

ADAPTIVE LVIV



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ESTIMATED NUMBERS

DISTRIBUTOR HUB
Distributor of the industrial waste heat from the nearby steel industry, **170 kWh** capacity battery storage and with local grid transformer for the incoming electricity from newly built renewable energies, such as medium-capacity **wind farms, PV and solar thermal energy**.

PUBLIC KITCHEN
The total number of public kitchens is **12**, which can provide shelter and essential needs for up to **900 people** at a time. Storage in the Public Kitchen enables supply in the event of a power outage.

WATER SENSITIVE URBAN DESIGN
The average Ukrainian consumes **131 liters** of water per day. Integrative urban water management will allow to collect and reuse a part of **748mm** yearly rainfall water in Lviv.

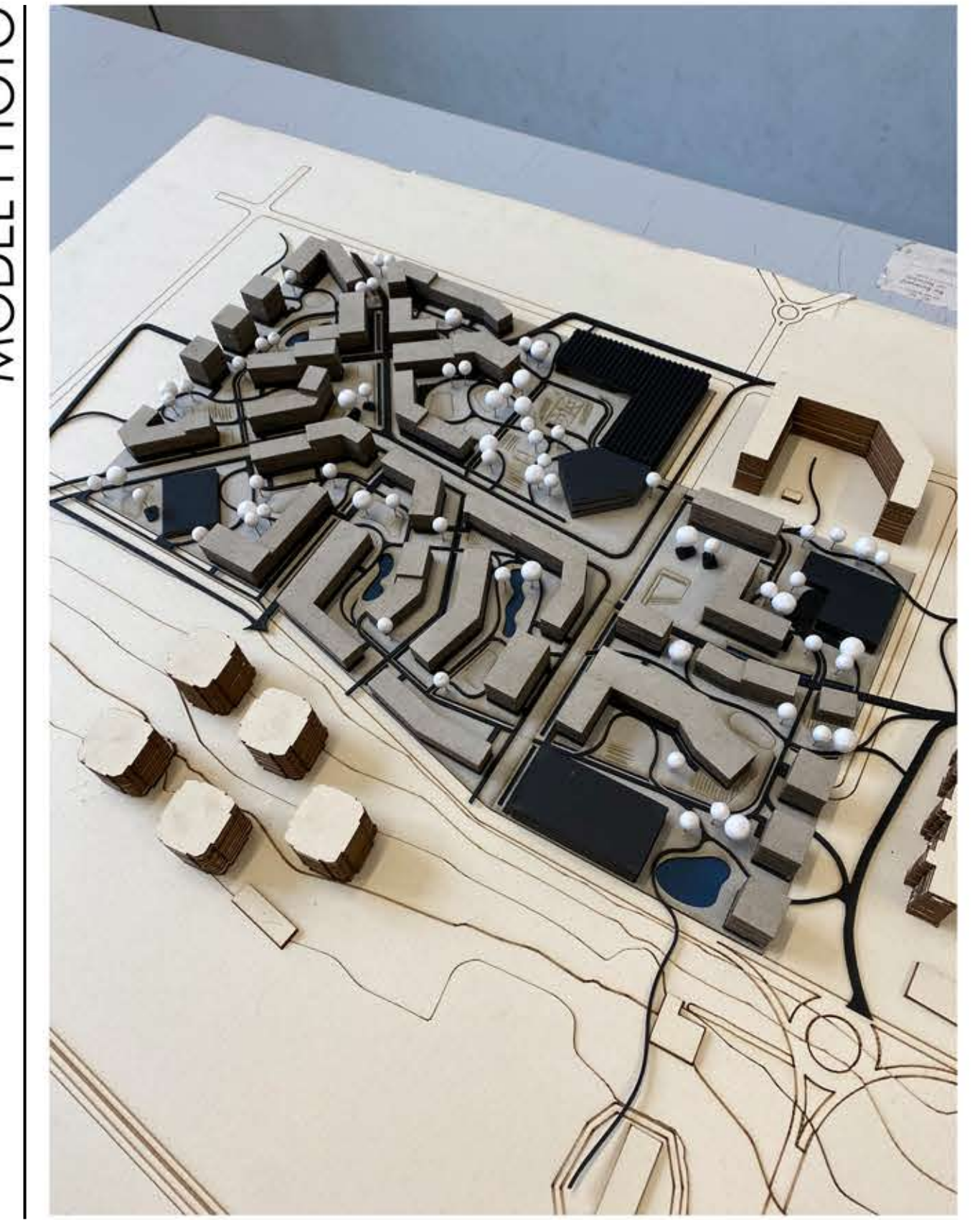
MULTIFUNCTIONAL BUILDING
The main urban typology is multifunctional buildings with a height of **4-7 floors**. With **GFZ 1.3-1.6**, the new district will become the center of community life in Ryasne.

PRIMARY INFRASTRUCTURE
Total of **9000 jobs** are created in different fields supplying **2500 new residents**.

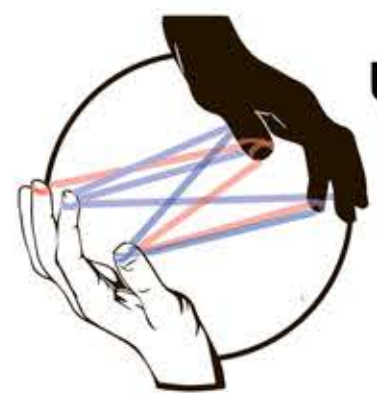
MASTERPLAN



MODEL PHOTO



UNITY NET



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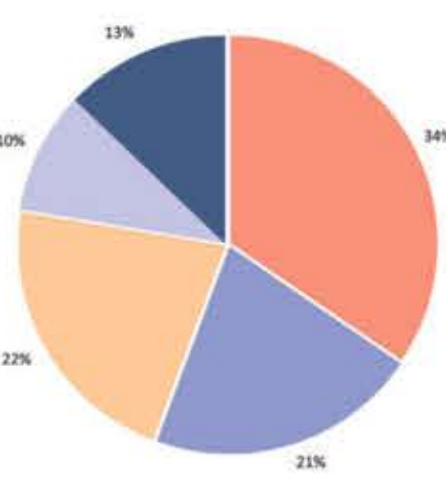
ESTIMATED NUMBERS

SITE AREA 100.922M²

DENSITY 1,55

- SHOPS | SERVICE | LEISURE 32.544,8M²
- EDUCATION | WORKSHOP | CAMPUS 14.187,3M²
- ACCESS, STORAGE ROOMS 19.106,0M²

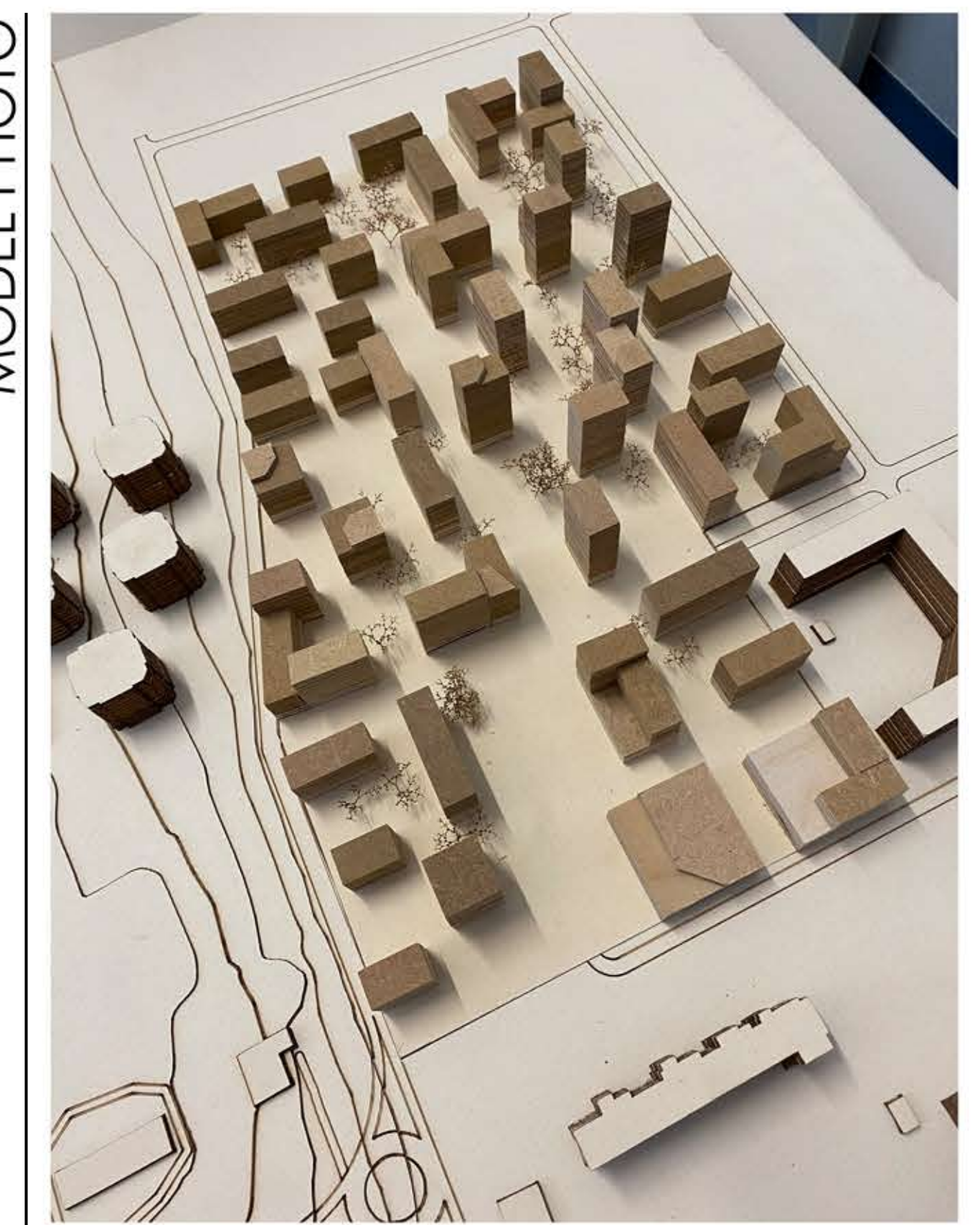
- SOCIAL HOUSING | TEMPORARY HOUSING 51.335,7M²
- PRODUKTION 31.482,6M²



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GREEN SHELTER



Green Shelter Ryasne

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ESTIMATED NUMBERS

0,29 GRZ



RESIDENTIAL
ca. 1880 residents
ca. 610 flats



EMPLOYMENT
ca. 520 new workplaces

2,27 DENSITY / GFZ



CULTURAL ACTIVITIES
for ca. 400 people
per day



SHOPS & RESTAURANTS
ca. 30 new

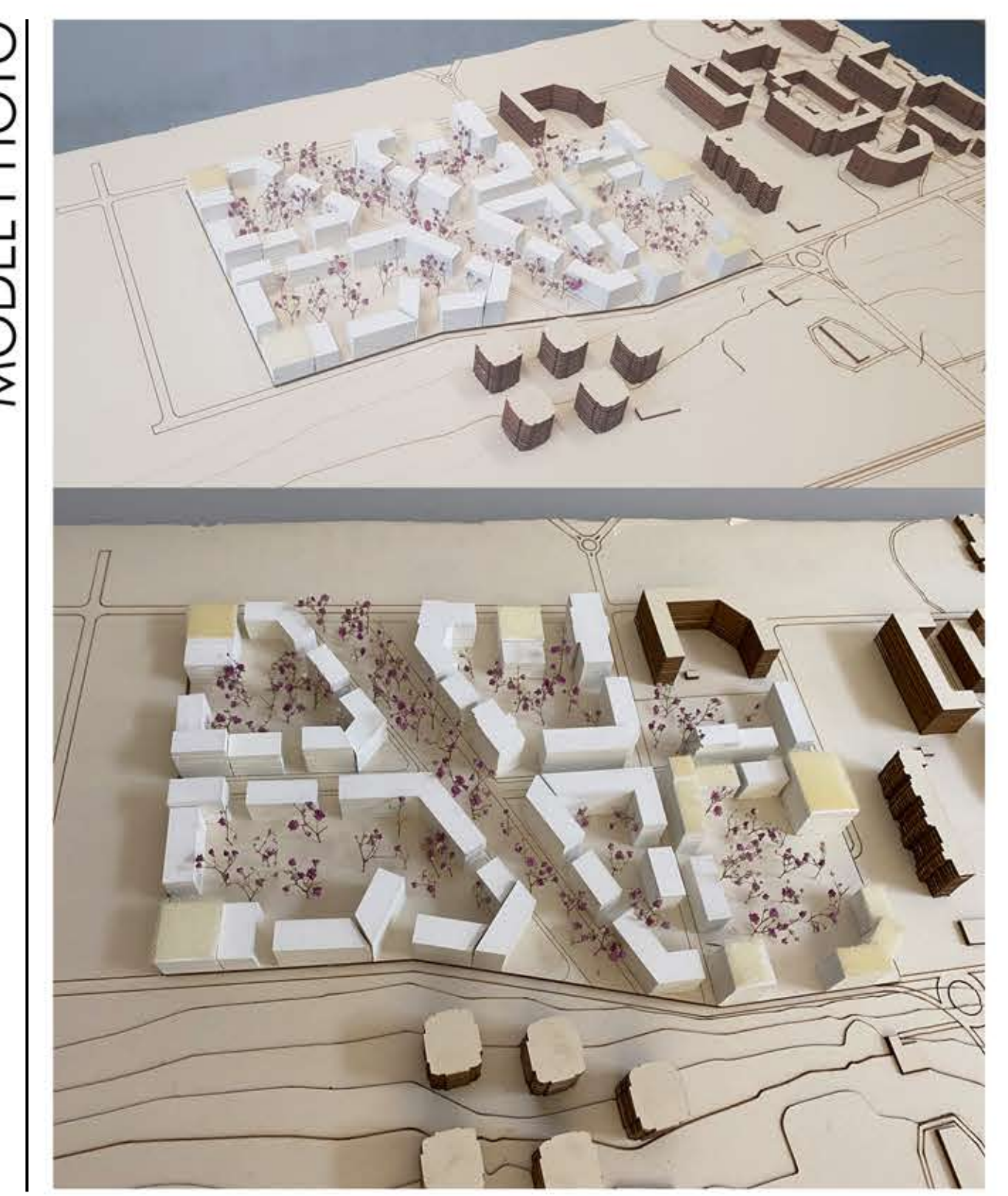


EDUCATION
180 students per the semester

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URBAN FIBERS



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ESTIMATED NUMBERS

plot area: 105 000m²
density: 1,3

mixed use 21%

living 49%

public park 24%

buildings 16%

production 25%

market ans sport center 3%

quarter 76%

open space 84%

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