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Posudek k diplomové práci Bc. Lucie Hanzlíkové

The theme of the diploma work of Ms. Bc. Lucie Hanzlíková is a combined athletics and velodrome stadium and its immediate surroundings in the city of Brno. The combination of velodrome with another sports function is quite common because of the large interior surface area within the velodrome circuit. The bowl design is contrary to most monofunctional stadiums quite challenging because of the curved and banking track. The program in this project had additional requirement to house also research facilities for the Faculty of Sports Studies of Masaryk University in Brno. Furthermore Ms. Bc. Lucie Hanzlíková also investigated and designed the surrounding greens and facilities of the stadium to increase the value of the project for the citizens living around the stadium.

The design for the immediate surroundings proposed extensive tracks, sports fields, and leisure- and activity fields in the park. Together with the stadium design, this will create an activity- and sports-hub in Brno.

The site for the stadium is sloped, which gives the opportunity to open the below-sports level (1PP) to the park in the North-West of the stadium. The indoor training tunnel is visually connected to the park, increasing the relationship of the building to the site (also with access to bar & club). Additional circulation paths alongside the raised terrain and on sports-level stress the continuous shape and movement of the building, and add visual and experiential relation of people with the building. The roof shape is developed from a hyperbolic paraboloid with two different height corner points along the diagonal. Thus, the roof has a very dynamic shape that is highly appropriate both symbolically (representing “speed” for velodrome function) and functionally (forcing water to be drained from the roof). The roof is elegantly solved with additional openings oriented towards the North.

The bowl offers seating for about 2500 spectators in fixed seating and additional 600 seating on mobile tribunes, allowing various uses for the space. The interior space is free of construction, leaving unobstructed viewing from any place in the bowl. The sports-level 1NP also features functions like restaurant, souvenir shop, conference rooms, and office space for stadium management. Most of the functions are located below-sports level on 1PP: training, maintenance, media, medical, changing rooms, storage, workout, MU research, and so on. Ramp and staircase bring the athletes and employees from 1PP to sports-level 1NP.

Ms. Bc. Lucie Hanzlíková has successfully solved a very complex programme, resulting in a building design that also aesthetically is very pleasing and appropriate for the function of a velodrome. The landscaping design firmly anchors the stadium in the site, and will provide a valuable sports-hub in Brno. For this reason, I propose for the project the mark ‘A.’

Yours sincerely,

doc.Dr.Ir. Henri Achten