

MITIGATION HUB

TEAM 162

One of the most distinctive characteristics of the human species is a relationship filled with change. Most beings go with the flow, adapt and evolve over time to adapt and accept the consequences of change, but unfortunately this is not the case with human society. Especially in the post-industrial revolution period, we have tampered with these flows so much that we seem to have lost control of these processes. To ensure future of our planet we must rethink everything we have. The transition in the energy production is the most important way to create a sustainable society and preserve the capacity of the planet.

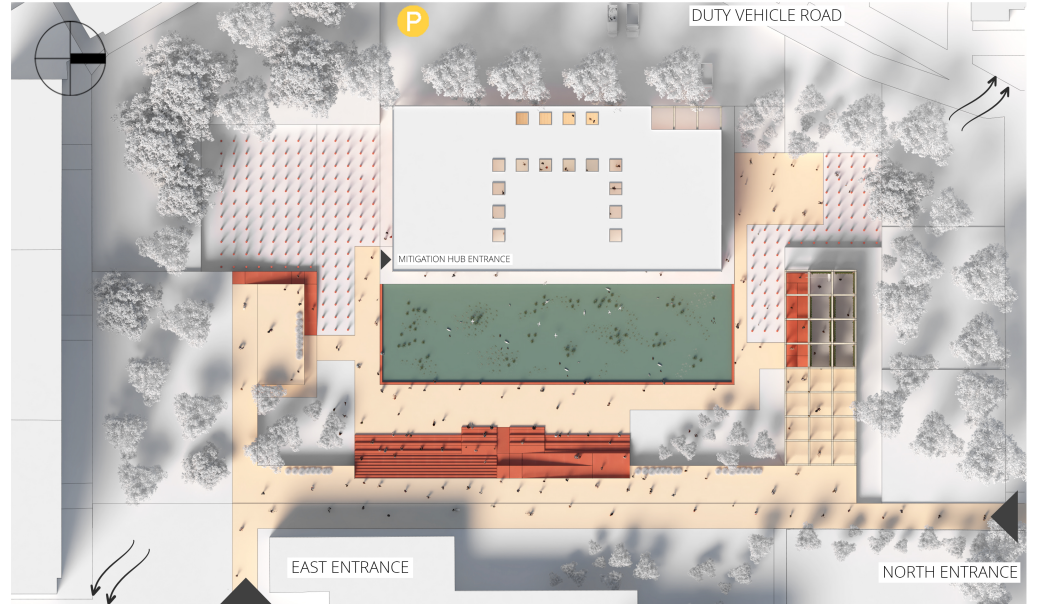
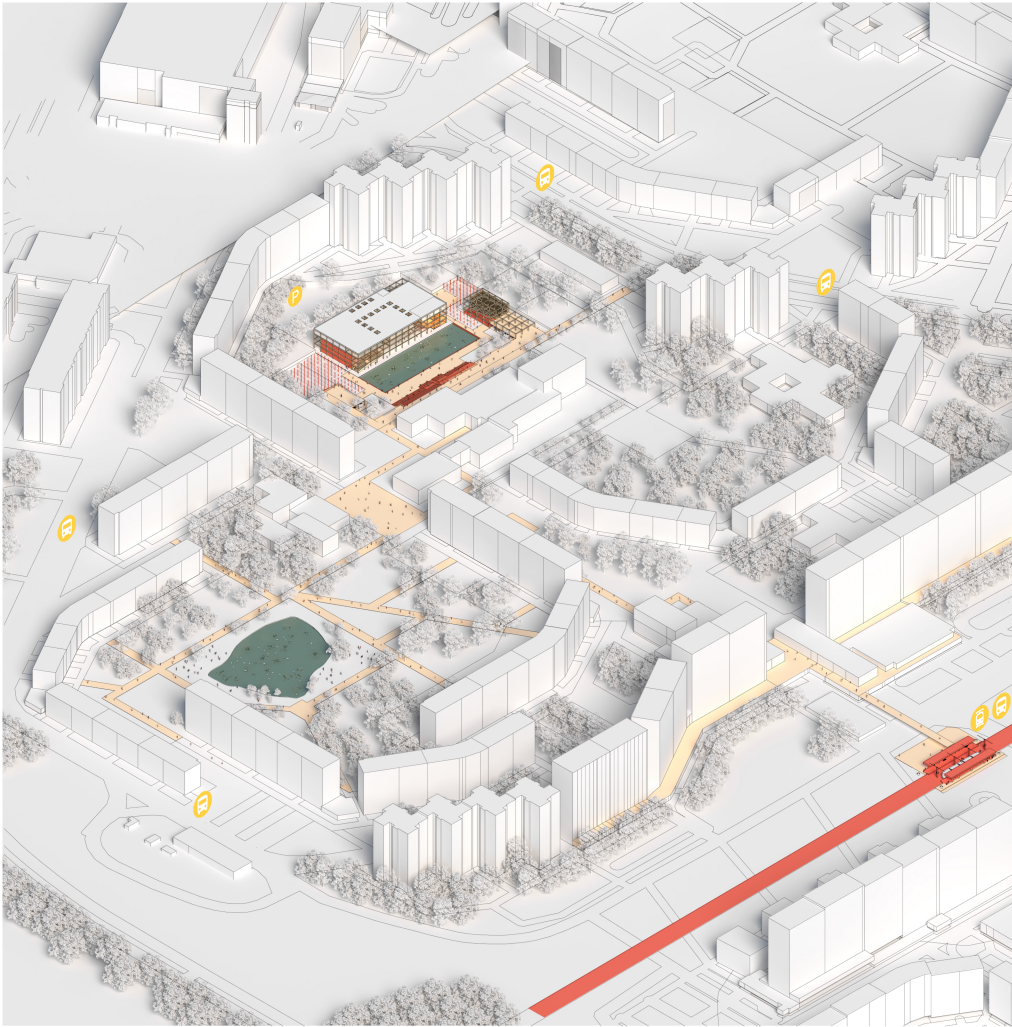
The transition to sustainable and green energy make the biggest steps taken in this transition. The major transformations we have made in the way we generate energy, which is our main resource in all our actions, are crucial to maintaining and improving the capacity of our world. At this point, as a part of this transformation, heat pump technology is a very important milestone in the transition to green energy. So for boost the green energy transition with multi-functional heat pump buildings, Bratislava, Petržalka region selected.

It was designed to have a production capacity of 10MW with ground source heat pumps. Additionally MITIGATION HUB have a research and development hub that focuses on developing new sustainable technologies and strategies for energy and material production, urban agriculture, and community development. It also have a public spaces, installation and exhibition areas, and recreational space that provides a peaceful retreat from the hustle of the city. Finally, main conceptual idea is to create collaboration that encourage producers, developers, citizens and politicians to influence and help them define their new strengths and responsibilities in the context of environmental, cultural and social developments and crises. The role of the hub is to initiate the reaction and provide control interfaces. These spaces are encourage designed and undesigned communication.



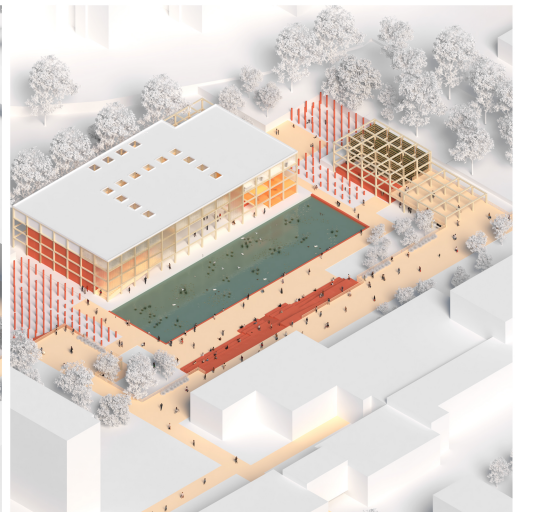
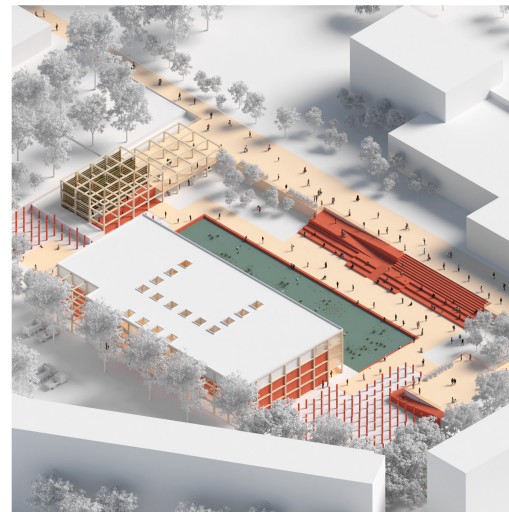
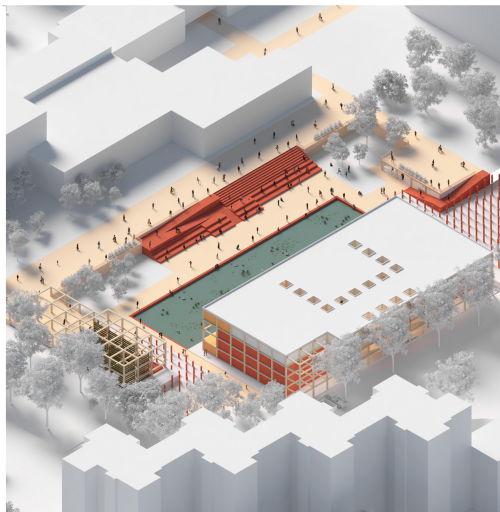
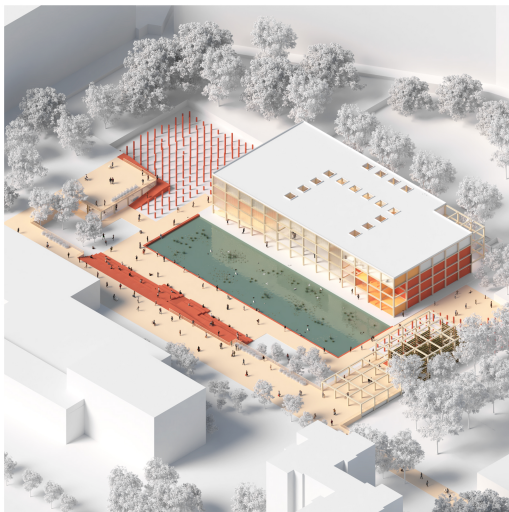
This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 864374.

MITIGATION HUB
learn-adapt-mitigate



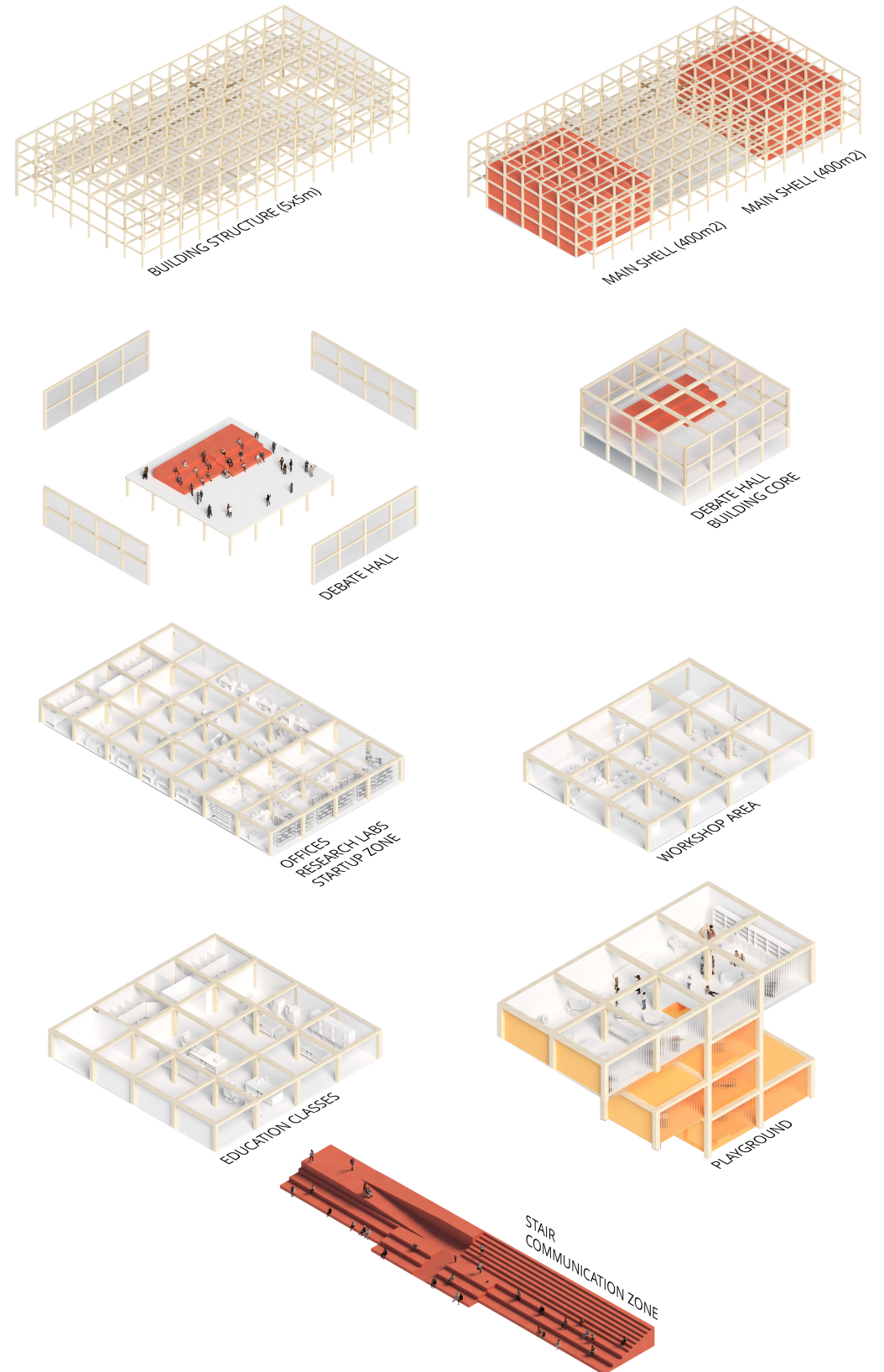
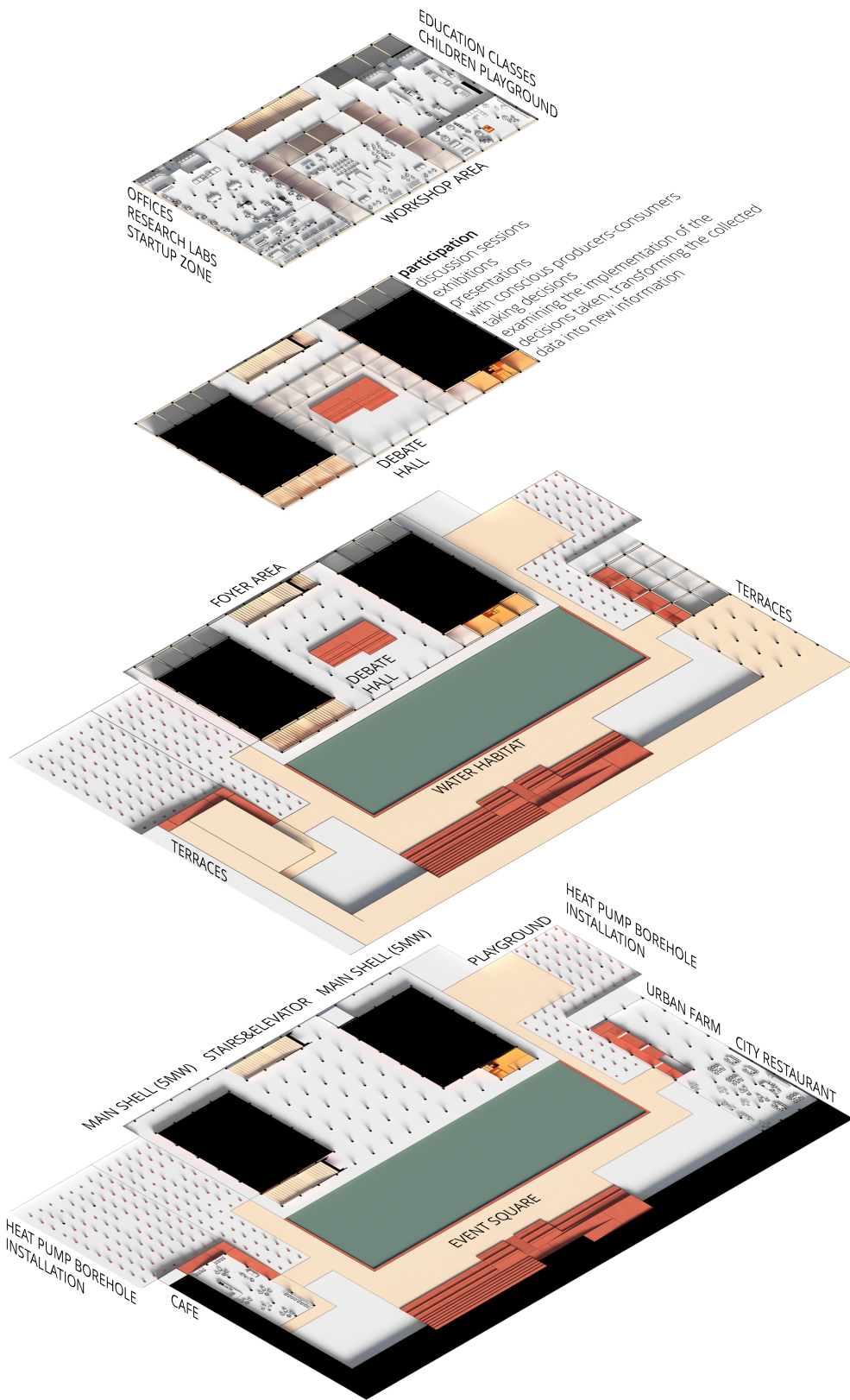
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Student competition 2023 | 162

Imaginative use of city space

Boost the green energy transition with inspired multifunctional technical buildings