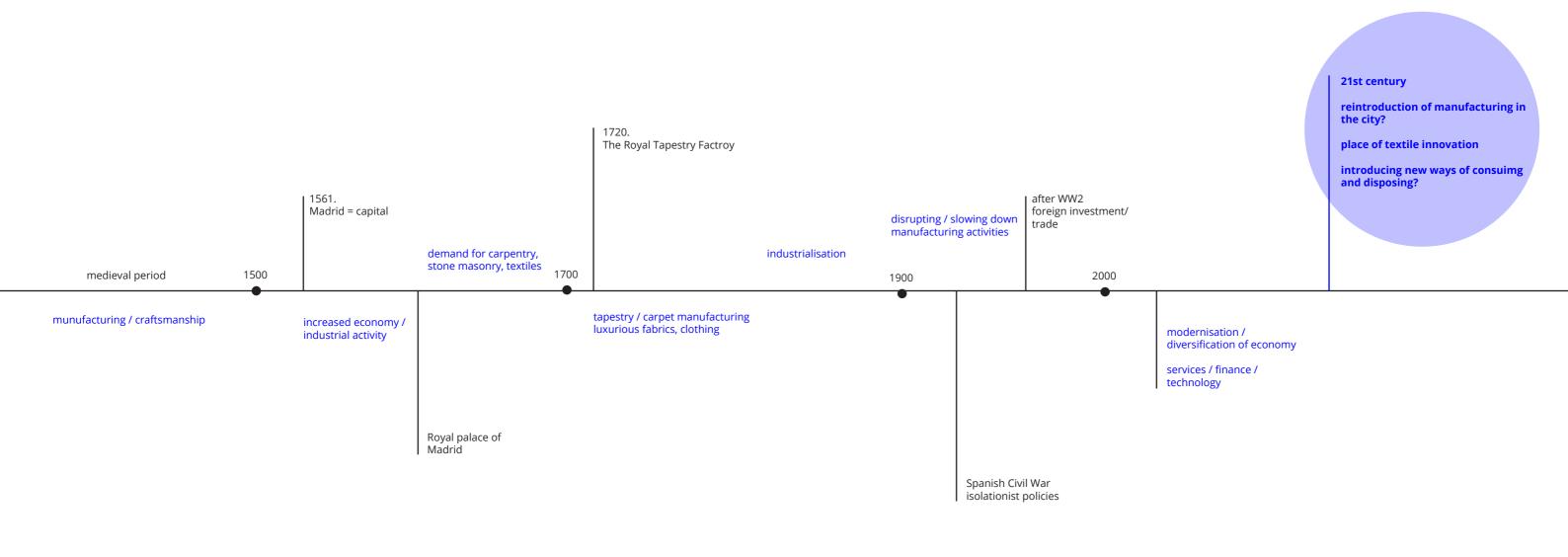
disrupting the system at the beginning



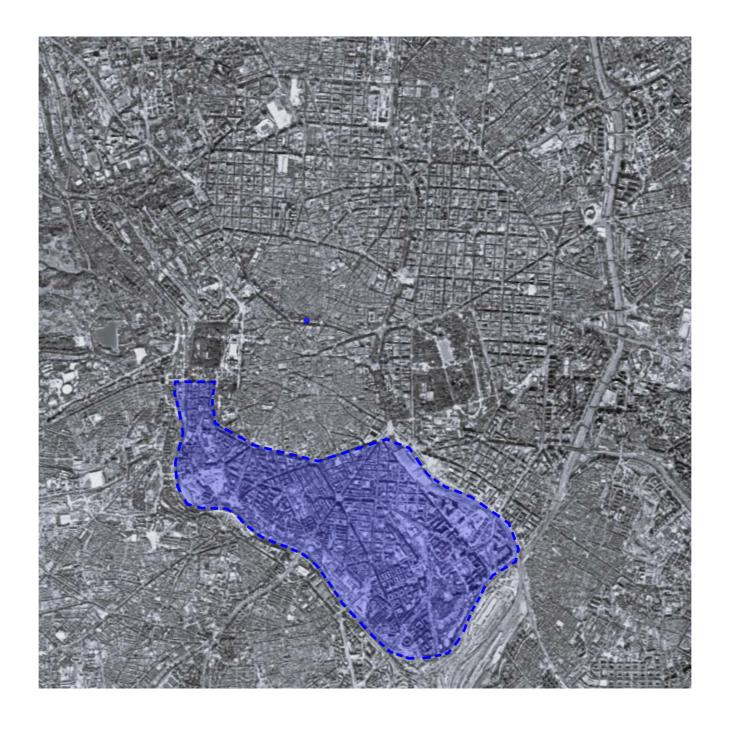


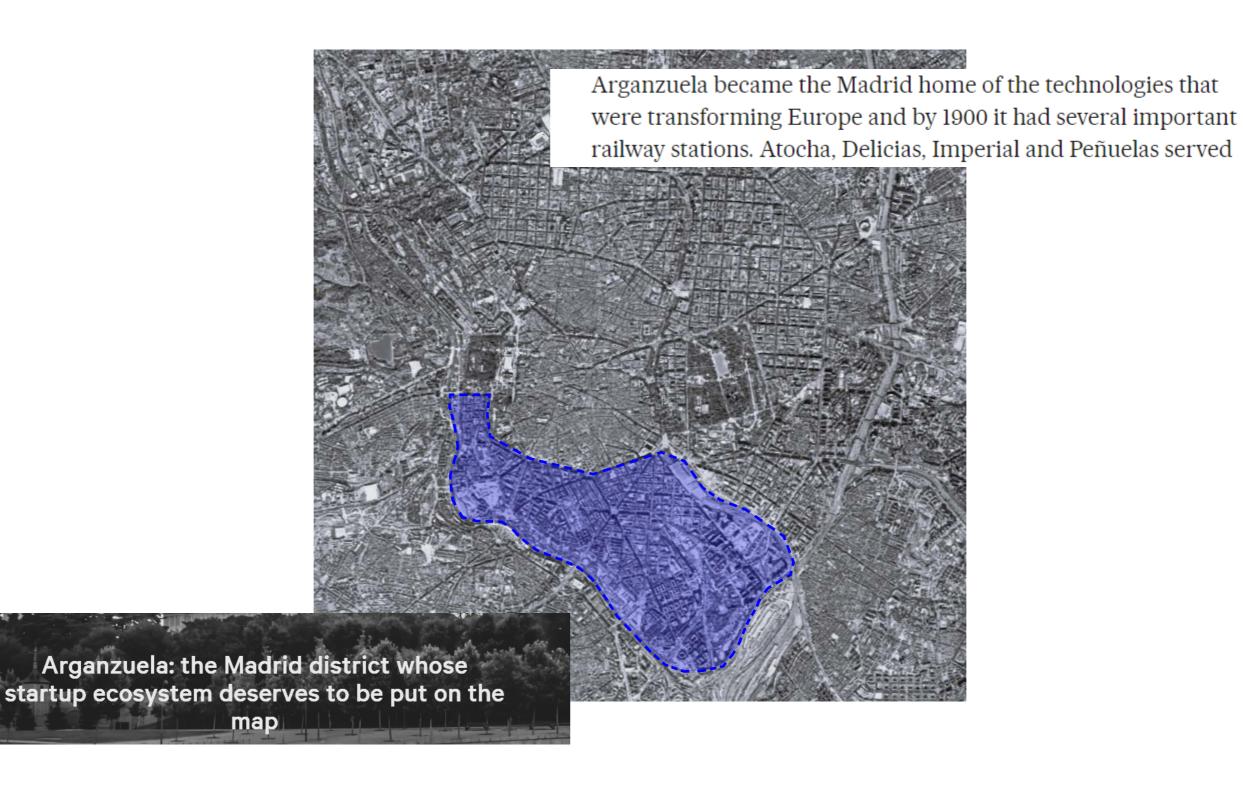


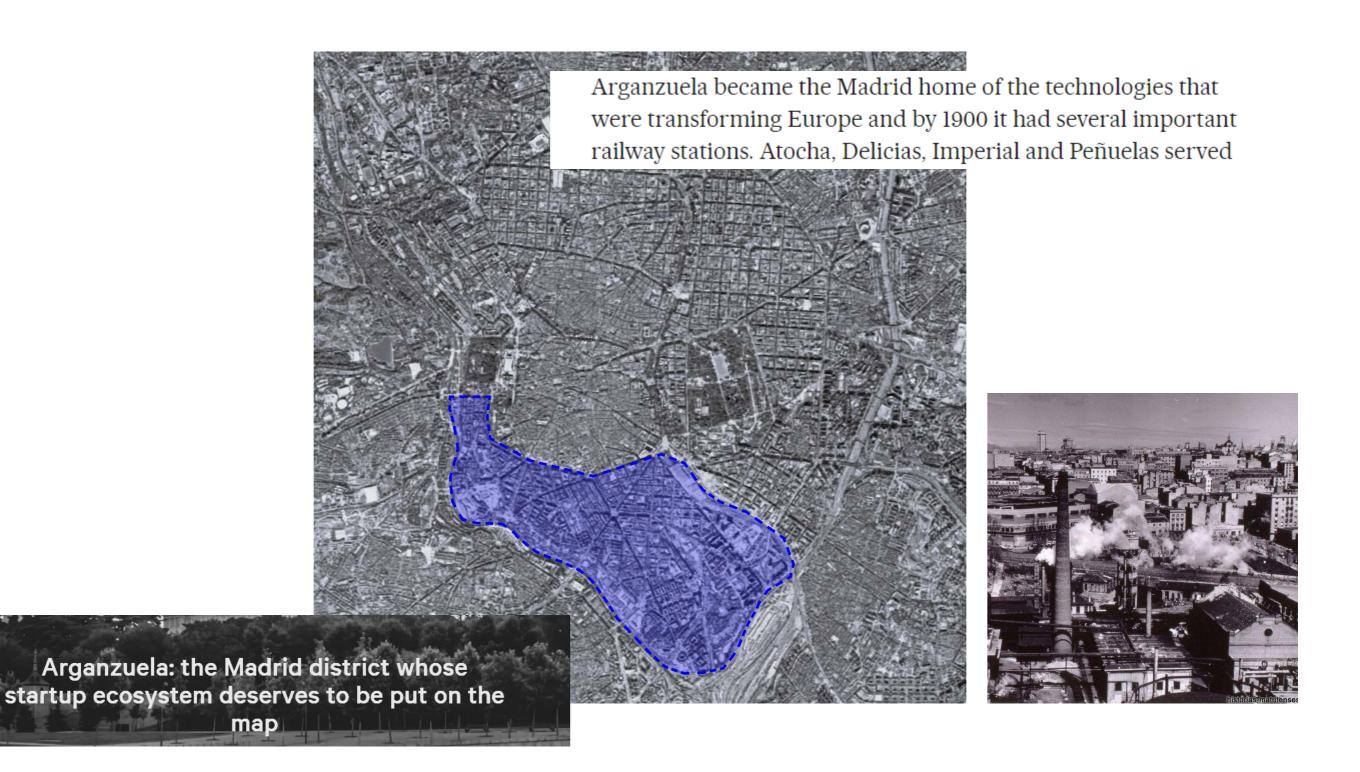


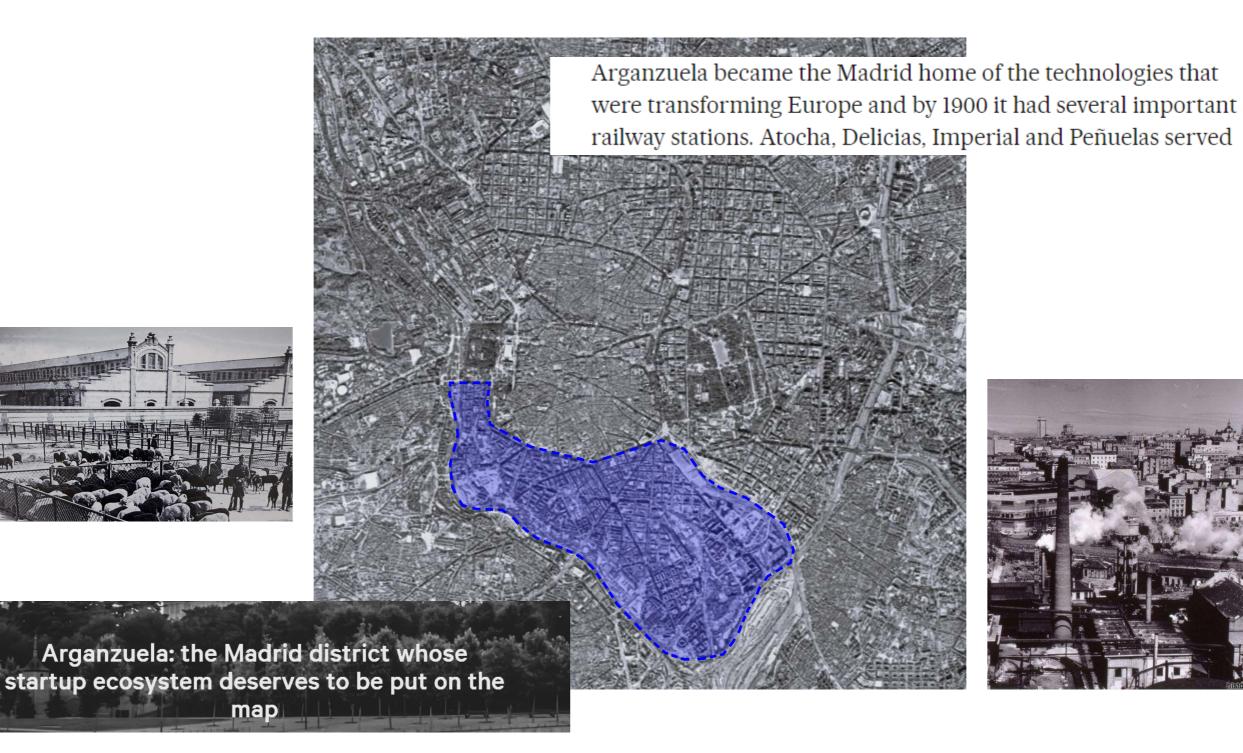














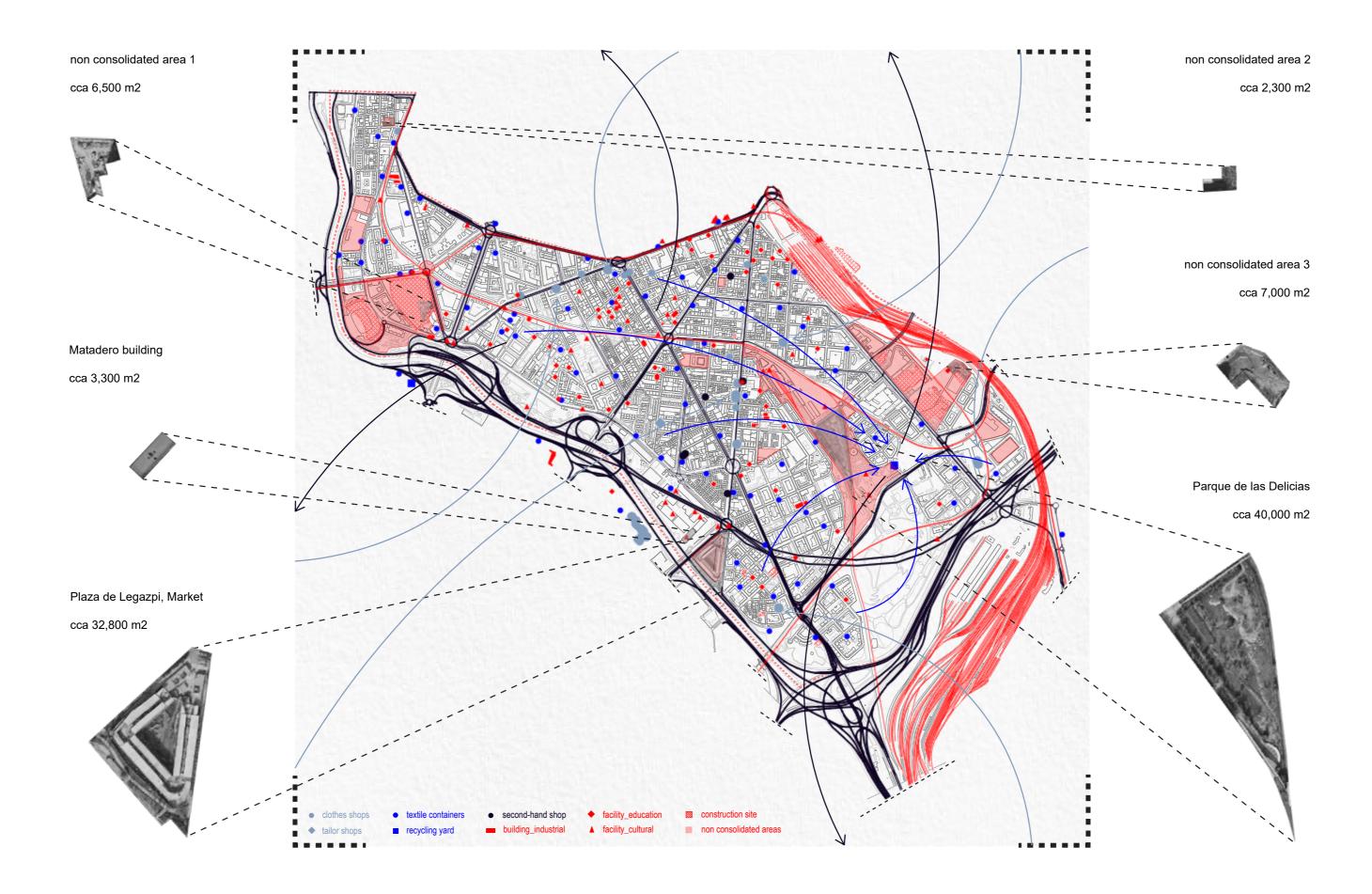


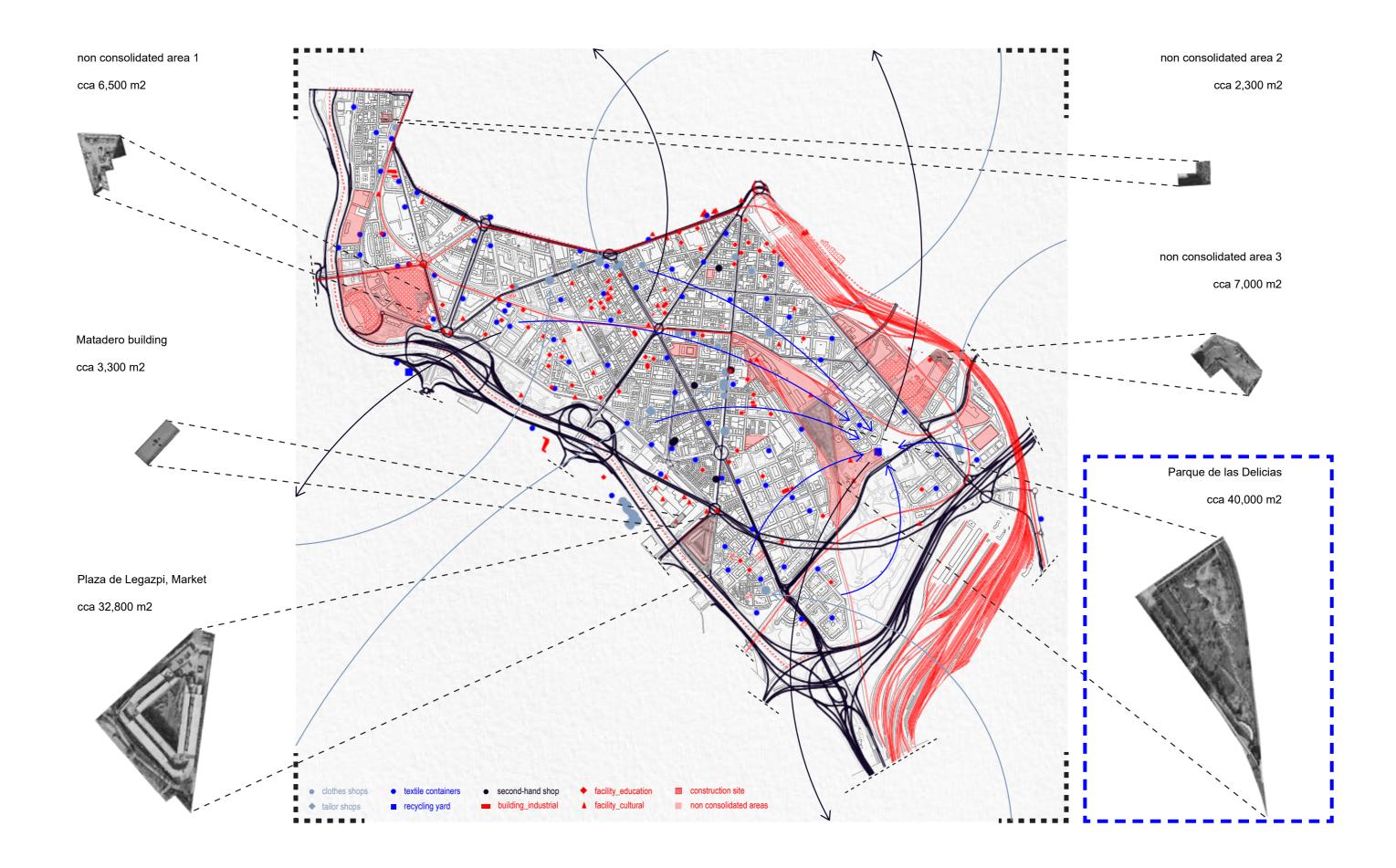


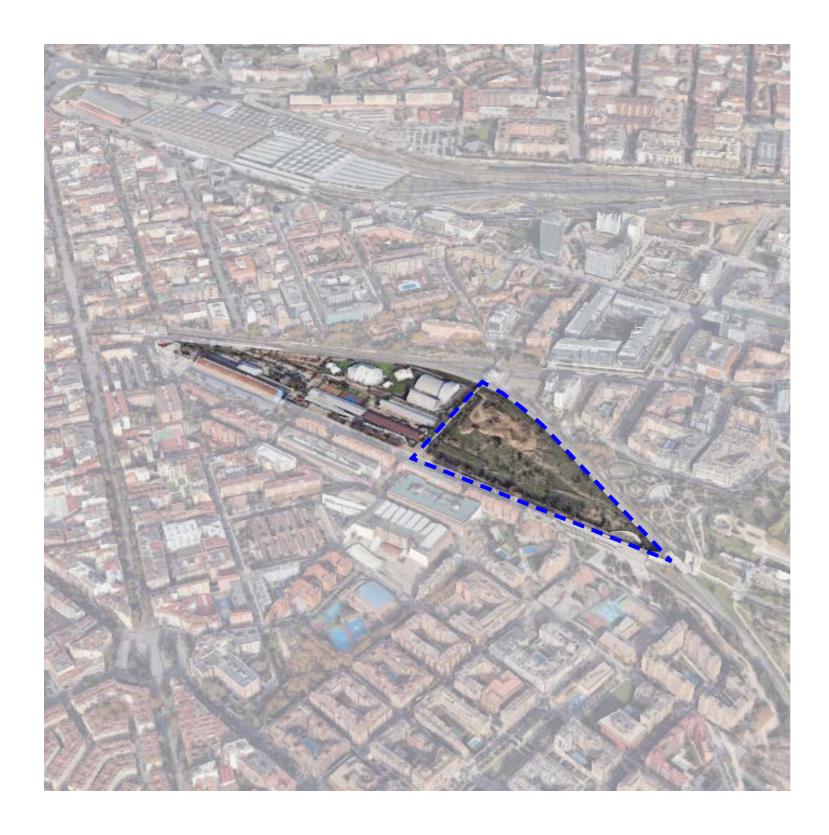


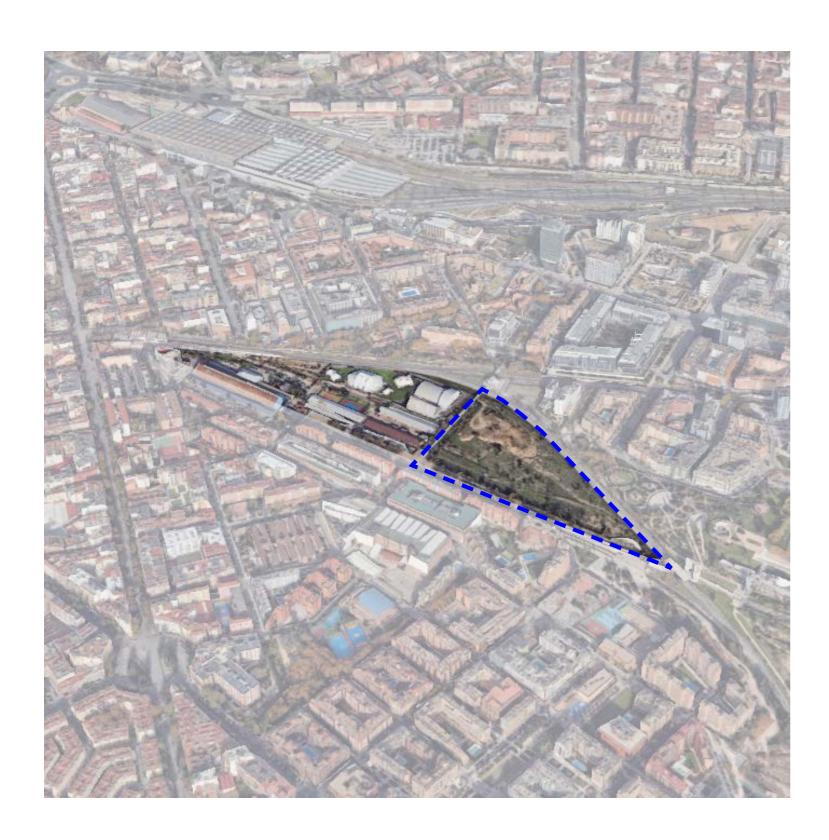


Arganzuela: the Madrid district whose startup ecosystem deserves to be put on the map

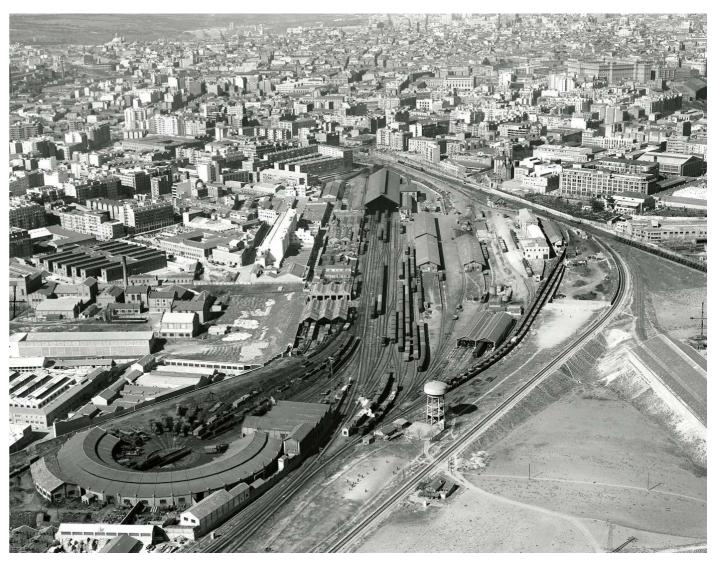


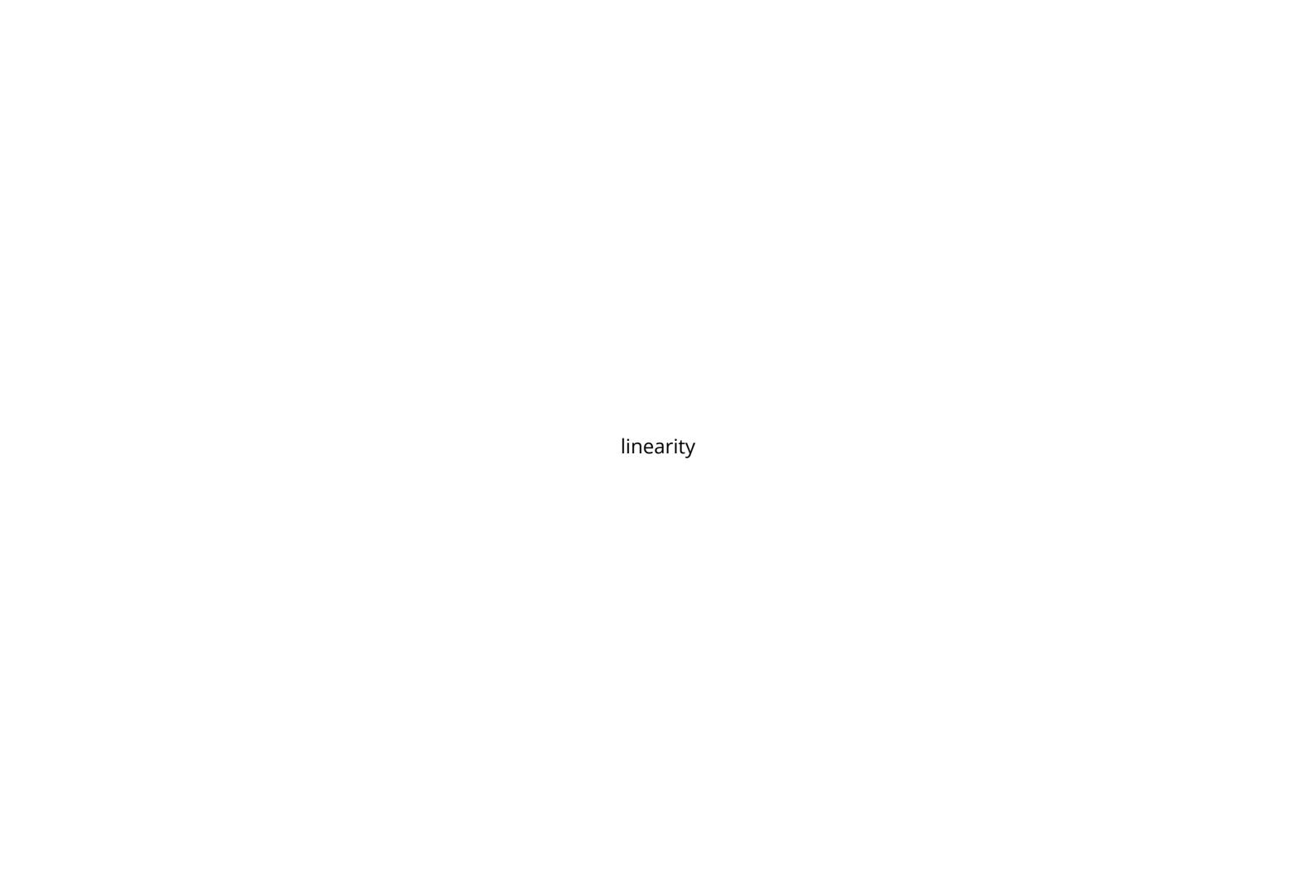


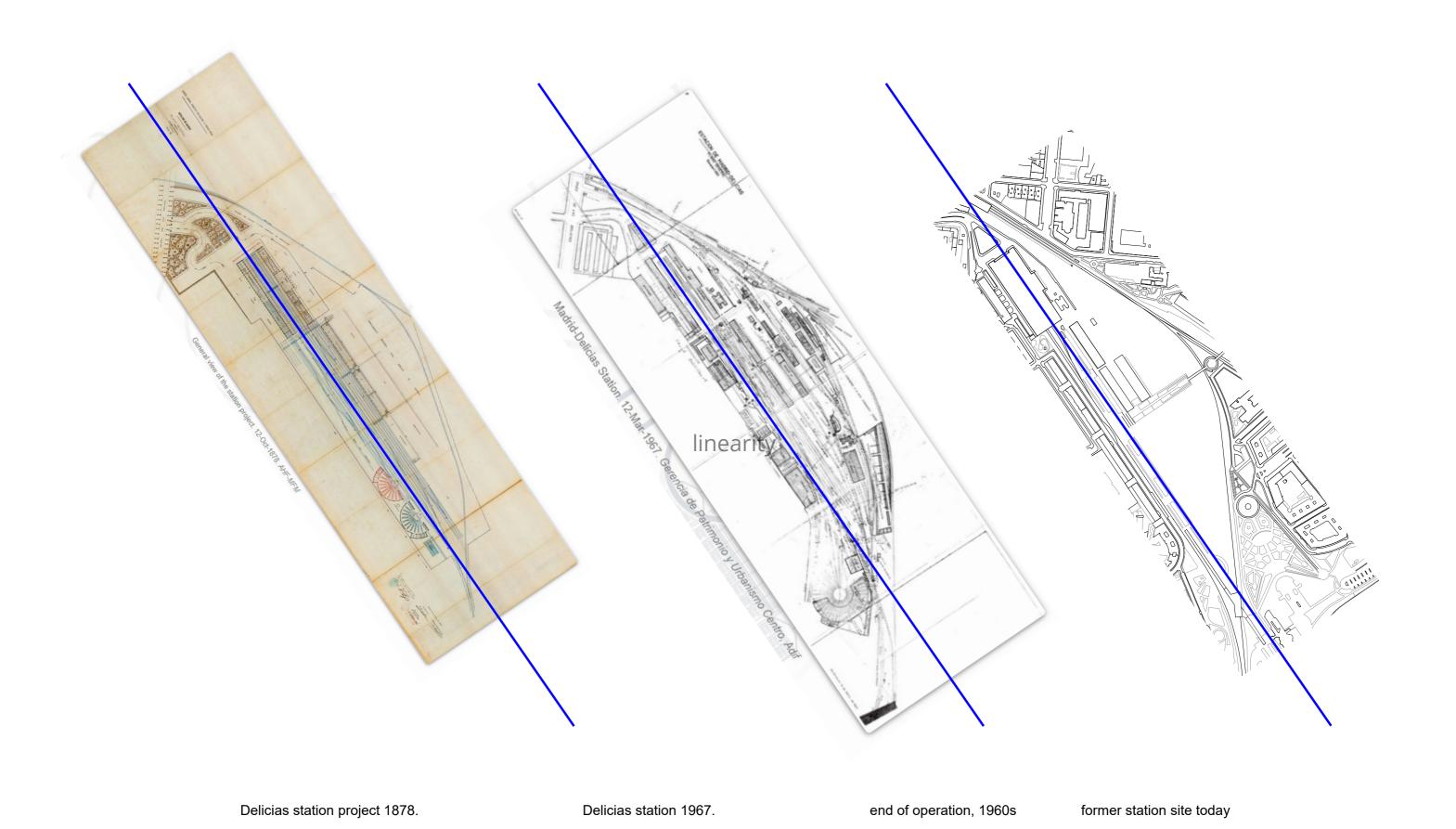




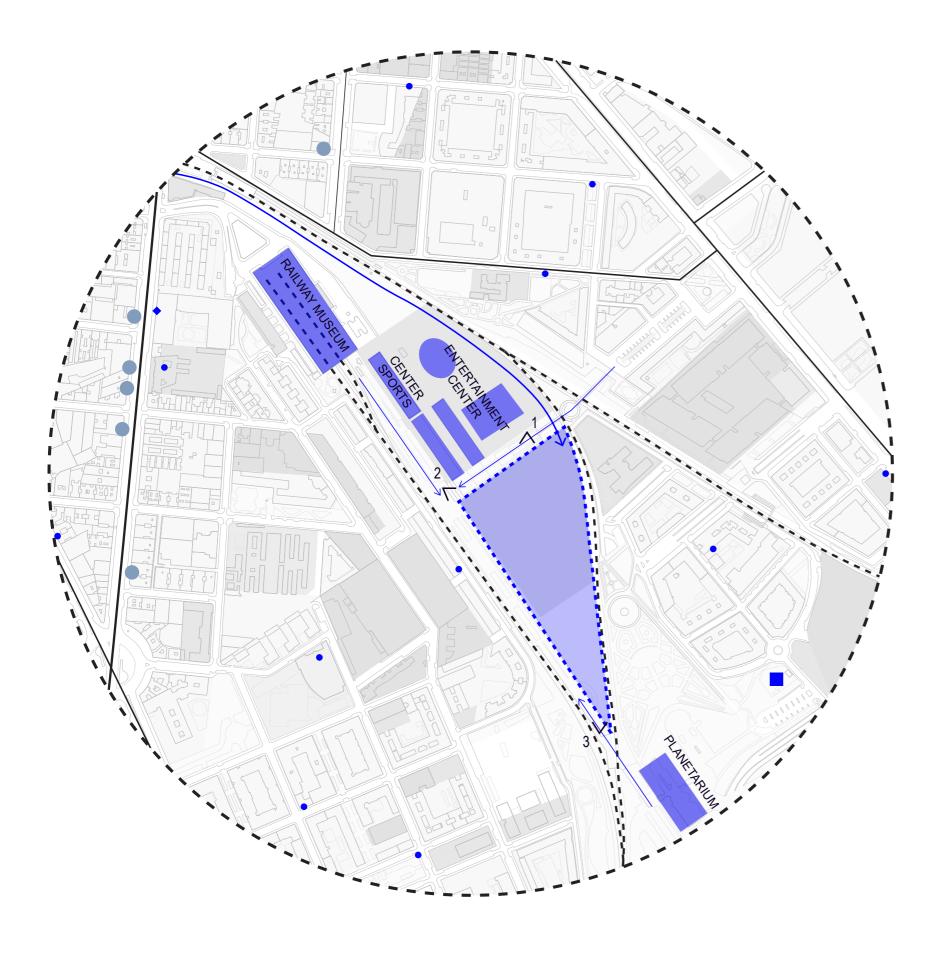
former train station







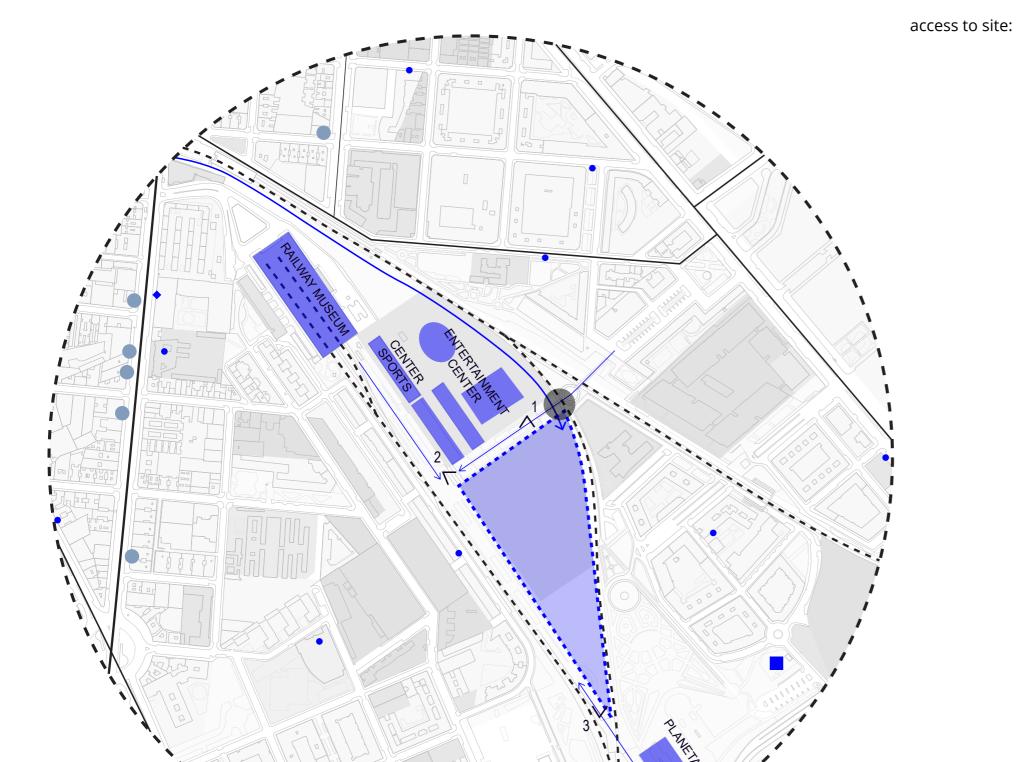
strong axis and already existing framework



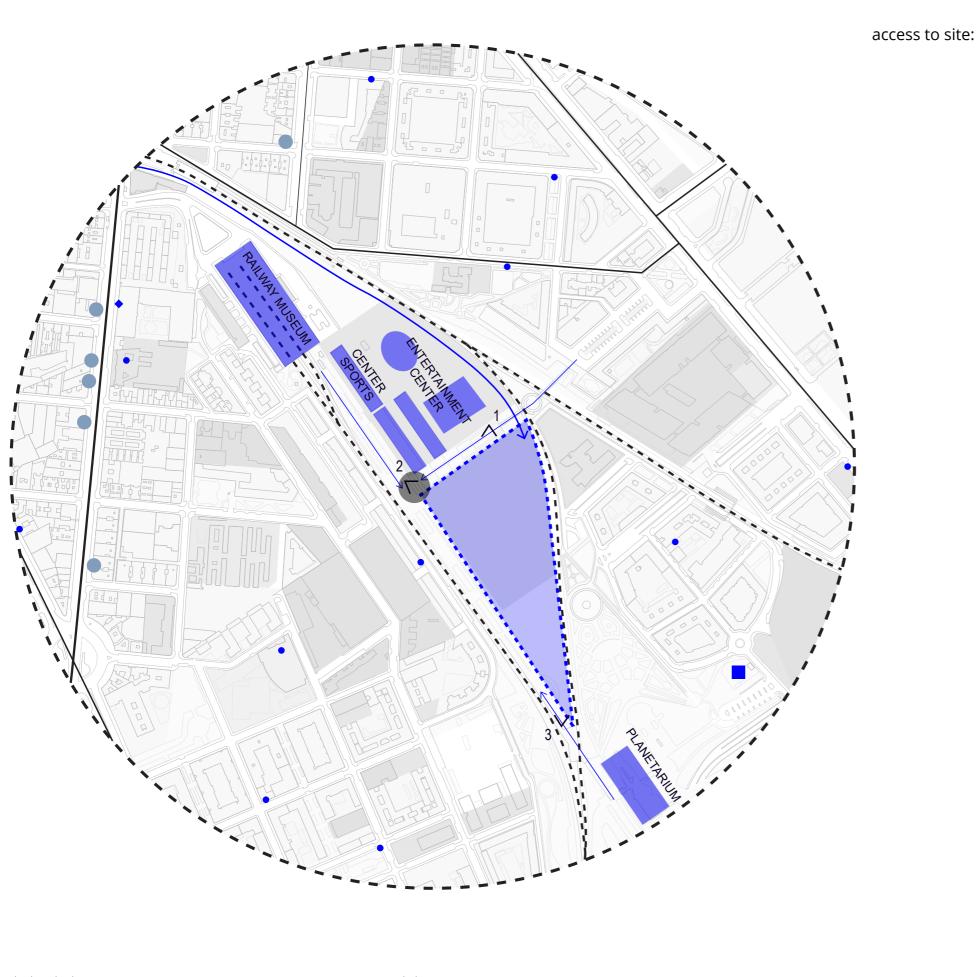


1 pedestrian bridge







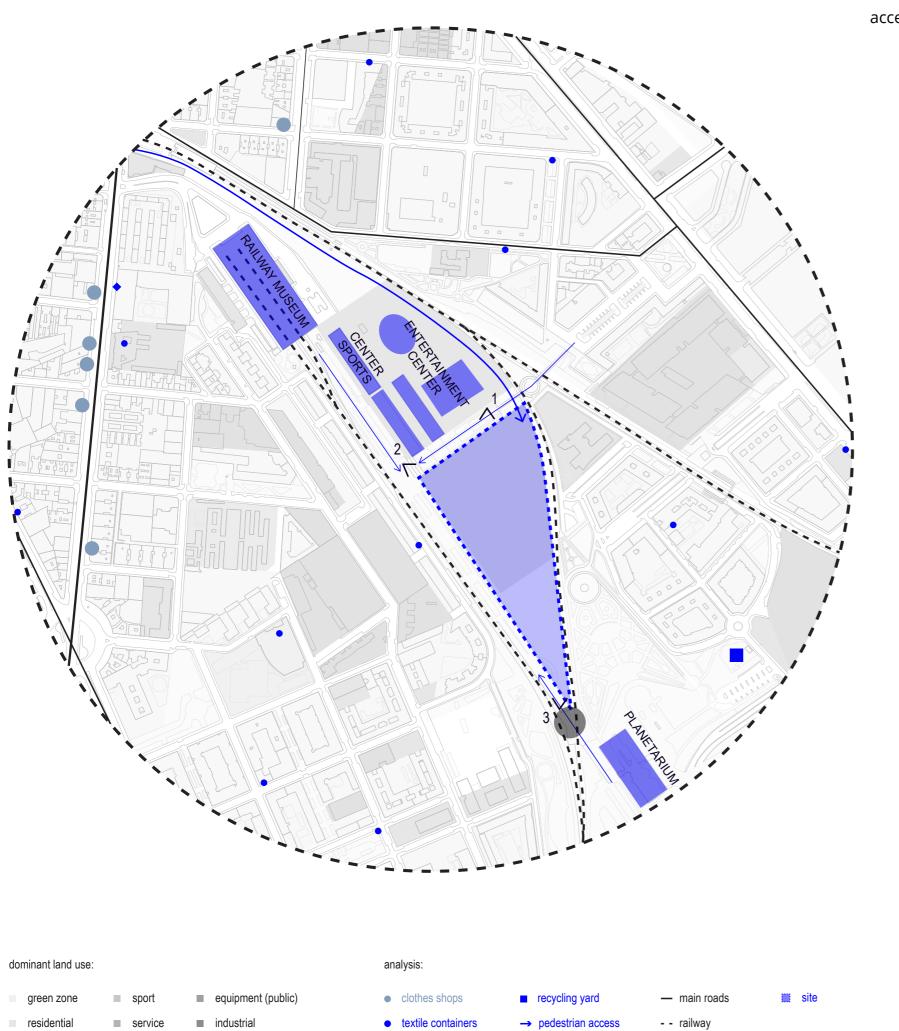


1 pedestrian bridge



2 Parroco Eusebio Cuenca





access to site:



1 pedestrian bridge



2 Parroco Eusebio Cuenca



2 pedestrian bridge

access to site:

Royal Tapestry Factory

1 pedestrian bridge



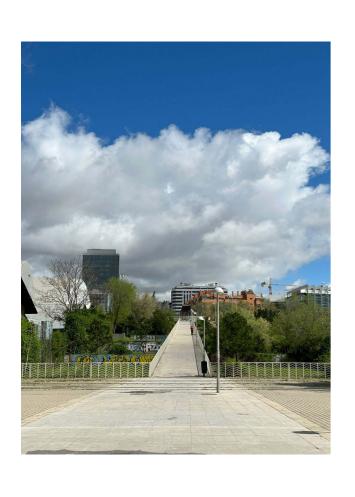
2 Parroco Eusebio Cuenca



2 pedestrian bridge

dominant land use:

green zone sport equipment (public) clothes shops residential service industrial etaxtile containers → pedestrian access -- railway









pedestrian ramp 1 railway tracks water towers pedestrian ramp 2













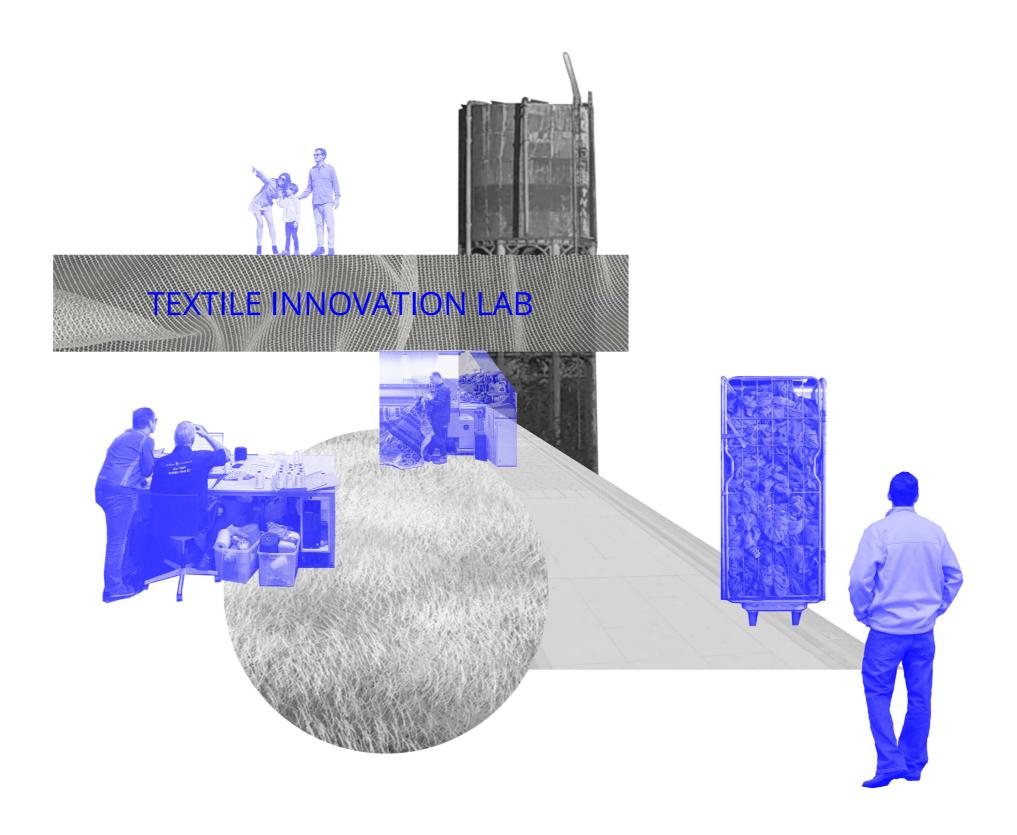


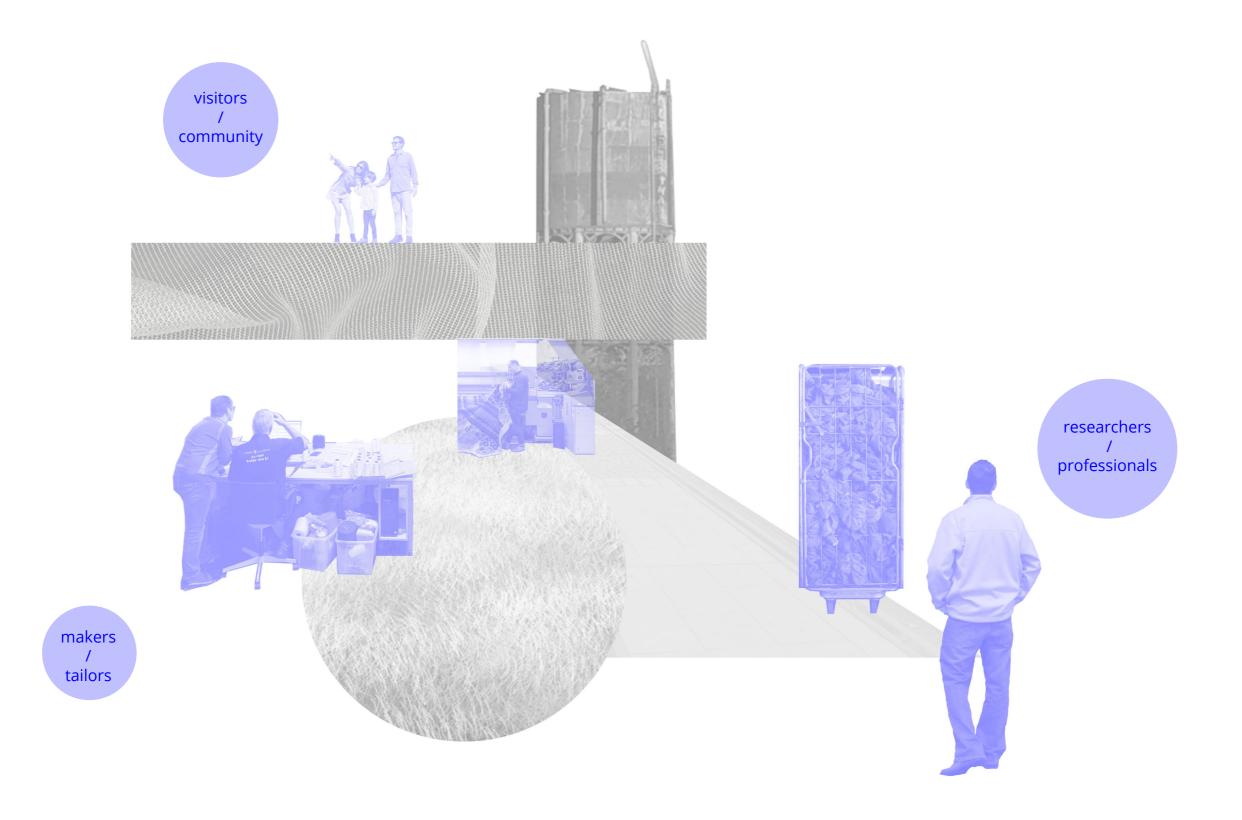




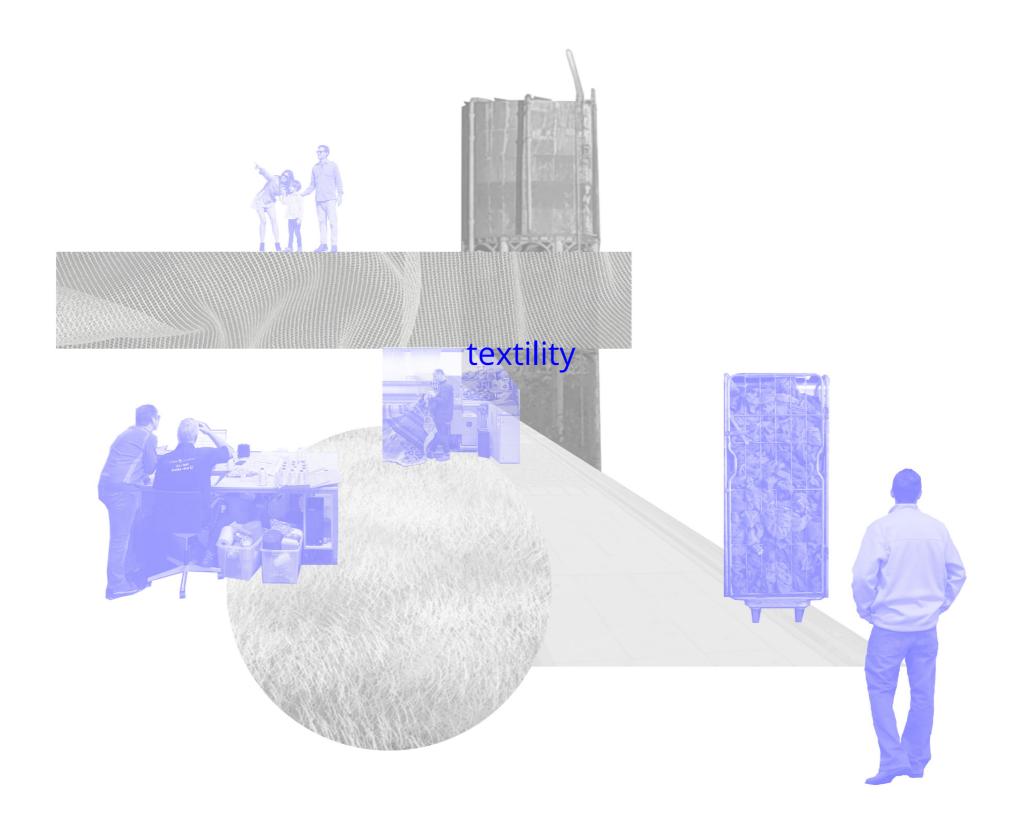








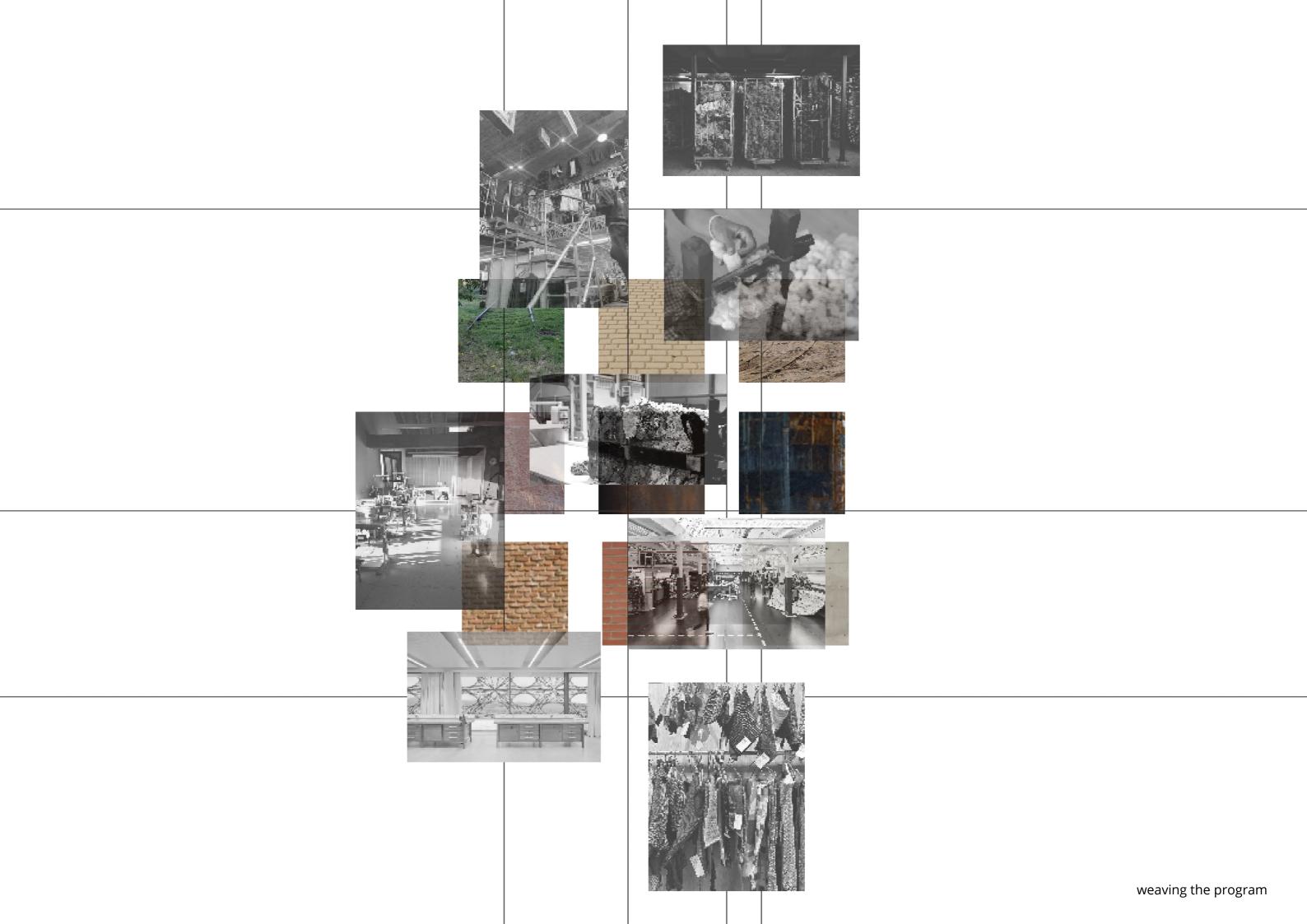






textility
- interconnectedness of various elements within a system, representing the metaphorical idea of weaving threads to create a fabric
- this concept could be applied to describe the <b>complexity within ecosystems, communities, programs, spaces</b> or any system where different elements come together to form a whole















PUBLIC

EXHIBITION SPACE

CAFFE BAR / CAFETERIA SHOP

AUDITORIUM

WORKSHOP











PUBLIC

**EXHIBITION SPACE** 

CAFFE BAR / CAFETERIA

SHOP

AUDITORIUM

WORKSHOP



MATERIAL LIBRARY / SAMPLE STUDIO



INDIVIDUAL ATELIER / STARTUP



HAND SEWING AND KNITTING / OPEN STUDIO



REPAIR STUDIO



LIBRARY



RESEARCH STUDIO

## MAKER'S SPACE







SHOP





PUBLIC

EXHIBITION SPACE

CAFFE BAR / CAFETERIA

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MATERIAL LIBRARY / SAMPLE STUDIO



INDIVIDUAL ATELIER / STARTUP



HAND SEWING AND KNITTING / OPEN STUDIO



REPAIR STUDIO



LIBRARY



RESEARCH STUDIO

WASTE MATERIAL STORAGE / SORTING AREA



CLEANING AND SHREDDING ROOM



SPINNING ROOM



KNITTING AND WEAV-ING ROOM



3D PRINTING LAB



DYEING LAB



PRINTING LAB



CHEMISTRY LAB

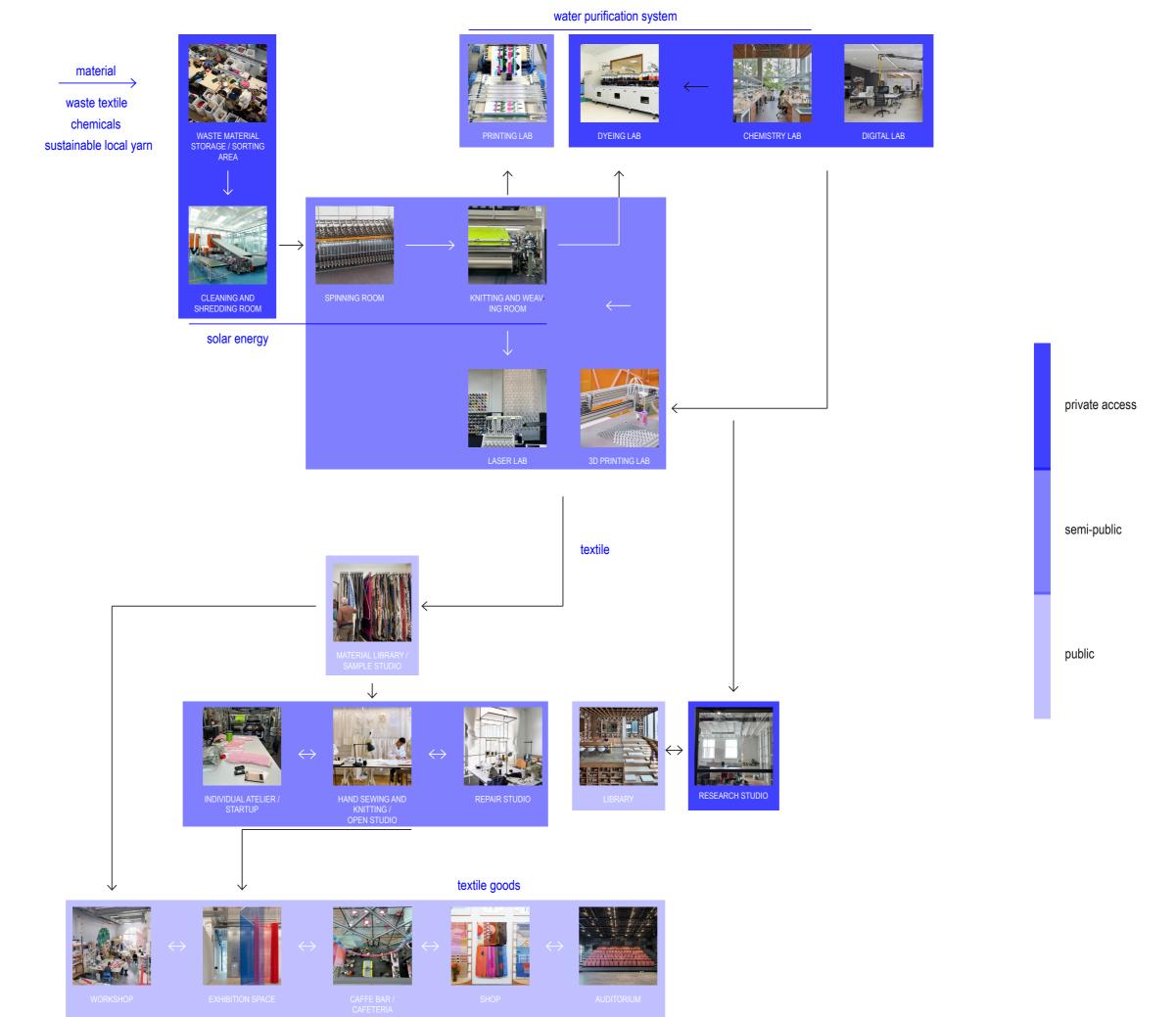


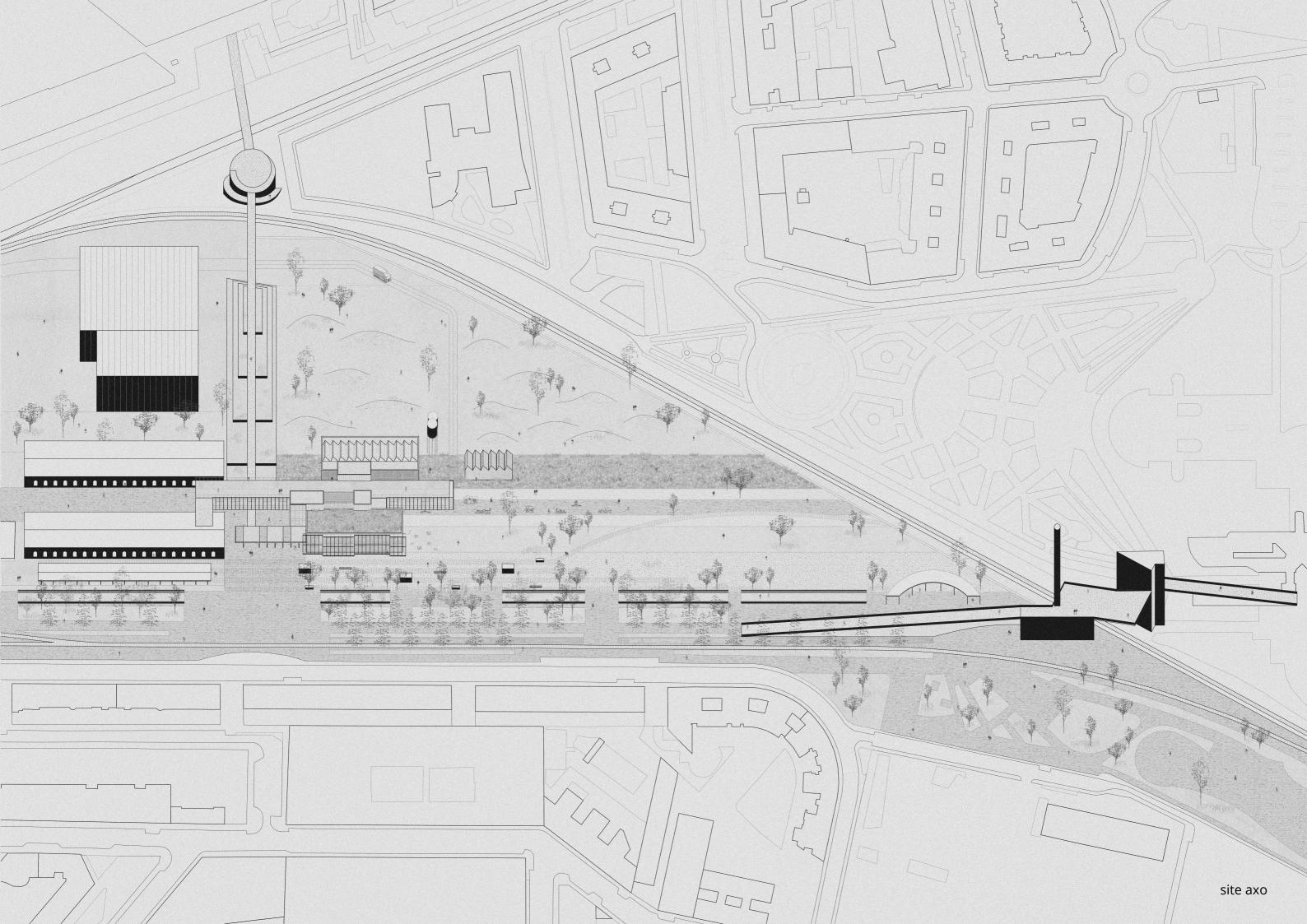
MAKER'S SPACE

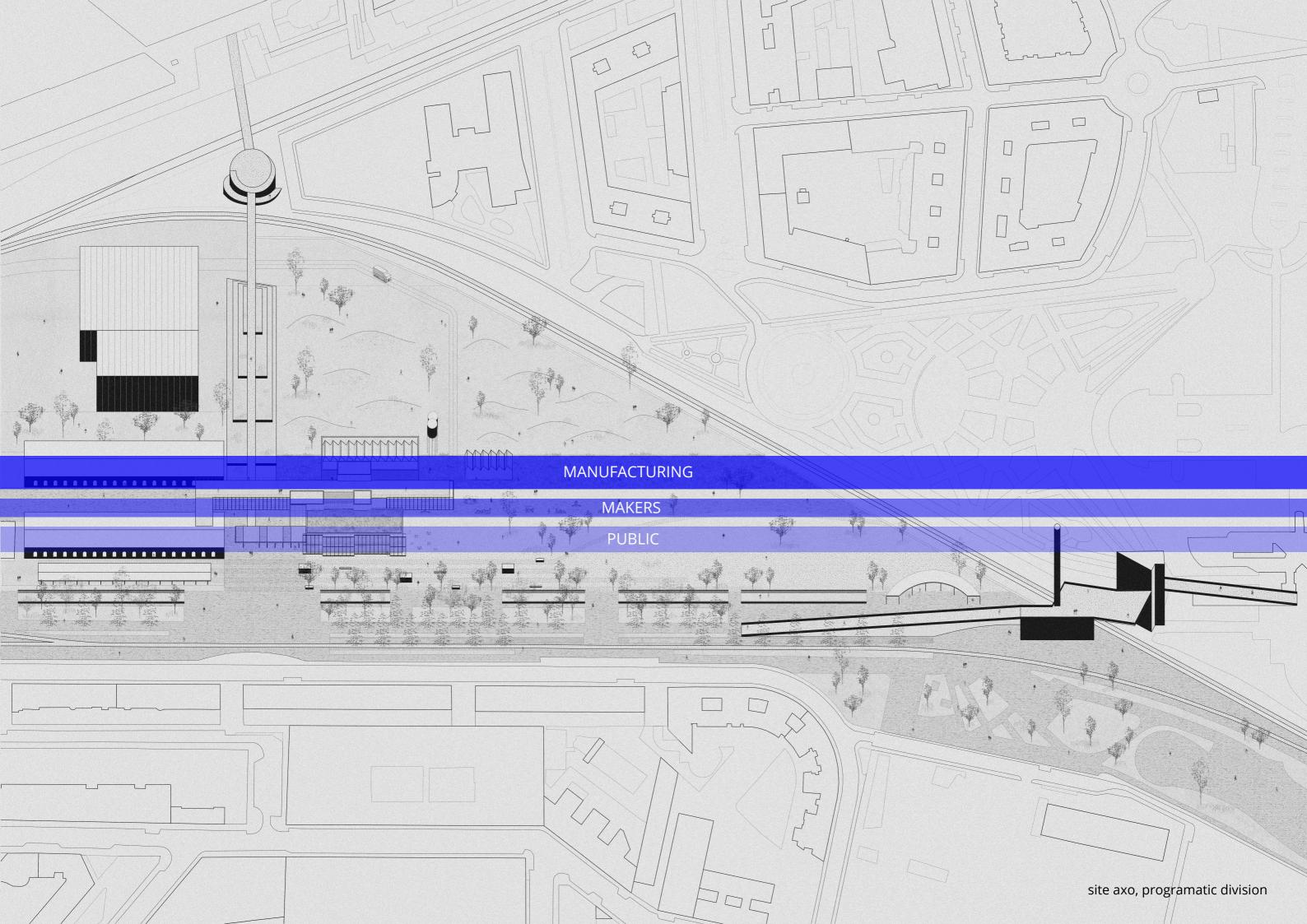
LASER LAB

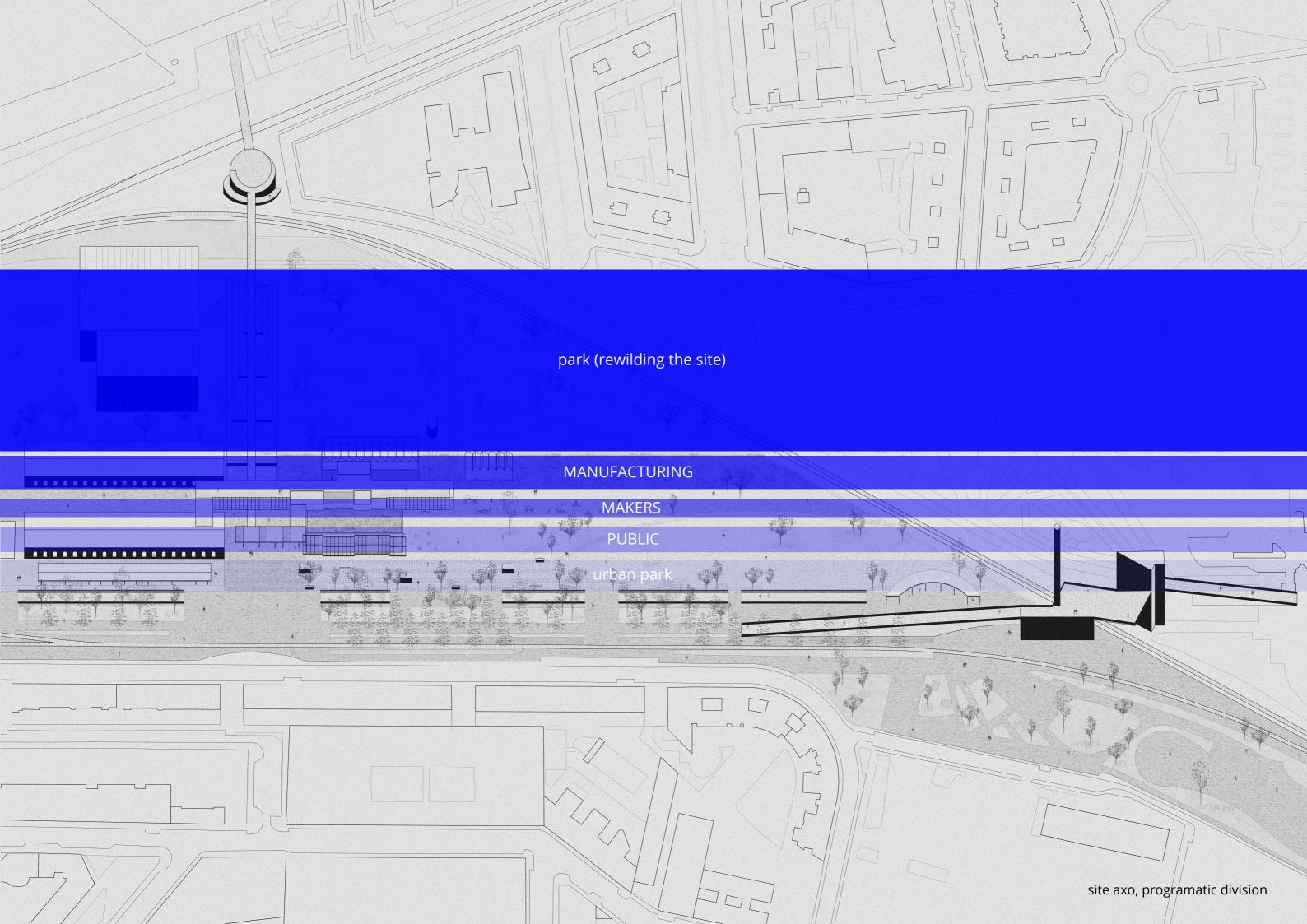


DIGITAL LAB









MANUFACTURINO

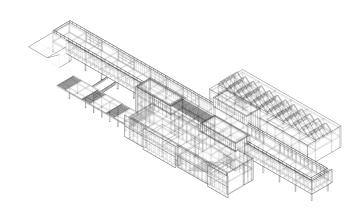
CRAFTING

PUBLIC

MANUFACTURING

CRAFTIAL

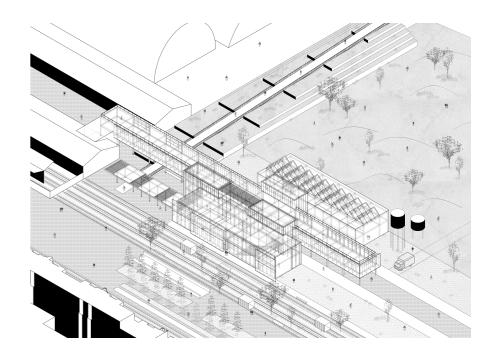
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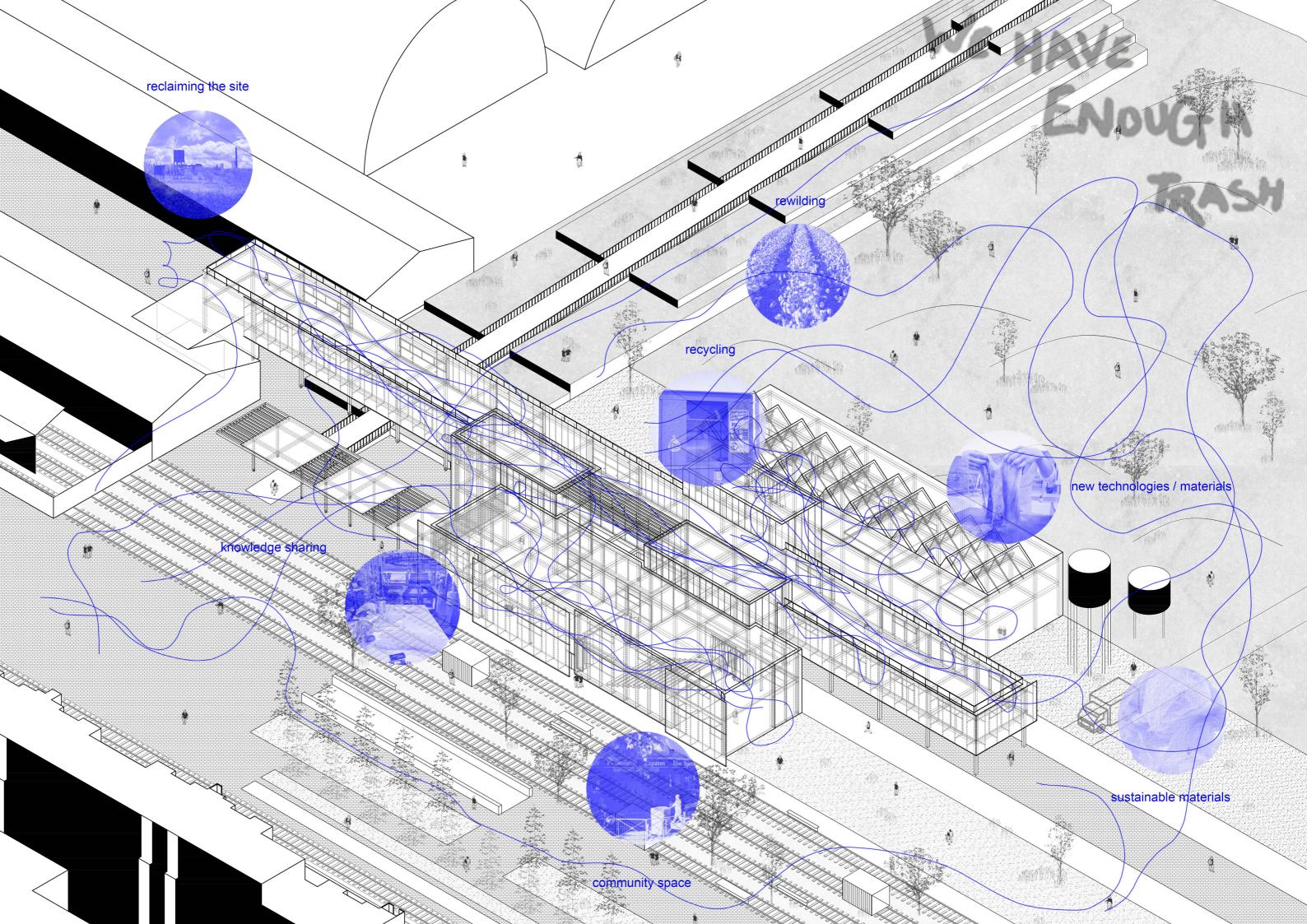


MANUFACTURING

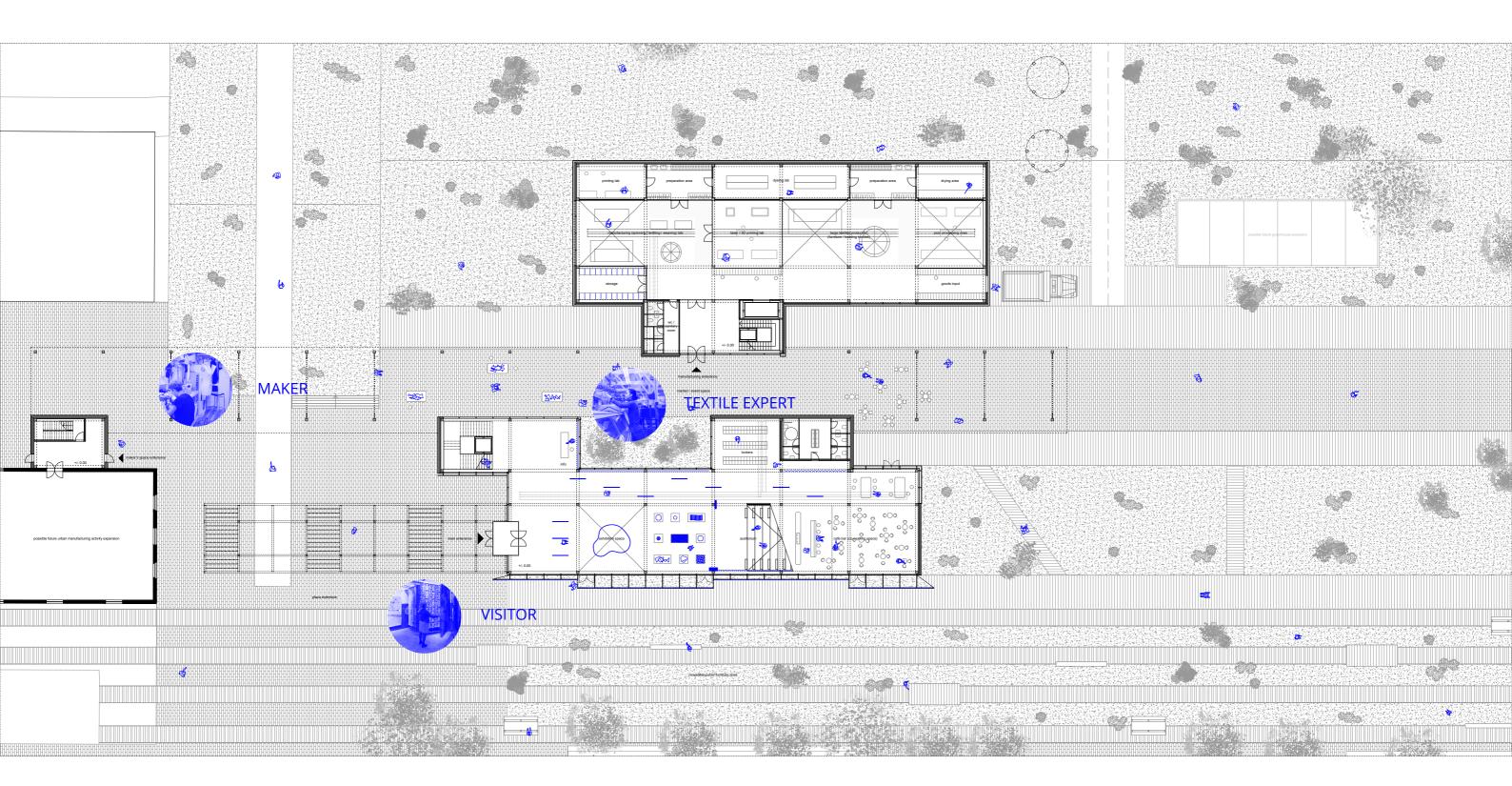
CRAFTING

PUBLIC





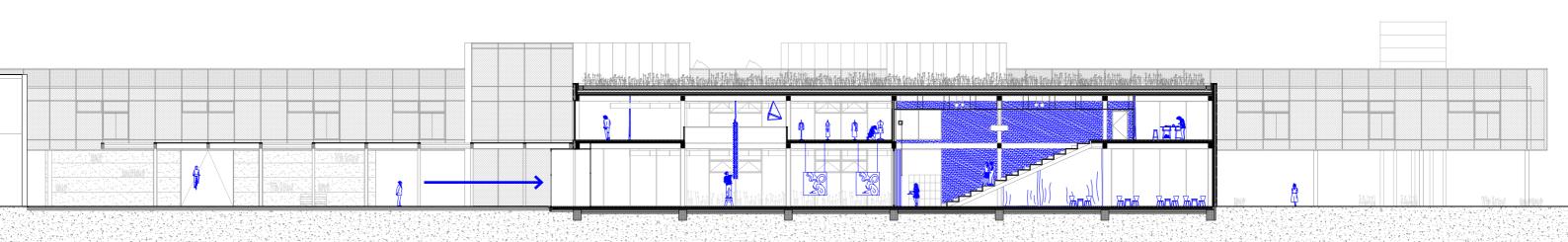


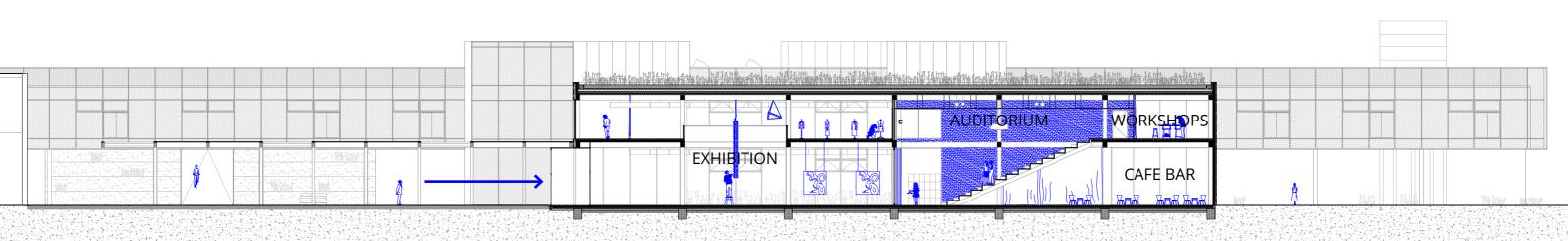


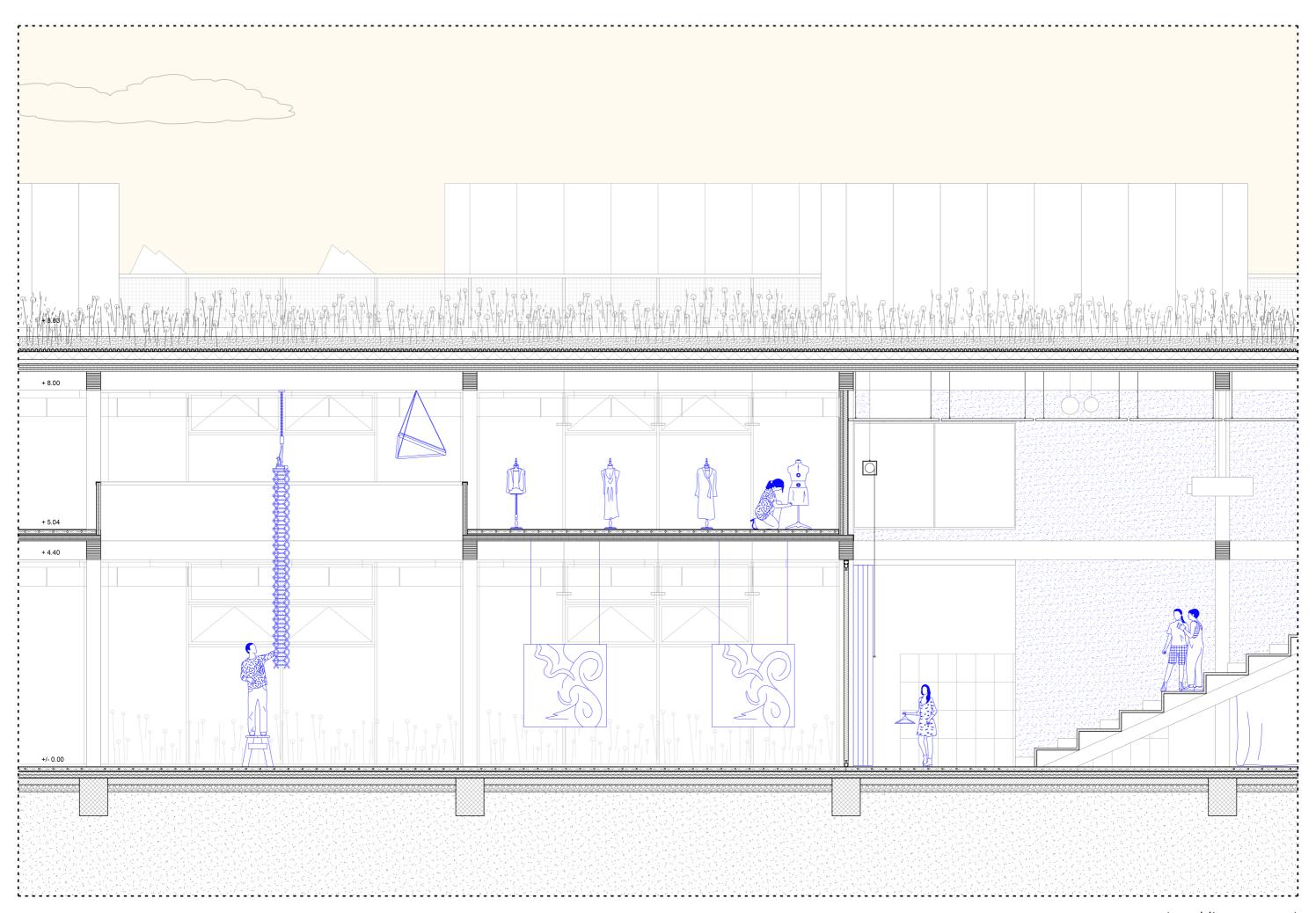


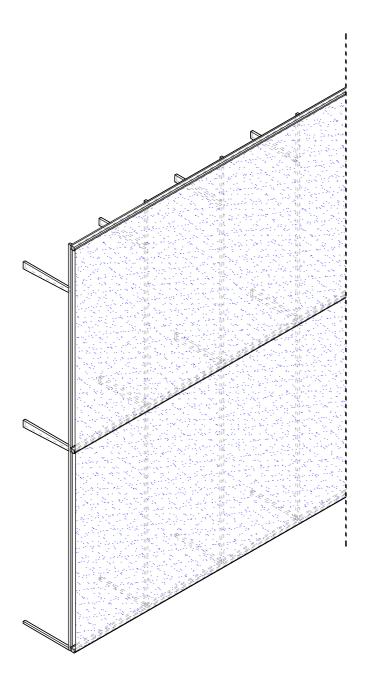
**VISITOR** 



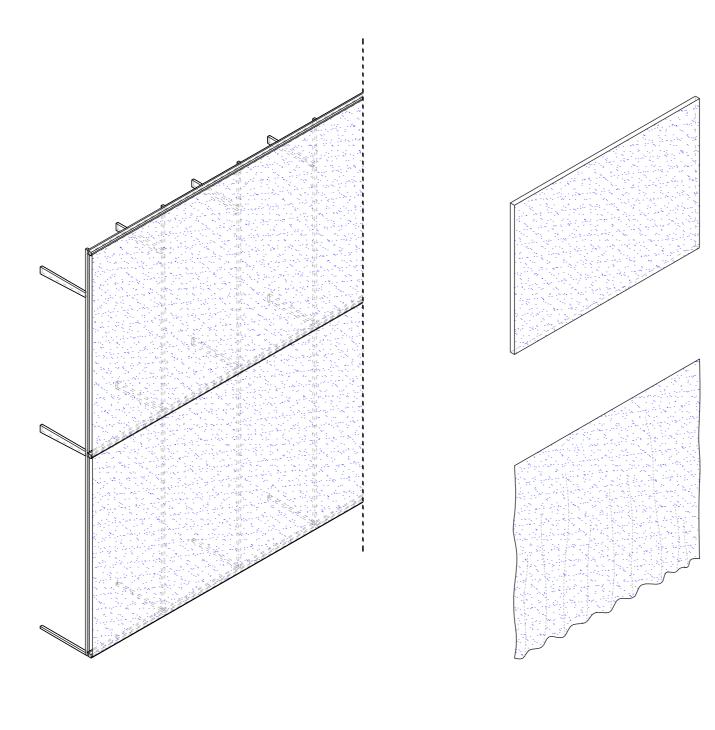






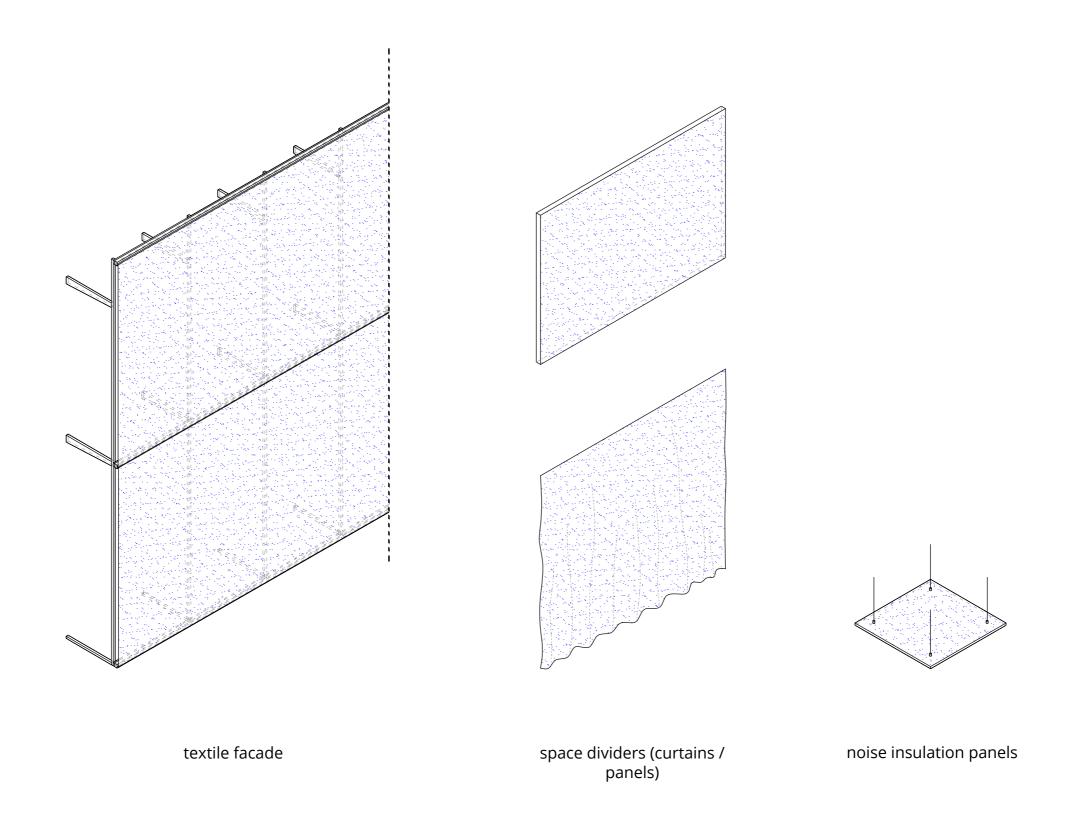


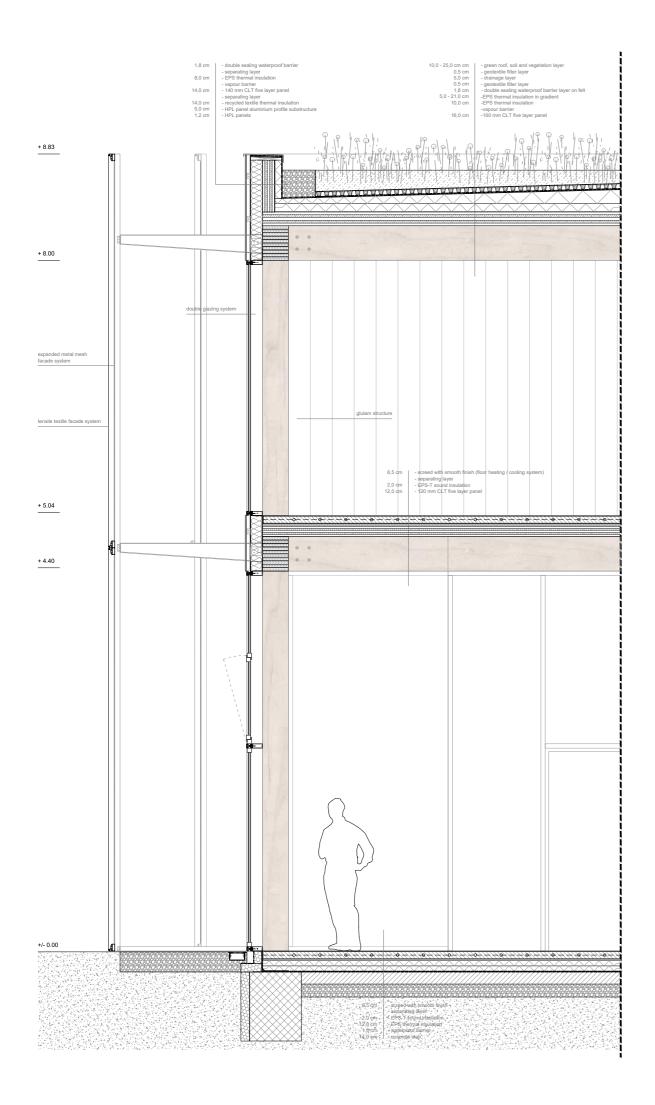
textile facade

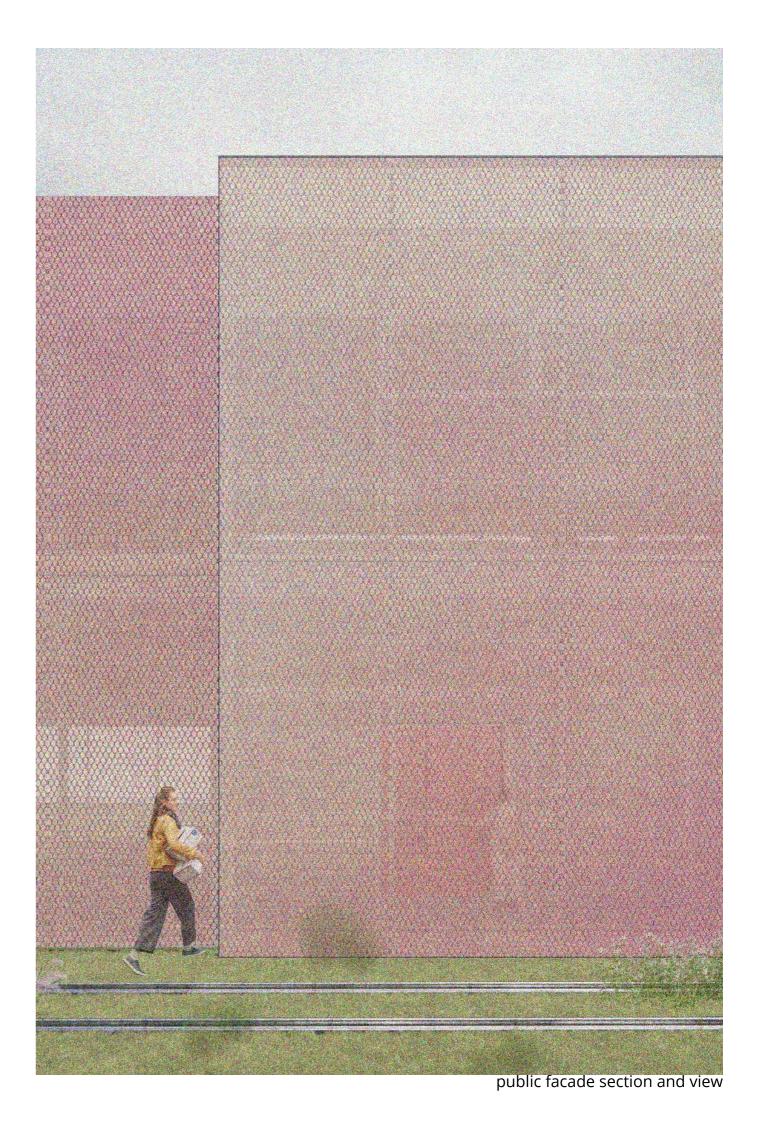


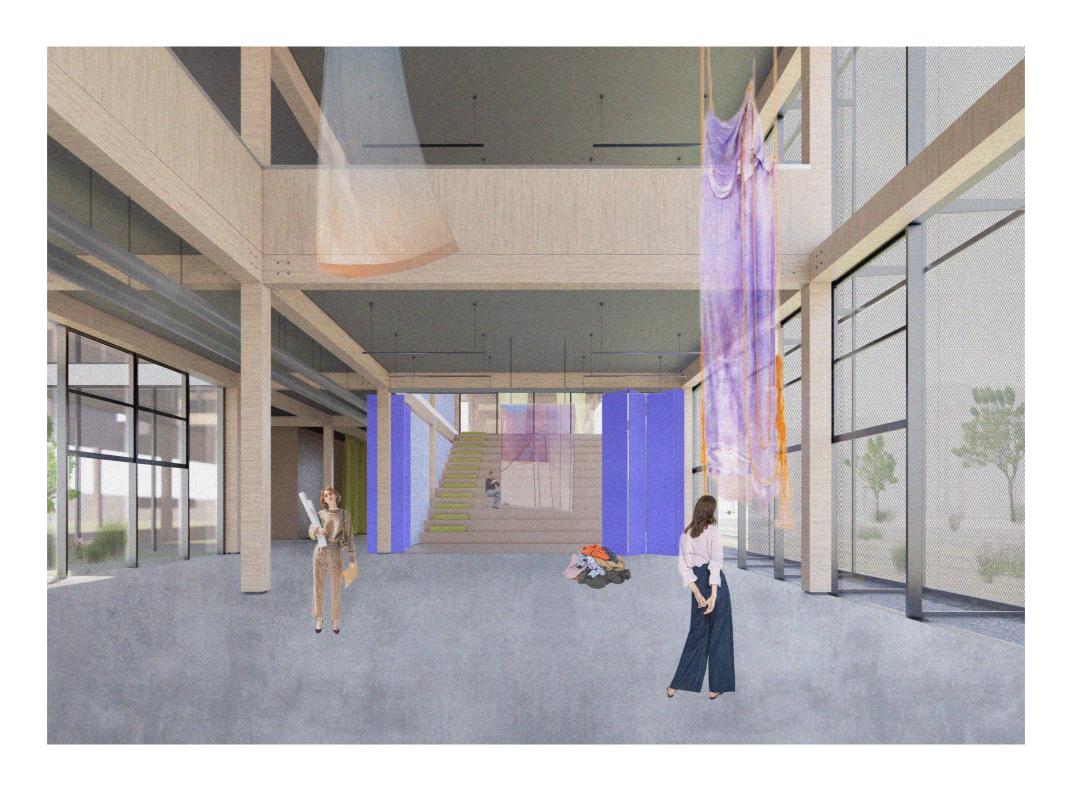
textile facade

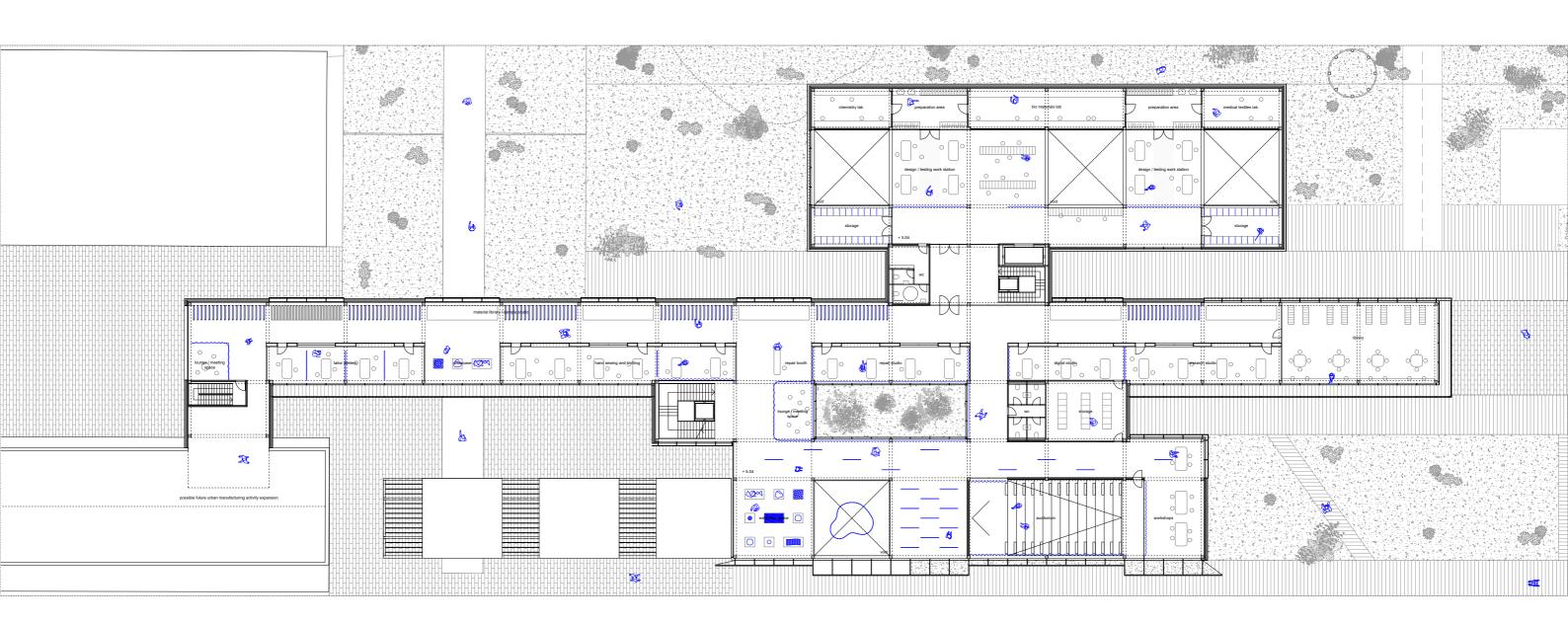
space dividers (curtains / panels)

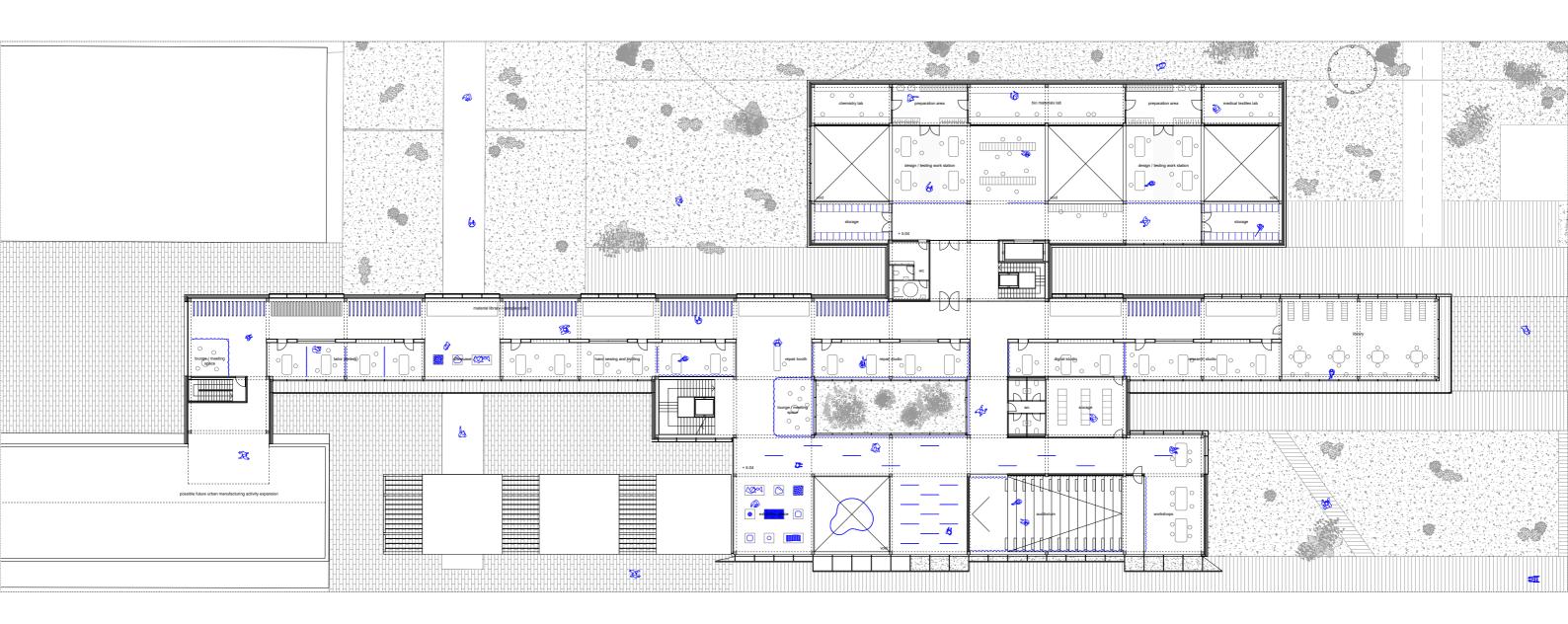


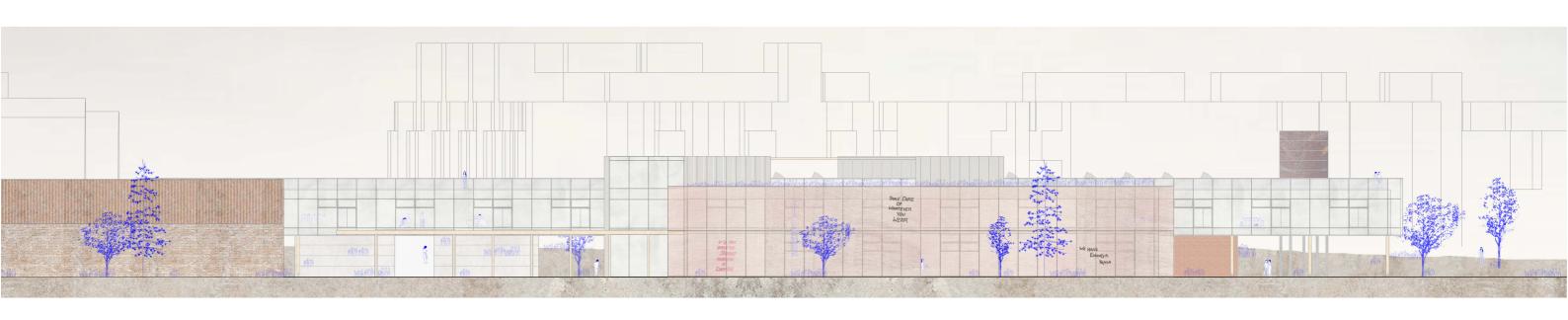


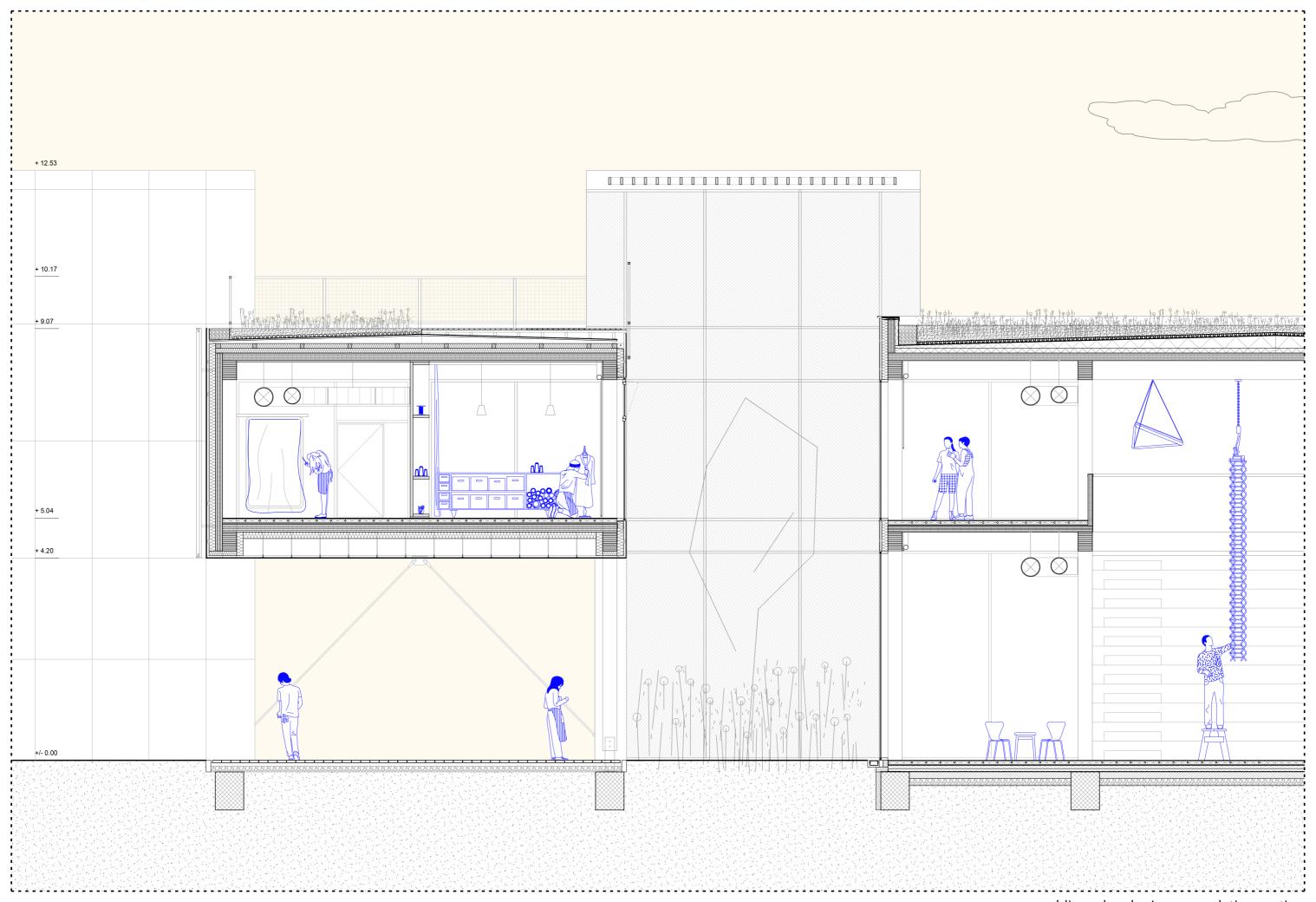


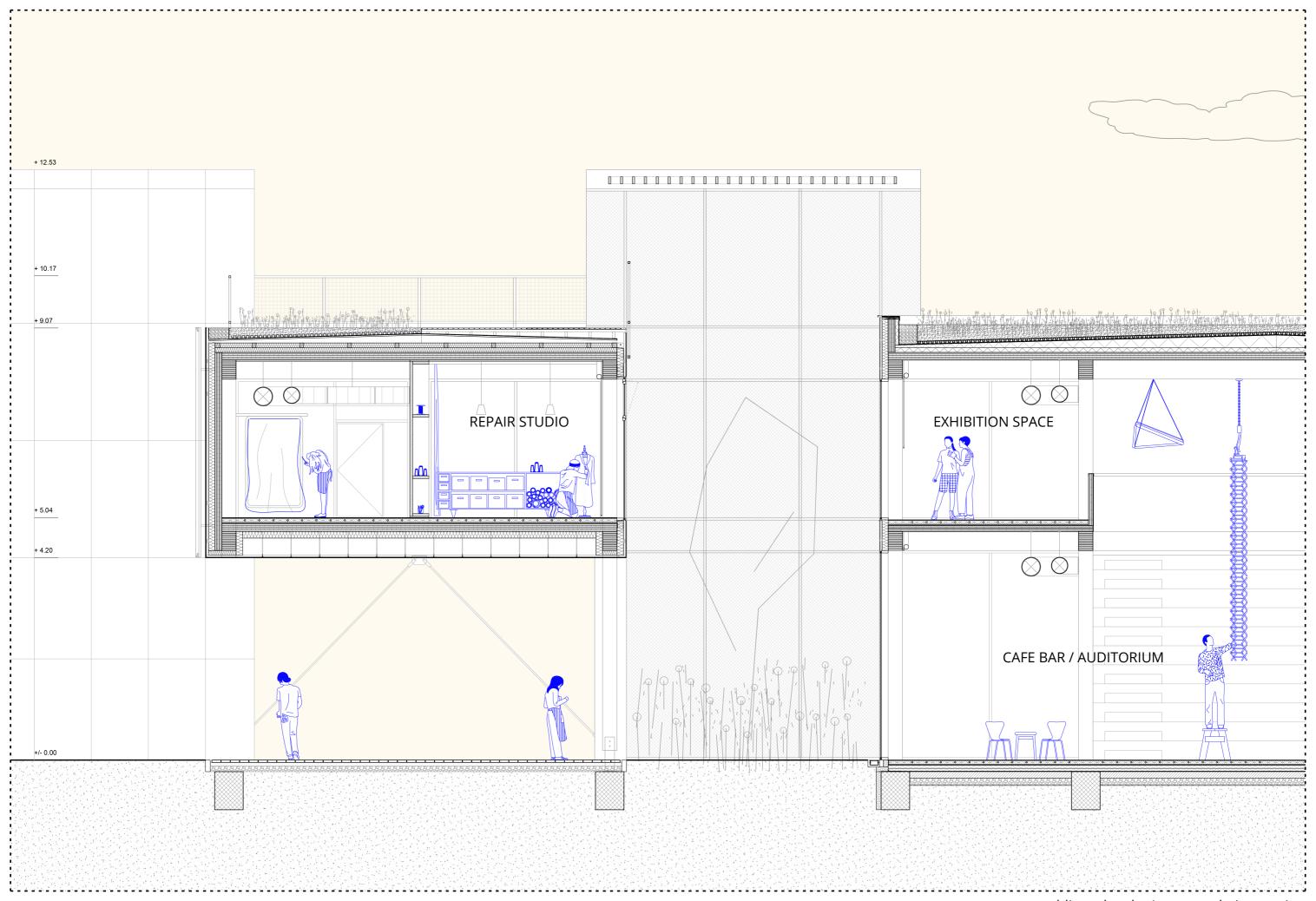






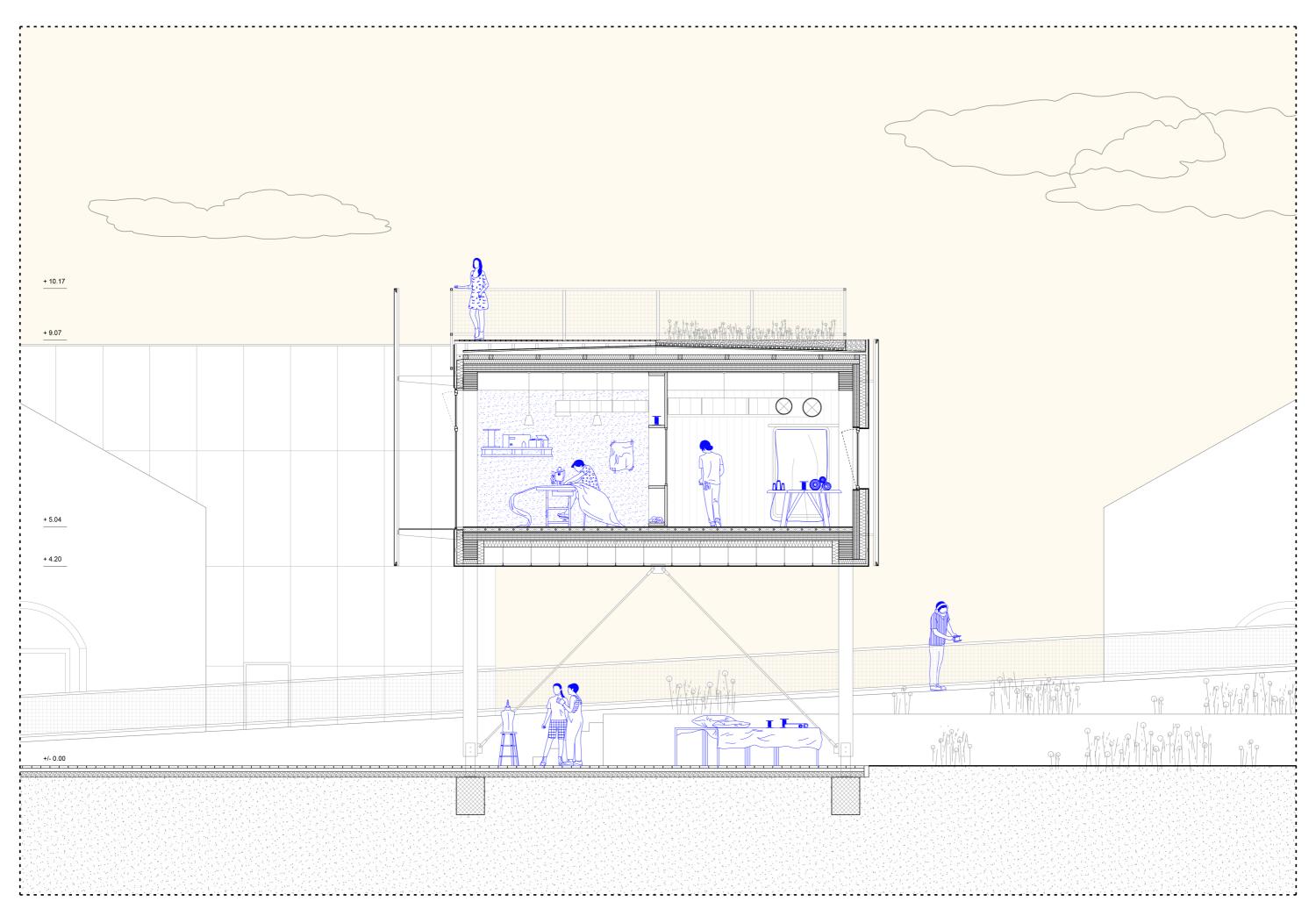


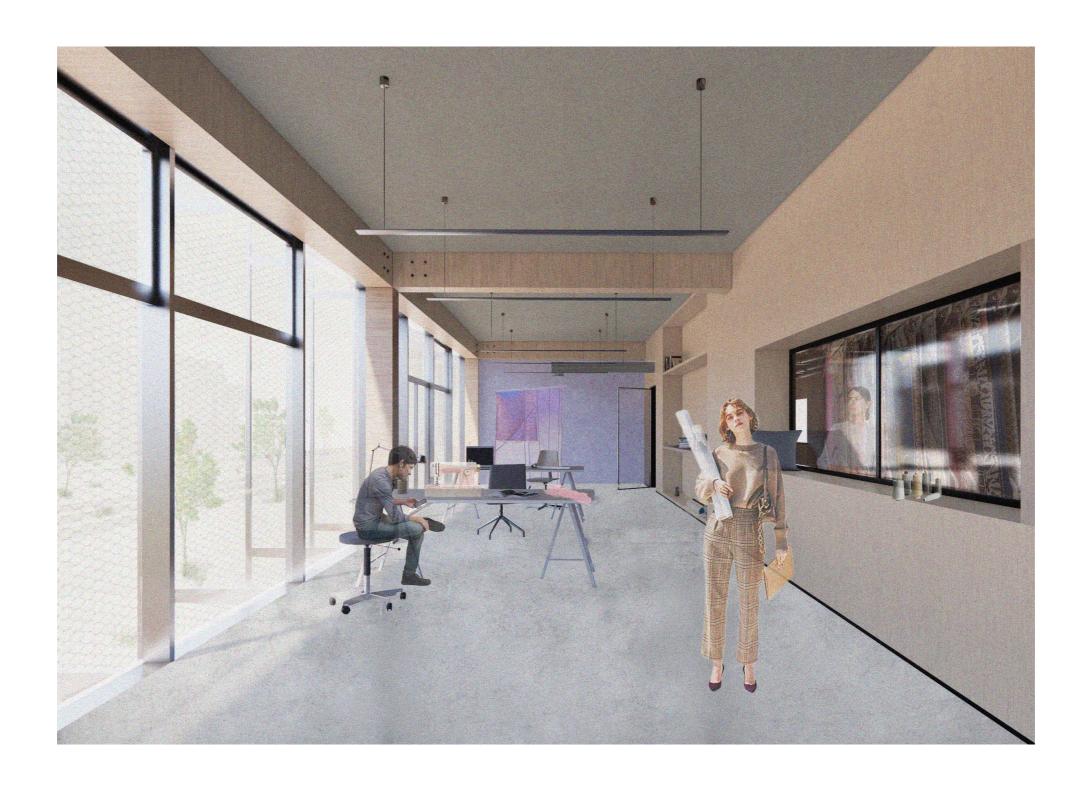


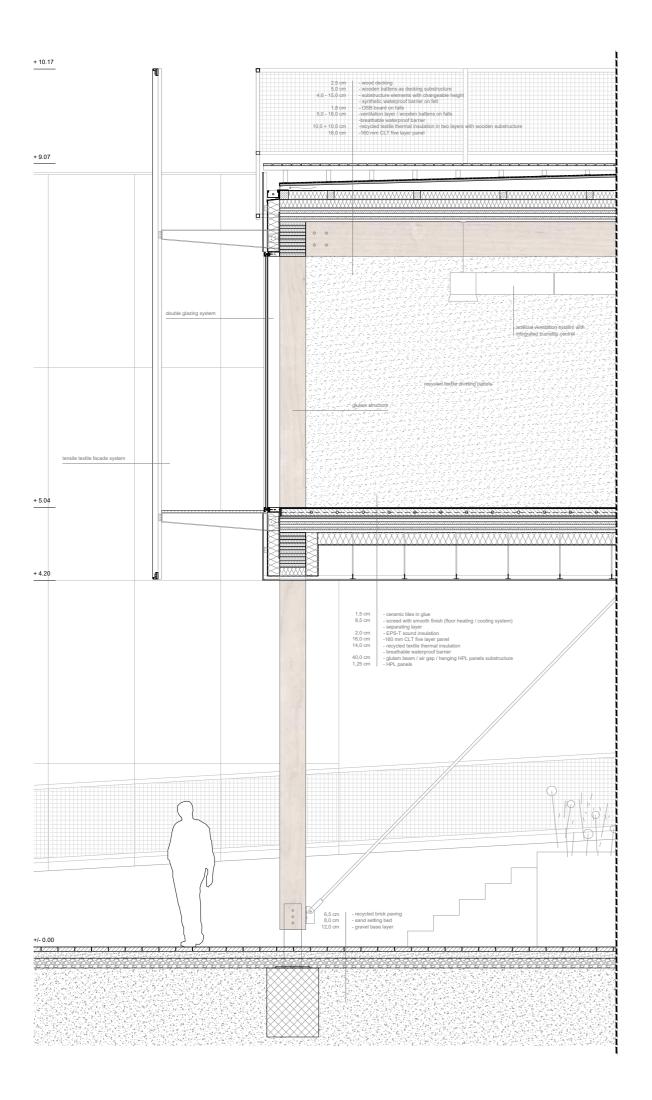


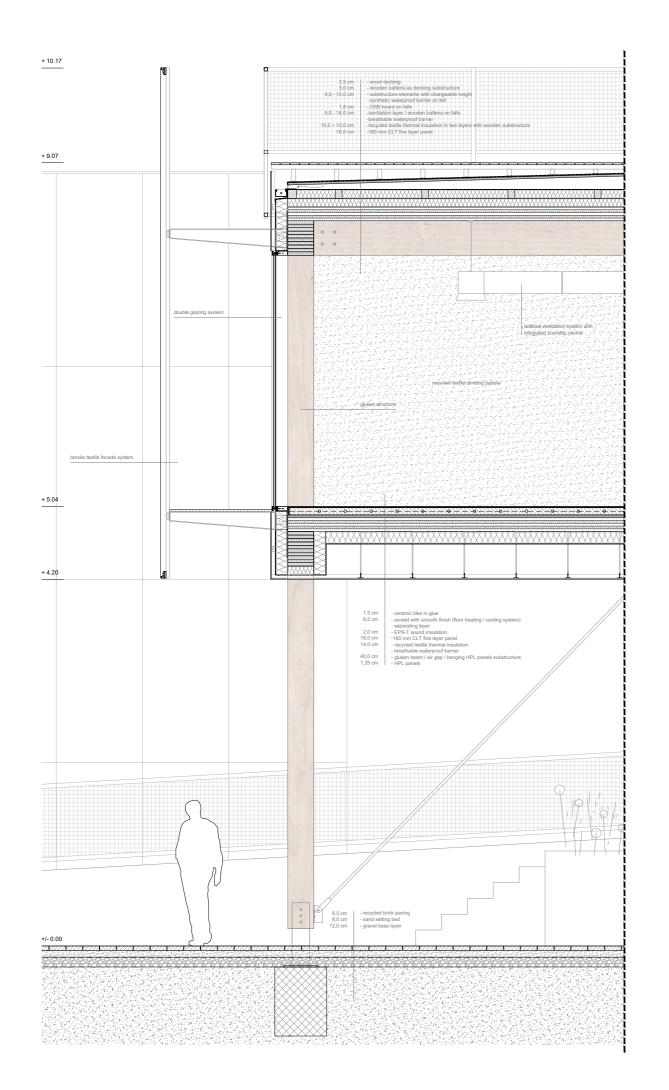


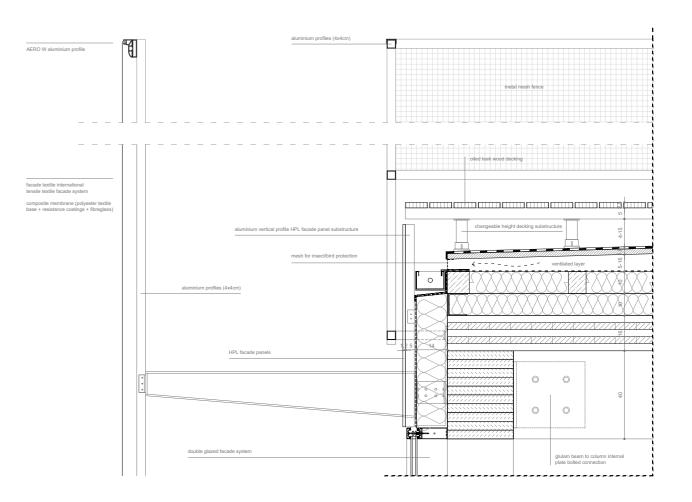
TAILOR

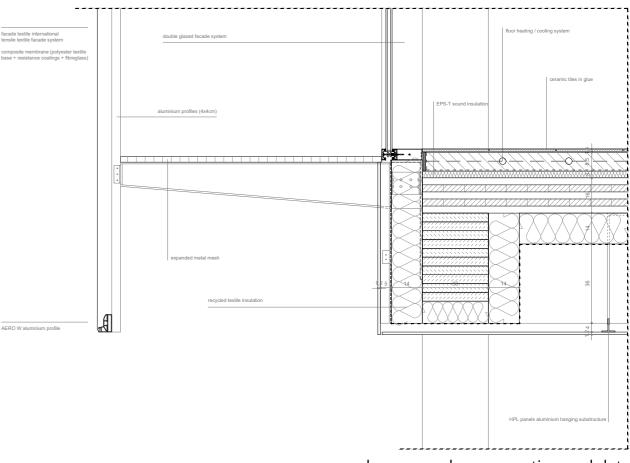








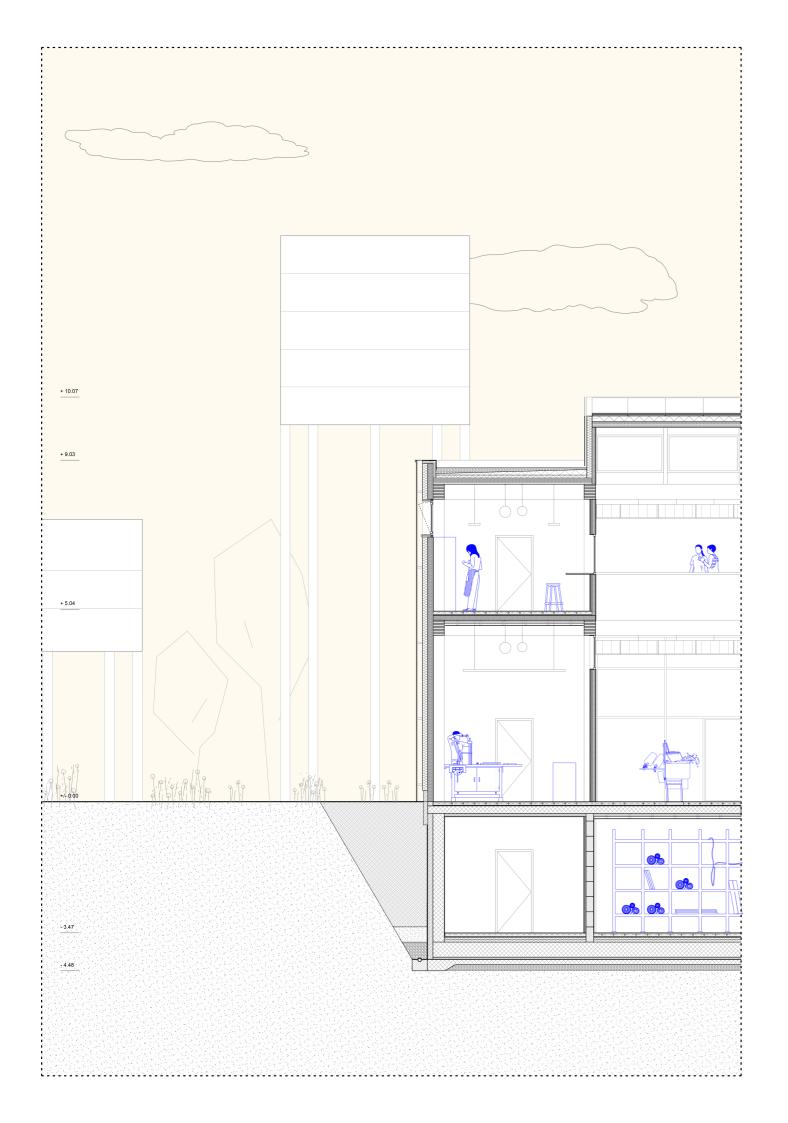


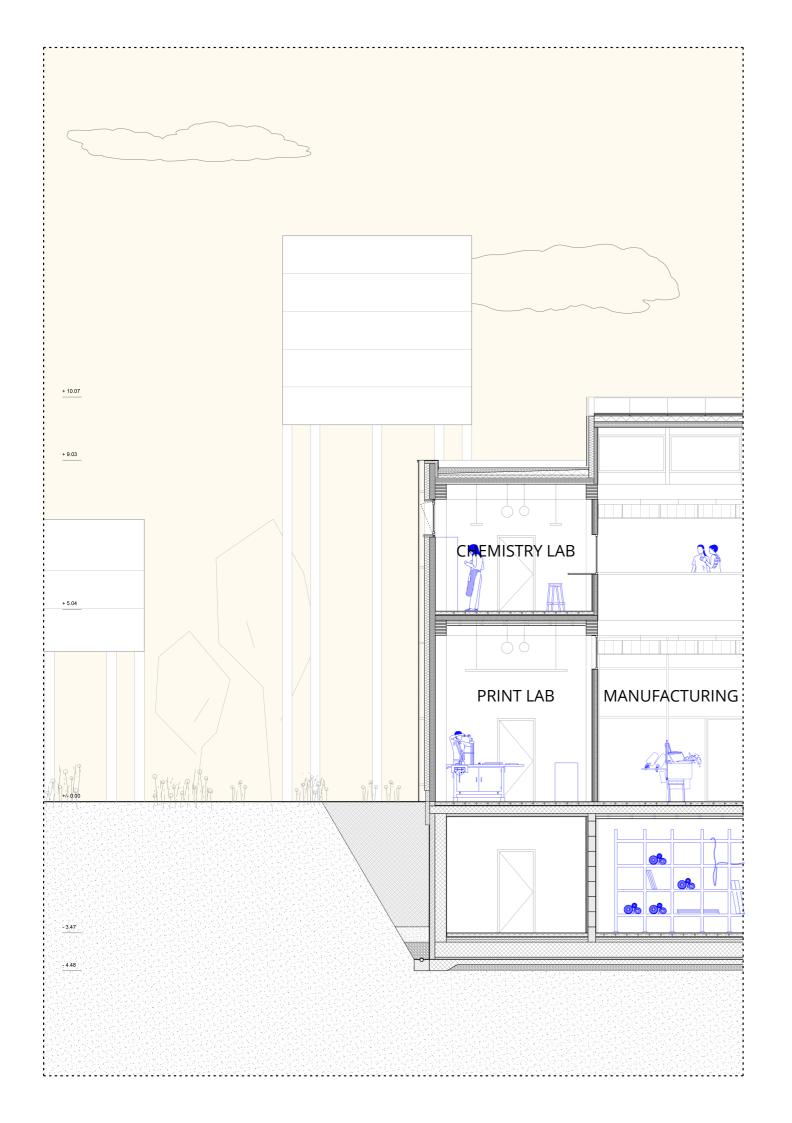


maker space close up section and detail

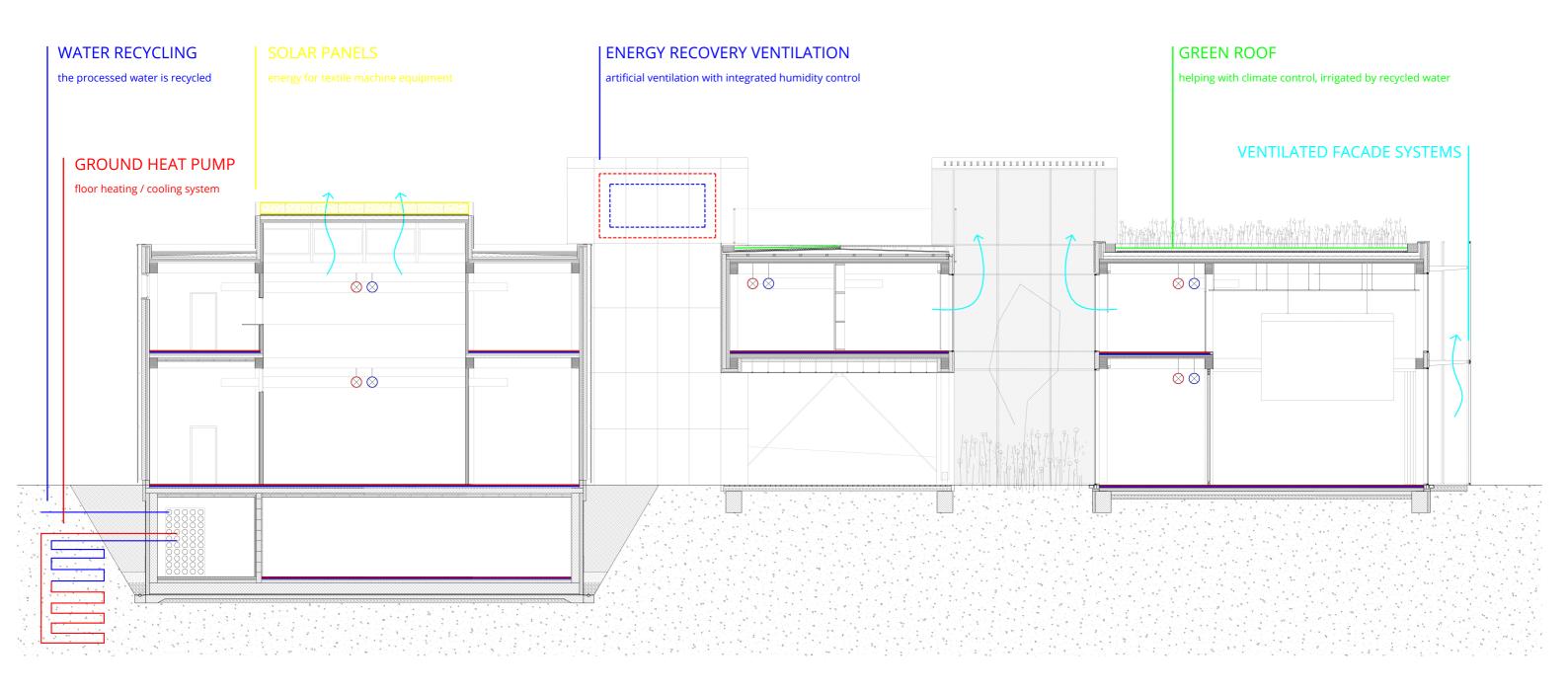


TEXTILE EXPERT

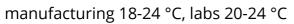










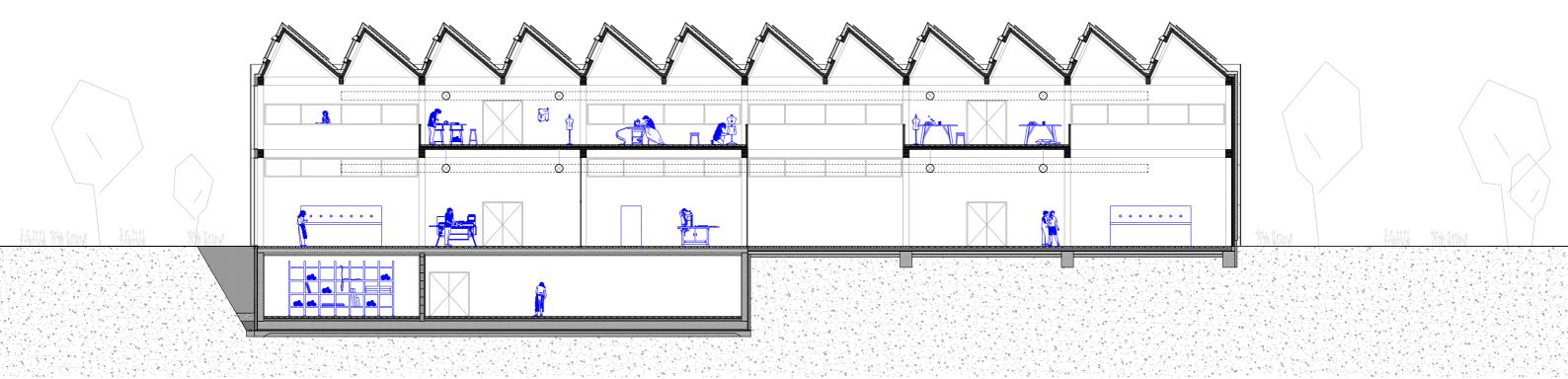


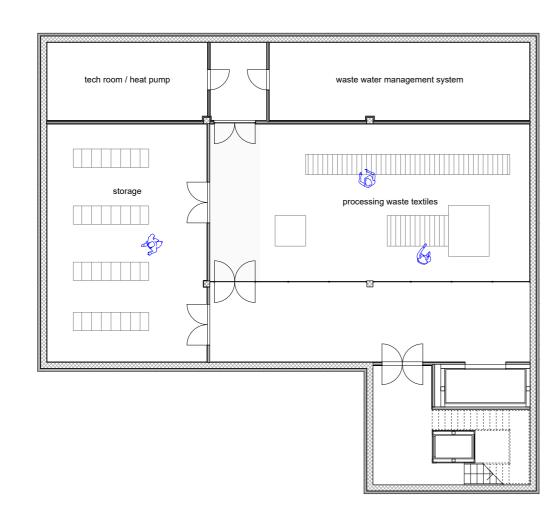


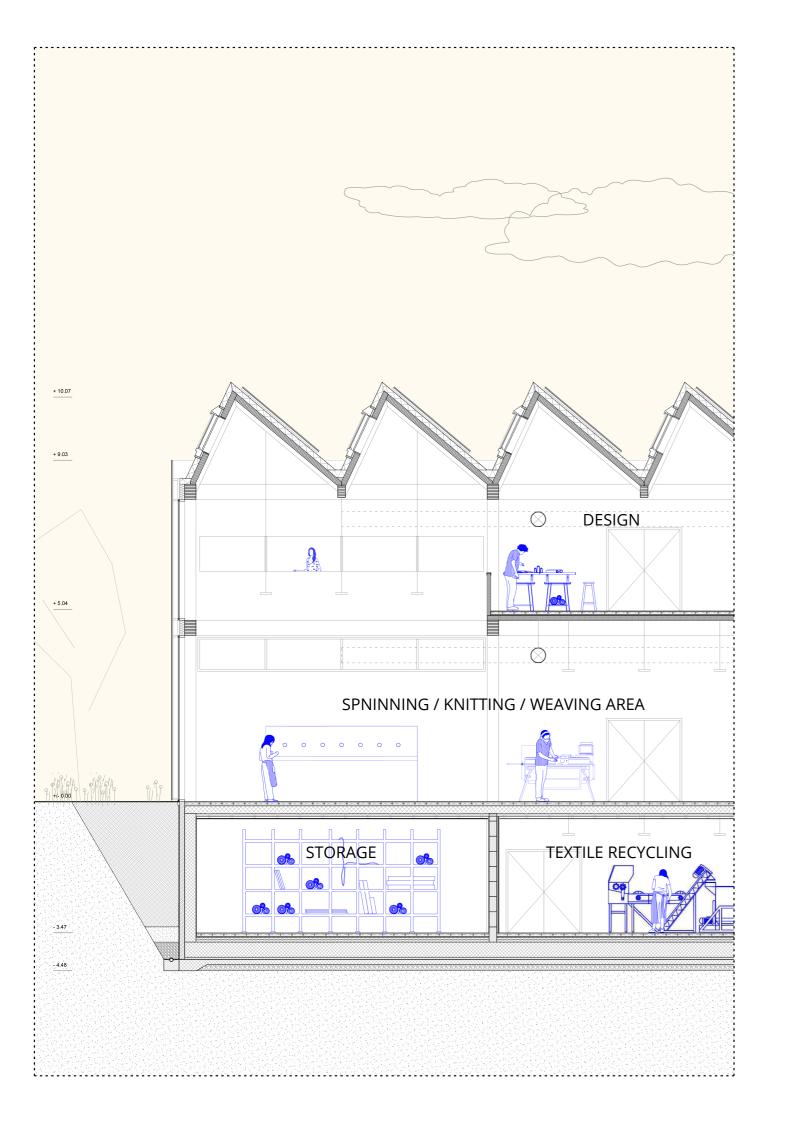
hand working 19-24 °C

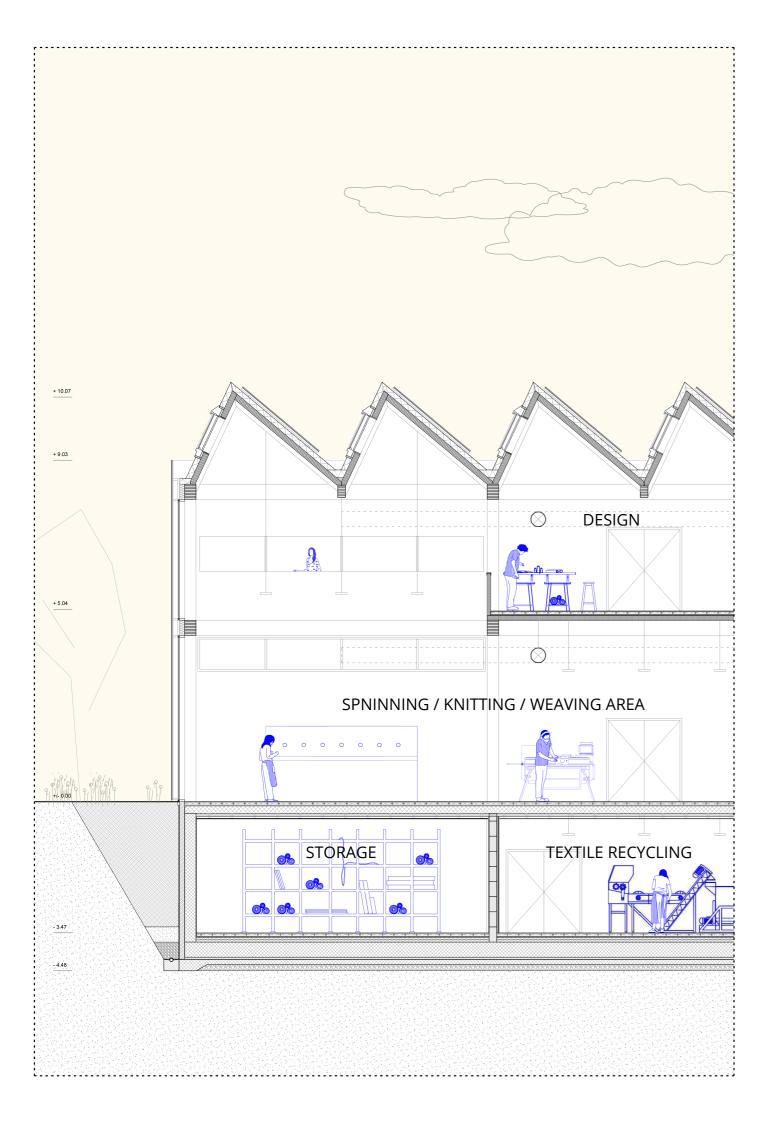


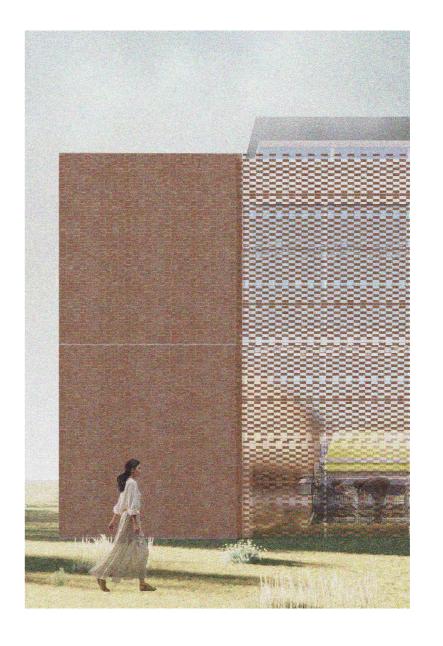
public spaces 20-24 °C

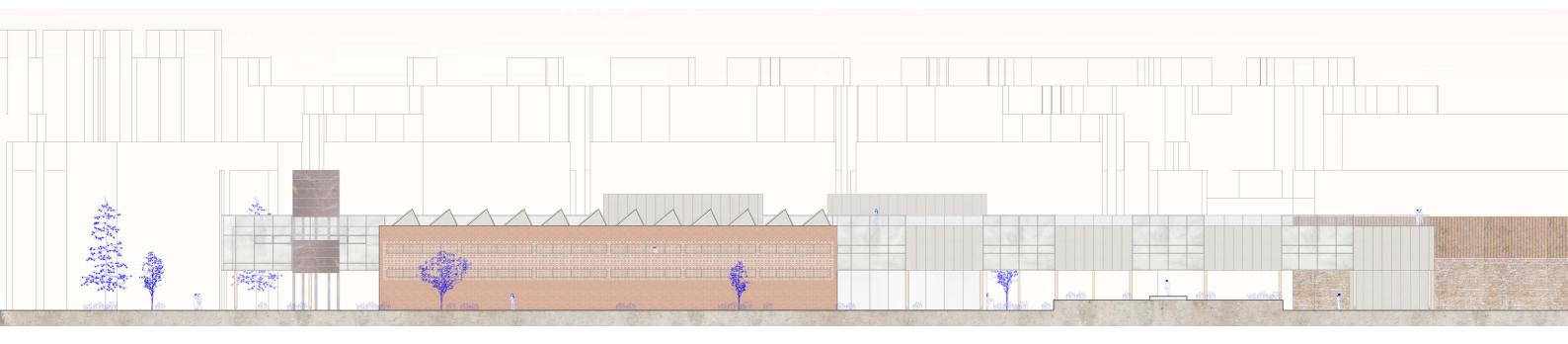
















in 10 years?

