

NATIONAL CYCLING CENTER IN SLOVAKIA



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1. PROJECT OBJECTIVES

Main goal of the project is to build National Cycling Center as a multi-sports complex for cycling sports including conditions for all season operation of all cycling disciplines except MTB Downhill. National Cycling Center will serve for a full-fledged training activity and at the same time it will be a spot for organizing races with a domestic and high class international events. It will also serve to develop professional cycling at the highest level, to support development of young talents and to take advantage of active leisure activities for the general public, from children to senior categories. In addition to the sports part, accommodation and regeneration facilities will be also included .



2. PROJECT DESCRIPTION

National Cycling Centre will take an area of 227 927 square meters.

The unique National Cycling Center (NCC) will create a training and racing area for seven major cycling sectors: Road Cycling, Track Cycling, Mountain Bike – cross country, Cyclocross, BMX racing/freestyle, Trials and Indoor Cycling.

The sports part will be supplemented with operational areas, accommodation-regeneration and rehabilitation area, service center and training fields. This will create an assumption not only for training activities, but also for the organization of international events, sports camps for the children and youth, training athletes, coaches, referees.

Road Cycling

Along the perimeter of the area, a circuit with a road construction for passenger cars with an tar surface in the length of 1000 - 2300 meters and a width of 7.50 m will be created for one of the road disciplines - criterium. This will be connected with the car circle in the length 5900 metres. In total the circle will be around 8000 metres. Barrier-free accessibility in terms of contact with road transport will be ensured by establishing a high-level interconnection at the point of contact with the public road and also will be connected in two places with car circle Slovakia ring laying in the neighbourhood. The start and finish will be on the basic compositional axis of the area. Timekeeping will also be located here. The proposed solution will allow events to be held without the need to obtain various permits, which is financial burden and time-consuming for organizers and restricting other forms of transport. In the agreed terms the circuit will serve for the public and other sports: inline skating, running, walking.



Track Cycling

The Velodrome, which is one of the dominant features of the complex, will enable the organization of international events as well as the extension of training opportunities in case of unsuitable outdoor weather conditions. An oval with a track length of 250 meters will meet all UCI parameters for holding the highest category events. Wooden track surface, its width 8 m with a radius of arc 20 m, along the perimeter of the track with a grandstand.

Under the grandstands along the perimeter of the track there will be additional technical areas and rooms of the velodrome and sports clubs, club rooms of sports youth. The facility will also contain the areas necessary for the organization of events - changing rooms, areas for the preparation and operation of catering facilities, service and technical areas, regeneration areas and gym. The velodrome building will be probably directly linked to the accommodation facility and the accompanying parking space.

Slovak Cycling Federation has already discussed technical details of this work with the experts in sports and technical constructions. The static study, prepared in cooperation with the Faculty of Civil Engineering of the proposed hall, is attached as an annex to this project. Only a few companies with category 1 UCI certificates are involved in the construction of velodromes worldwide.

Mountain Bike – cross country

In the position between the buildings and the area of the cycling track, the MTB XCO circuit will be a part of the National Cycling Center, which can also be used for cyclocross by a small change in the course direction. Start and finish on the basic compositional axis of the area, will enable the creation of a track in the size of 2000 - 4300 meters, meeting the UCI parameters for both disciplines. Short MTB circuits develop the rider's technique, their explosiveness, and is therefore an excellent complementary tool for road cycling or other sports.



Cyclocross

The circuit of mountain bike can be used also for the discipline of cyclocross after small modifications of the track changes. Cyclocross is the only outdoor discipline which race is held in the autumn and the winter. They are held similarly to MTB races on closed circuits with a length of 2500 to 3500 metres. On the circuit there are sections with different surfaces - grass, clay, cubes, hurdles and steep grades, where riders have to jump off the bike and carry the bike. The race usually takes from 30 minutes to an hour depending on the category; the total length also depends on the conditions. Like MTB, this discipline develops rider technique, their explosiveness and immediate decision making, and is used by many other sports as an additional training tool.

BMX racing/freestyle

Another dominant feature of the National Cycling Center will be the BMX track, meeting international UCI parameters. The track, which is approximately 370 metres long, is adapted for a number of jumps. This cycling discipline develops speed and explosiveness, as well as a sense of technique, decision-making speed and bending power, making it a suitable training complement to all other cycling disciplines. It is a sport that develops not only physical fitness but also their individuality, dynamism, aggressiveness, speed of thinking, decision-making and reactions. Its advantage is the fact that it is suitable for development since the youngest age, since the children can ride alone to the adulthood. There will be also a separated and individual BMX freestyle area. Thanks to the high speed and technical demands, the race is also attractive for spectators.



Trials

In relation to the BMX space there will be a cycling area. Trials is an individual cycling sport, the essence of which is riding a special bike on natural or artificial hurdles in order to obtain the minimum number of penalty points. Penalty points are awarded to the rider based on the number of pedalling, physical contact with the ground and hurdle. The layout of the trial elements will be modified according to the real requirements and morphological characteristics of the terrain. In the world it is an extremely attractive cycling discipline exactly because of its technical demands and spectator attractiveness. The races are often held directly on historical squares in the centers of famous cities (Krakow, Antwerp). World leader and multiple world champion in this discipline in the category of women is our Slovak, Tatiana Janickova.

Indoor cycling (artistic and bicycle ball)

In the velodrome area there will be a central area, which will be created as a multifunctional indoor sports ground. Due to its dimensions, it will allow other indoor sports and will create conditions for indoor cycling trainings and competitions, whether artistic cycling or bicycle ball. The central area of the velodrome can also be used as a basketball, tennis, badminton or other playground.

With indoor cycling, Slovakia is currently achieving great success even on international level. Indoor cyclists are in the front of the European ranking and have won bronze medals at the World Championships in the last two seasons.



3. ACCOMMODATION AND BOARDING OF ATHLETES AND REGENERATION

The part of national cycling centre will be the accommodation for approximately 100 persons. There will be ensured high-quality boarding (food and meals) for participants and accommodated guests. The part of the center will be also the regeneration area including wellness and fitness center.

There will be the congress rooms and facilities, which will serve for training the athletes, coaches, technicians and physiotherapist.



4. BENEFITS OF BUILDING THE NATIONAL CYCLING CENTER

Based on the above characteristics, we can summarize the benefits of building NCC:

- national cycling representations and clubs will have a complex and complete arrangement and facilities during their training camps (training, accommodation, regeneration, boarding in the attractive silent environment).
- the creation of a multi-functional center for holding events at the highest international level,
- the creation of a multi-functional center meeting the needs of all-round training for athletes,
- the creation of a safe area for training of top athletes, beyond the cycling sectors,
- creating a safe area for organization of races,
- creation of a multi-functional and safe center enabling active sports activities for the general public (from top athletes, through hobby athletes to families with children),
- creating conditions for quality training in specific cycling disciplines,
- the creation of space for organization of holiday sports camps for children and young people,
- minimizing the preparatory phase of organization of a race, involving the request for traffic restrictions,
- minimizing road transport restrictions in organizing trainings and races,
- reducing the costs of organizing races by creating an area with all the necessary facilities,
- year-round availability 7 days a week,
- promoting the healthy lifestyle habits for the general public.



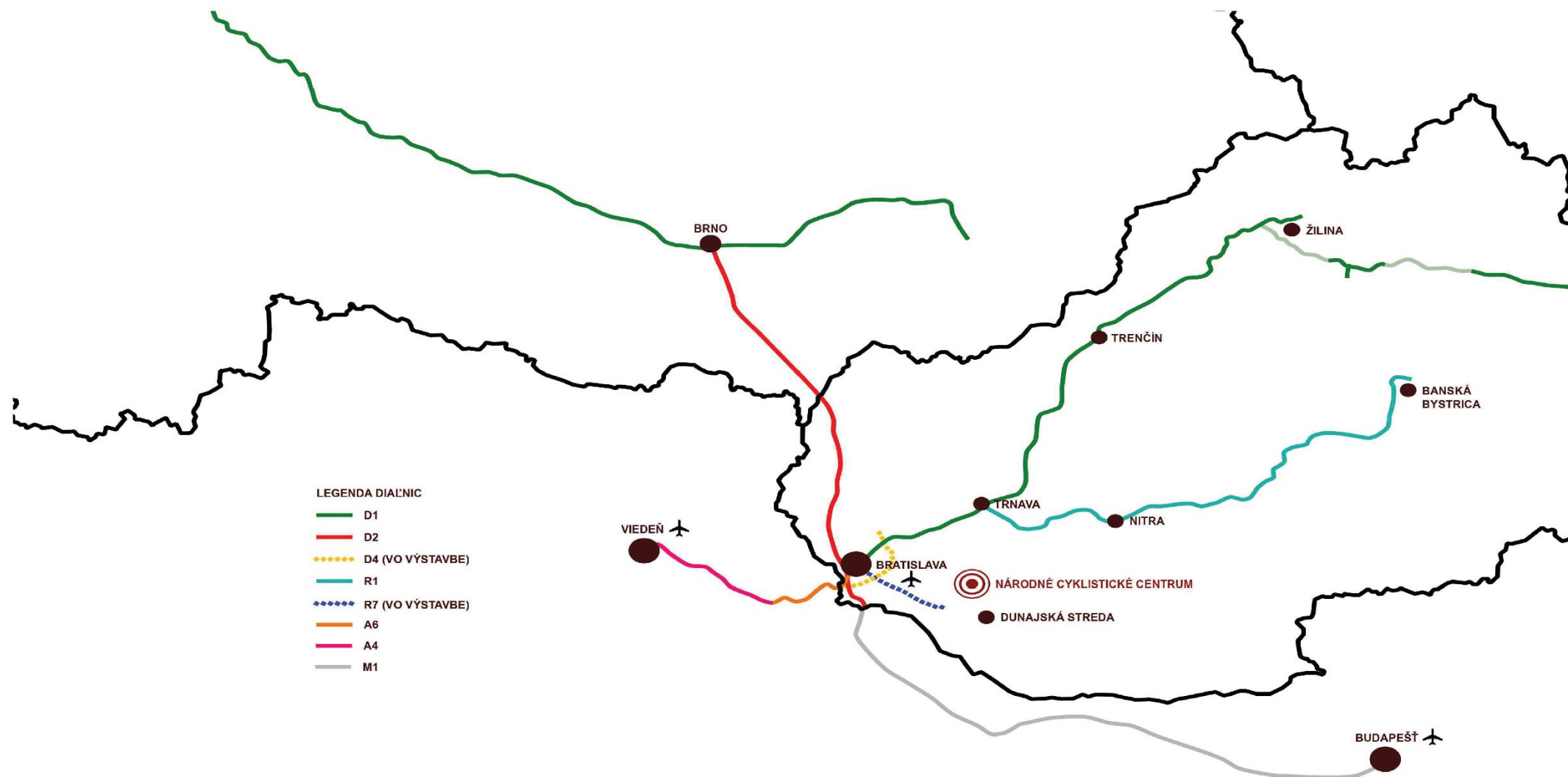


MOODBOARD



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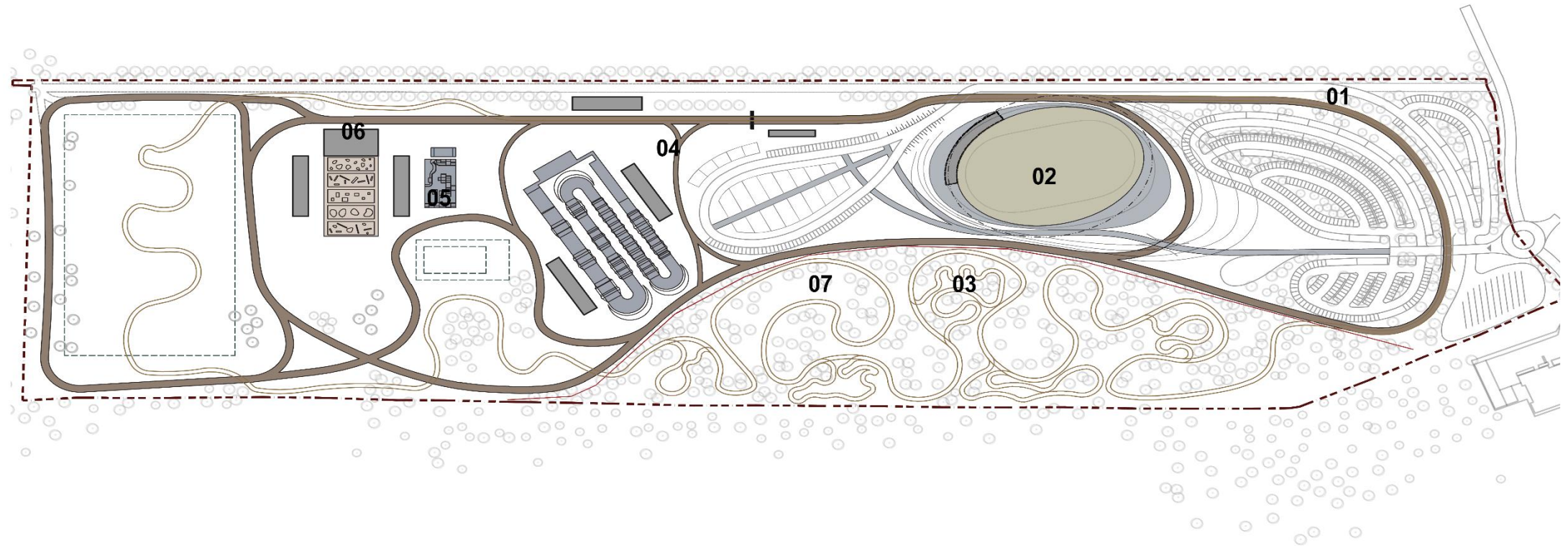
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01 CESTNÁ CYKLISTIKA



02 DRÁHOVÁ CYKLISTIKA



03 CYKLOKROSS



04 BMX



05 BMX FREESTYLE



06 CYKLOTRIAL



07 MTB CROSSCOUNTRY



SITUÁCIA - DRÁHY

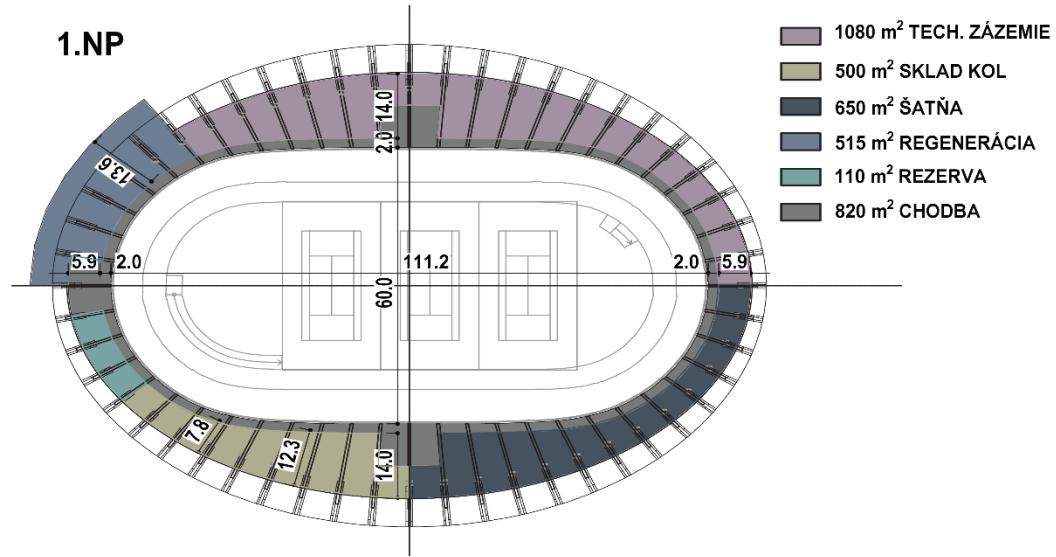

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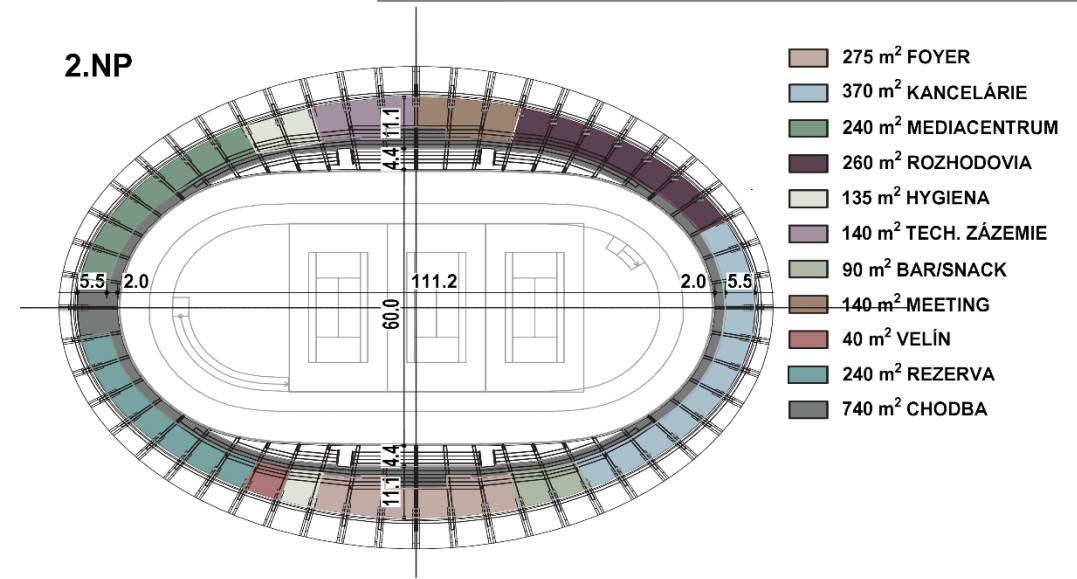
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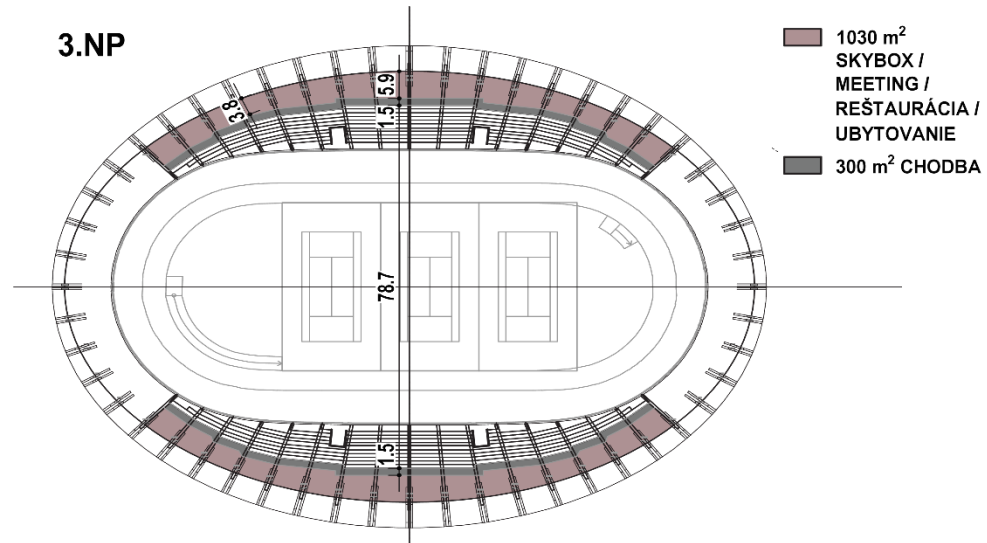
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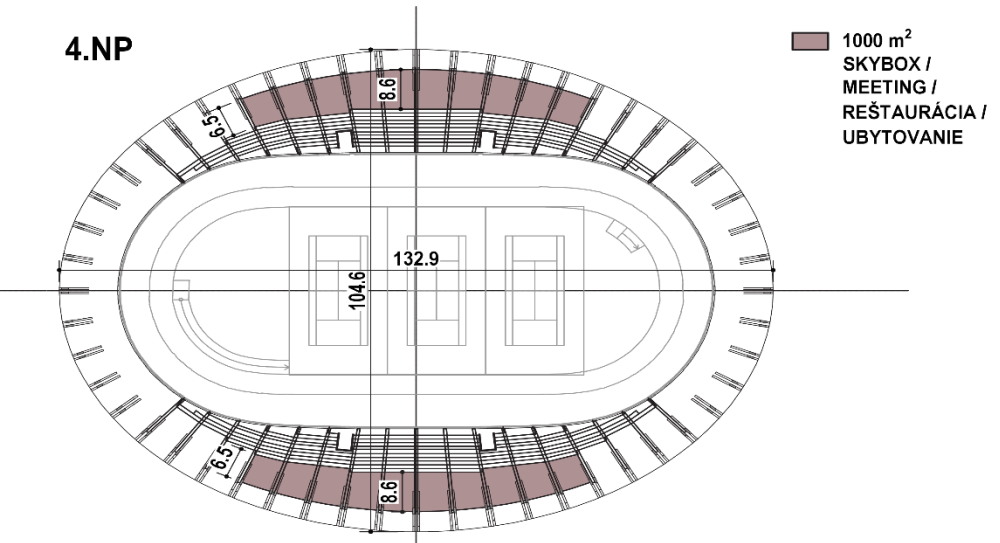
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3.NP



4.NP



VELODROM FUNKČNÉ VYUŽITIA

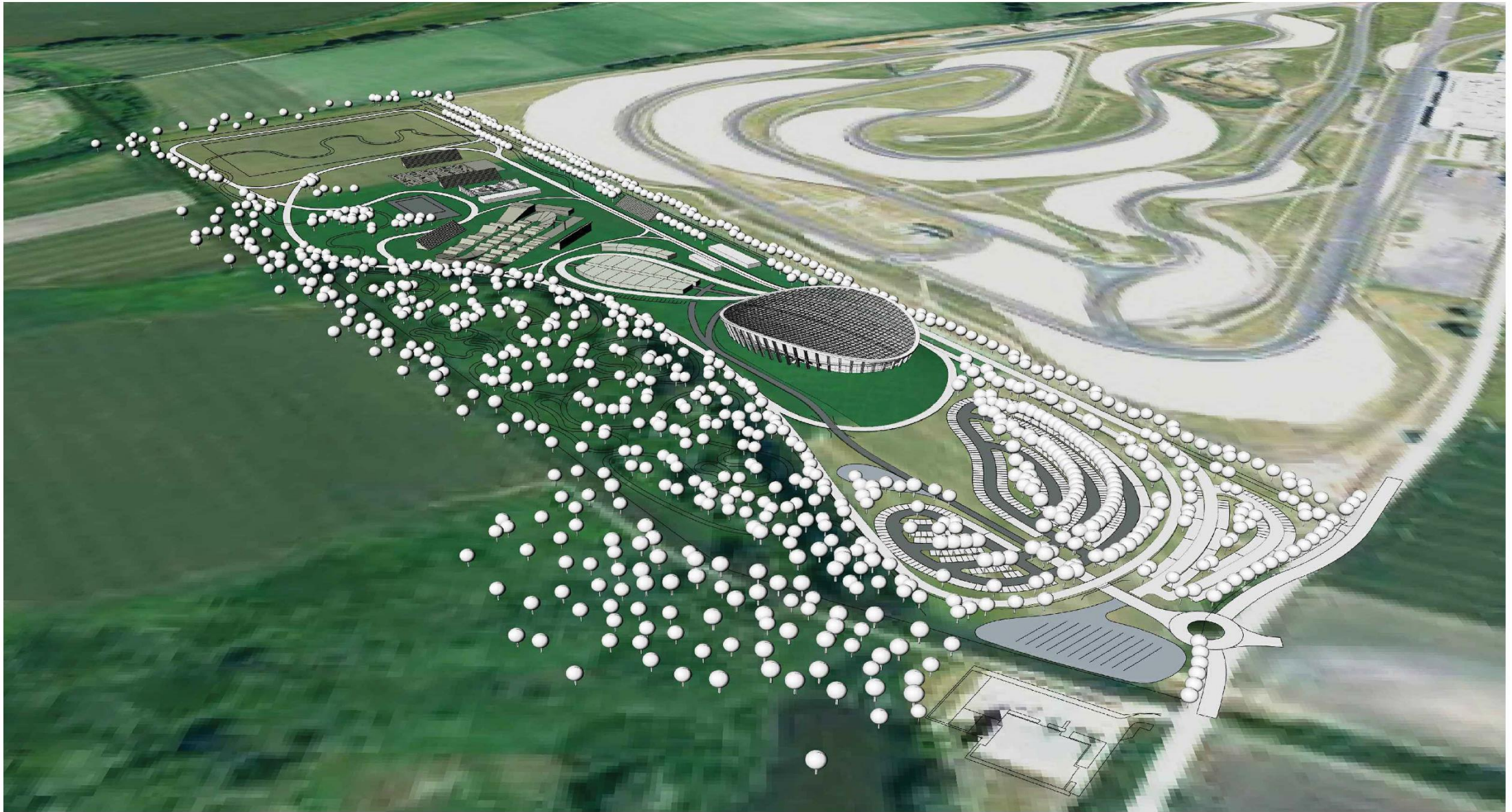
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ROZMIESTNENIE FUNKČNÉHO VYUŽITIA JE SCHÉMATICKÉ



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3D SCHEMA

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THANK YOU FOR YOUR ATTENTION

