Shape UP

a master thesis in architecture by Viktor Roos

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Synopsis

Last year Walltopia - a world leading manufacturer of artificial climbing walls and climbing holds, anounced that they would finally build their new headquarters. The idea was to build something that would host a combination of activities as well as offices for people working on designing, engineering and selling climbing walls.

The aim of the Center is to unite many popular activities in just one place, next to a major underground station. Avoiding the traveling between different locations, the Center will save time for people to invest in themselves doing sports, resting, networking, deinks and food or just having fun with friends. The plot will host both the program that reaches up to 6000 m2, and there will be a park with activitys next to it.

Main design qualities

The structure is offering an experience of natural climbing environments. The great view to Vitosha Mountains in the south from the bar, teracess connects the architectural experience and the nature. From the bar you get 360 angle to Mladost, inside and outside climbing walls, the park and Vitosha mountain. As much volumes, facades, roofs and floors ar used for active purposes. The structure itself is used for climbing, balconies, overhang for climbing, sledging and much more.



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Shape UP v.1.0 BETA

















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Background

Last year (2013) Walltopia - a world leading manufacturer of artificial climbing walls and climbing holds, anounced that they would finally build their new headquarters. The idea was to build something that would host a combination of activities as well as offices for people working on designing, engineering and selling climbing walls.

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Shape UP

Mladost new venue rising to the sky. Right from the metro station the eye meets a carecaristic sharp, but curved shape. Intriguing. The façade facing the city is in pine, at first glance, massive stacked laminated beams raised on a steel structure. But if you look again a playful longitudinal window setting appears, contributes to the massive impression.

The creation of something that is both nature and urban, meeting the scale of Mladost, meeting the scale of the beautiful Vitosha mountains.

The reinforced steel posts along the way draws the line for the city, which meets the nature. The urban cotext meeting the park in the housing. The contrasts is in focus.

Mladost new meetingplace rise from the ground. The

massive concrete blades penetrates the eart. The project looks into how to experience a built environment for movement and moving in nature - the mountain. It is developed along questions of spatial experiences, movement, relation of architecture to nature, city to environment.

Mladost III

Mladost, a fairly poor area of Sofia, is given an opportunity to experience climbing, sports and networking in their own back yard. The buildings aim is to welcome everyone.

Architecture in Nature

From the competition site, Vitosha Mountains lay in the sightline, just in between the worn out concrete constructions. The man built cover and the bare nature are two extremes -Nature, by just being nature and our houses, to isolate us from natures elements. The cover and the element, can they be one? That contrast is the most interesting at Mladost III; therefore I will use it in my project. How can this opposition be translated into one building?

Mountain and Climbing

Through out history, climbing high peaks has always fascinated mankind. This fascination will always be present in this project.

At first glance at a great distance - the structure invites for adventure.

When you get closer, you are feeling the height and power.

When you are inside, you will feel space and distances. The heights related to your own body and movement.

Main design qualities

The structure is offering an experience of natural climbing environments

The great view to Vitosha Mountains in the south from the bar, teracess connects the architectural experience and the natural. From the bar you get 360 angle to Mladost, inside and outside climbing walls, the park and Vitosha mountain.

As much volumes, facades, roofs and floors as possible are used for active purposes. The structure itself is used for climbing, scene area, balconies, overhang for climbing and more.

The area

Sofia is growing and sprawling along the metro routes. Mladost is a predominantly residential area in the southeast of Sofia.

In Mladost, the metro stops right at the end of the built environment.

The most common house type is approximately 14-storey slab blocks and some 23-storey tower blocks, in concrete. Between the houses, there are empty flat plans with grass and walkways. The condition of the houses varies, but most of them are in a really bad shape. Cracks in the façade, balconies and windows display the area's lack of resources and finances. The homemade solutions for windows and repaired balconies suggest that people control their own apartments. On the ground floor you can find smaller shops, but more often they are pure residential buildings.
























The expidition towards the summit. Climbing the Ridge, finding the ways with a varioty of experiences, look outs and exiting hights.



Different levels for dynamic experience. The indoor wood facade have large openings with windows, to let the room and ligt inside the programatic volume. The windows are placed in a seemingly random pattern to enhance the massiveness in the wood. Panorama wiew of the Site, with Vitoshas mountainridge in the background. Looking to the south.





Plan in aquarelle, org. 1:100 Entrance floor





Plans 1:400 Basement, 2nd-8th







B-B





F-F









































