



## DIPLOMA PROJECT | SCIENCE CENTER | HOLEŠOVICE, Prague 7

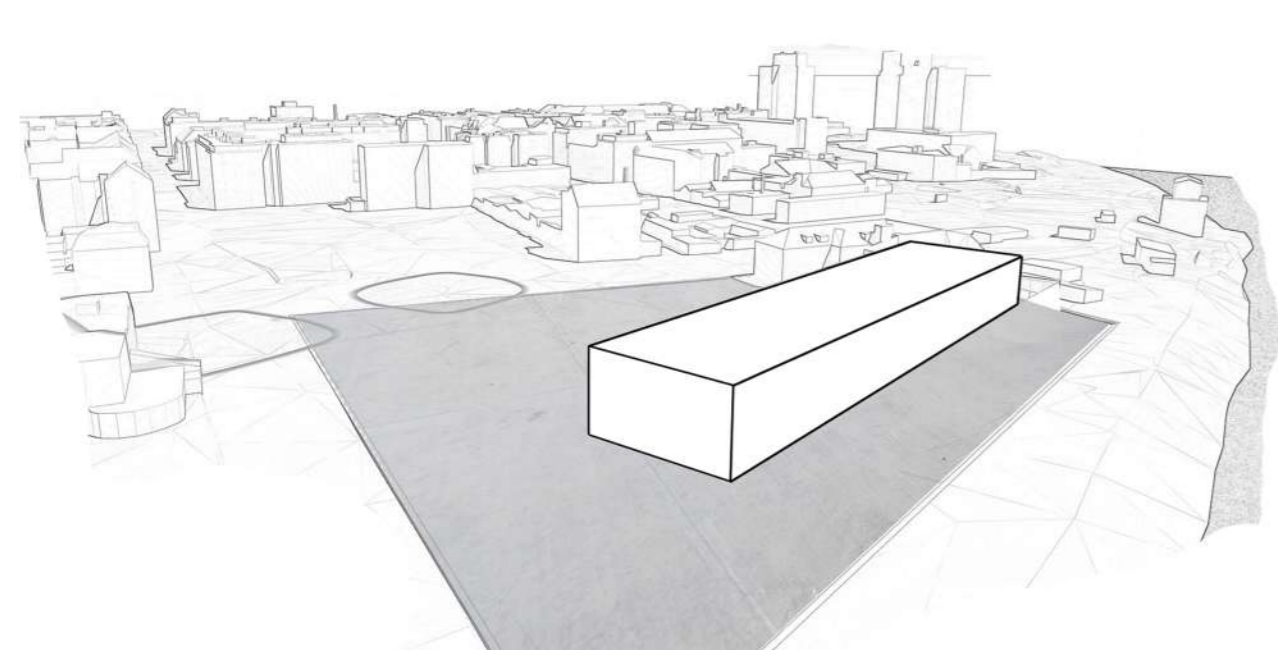
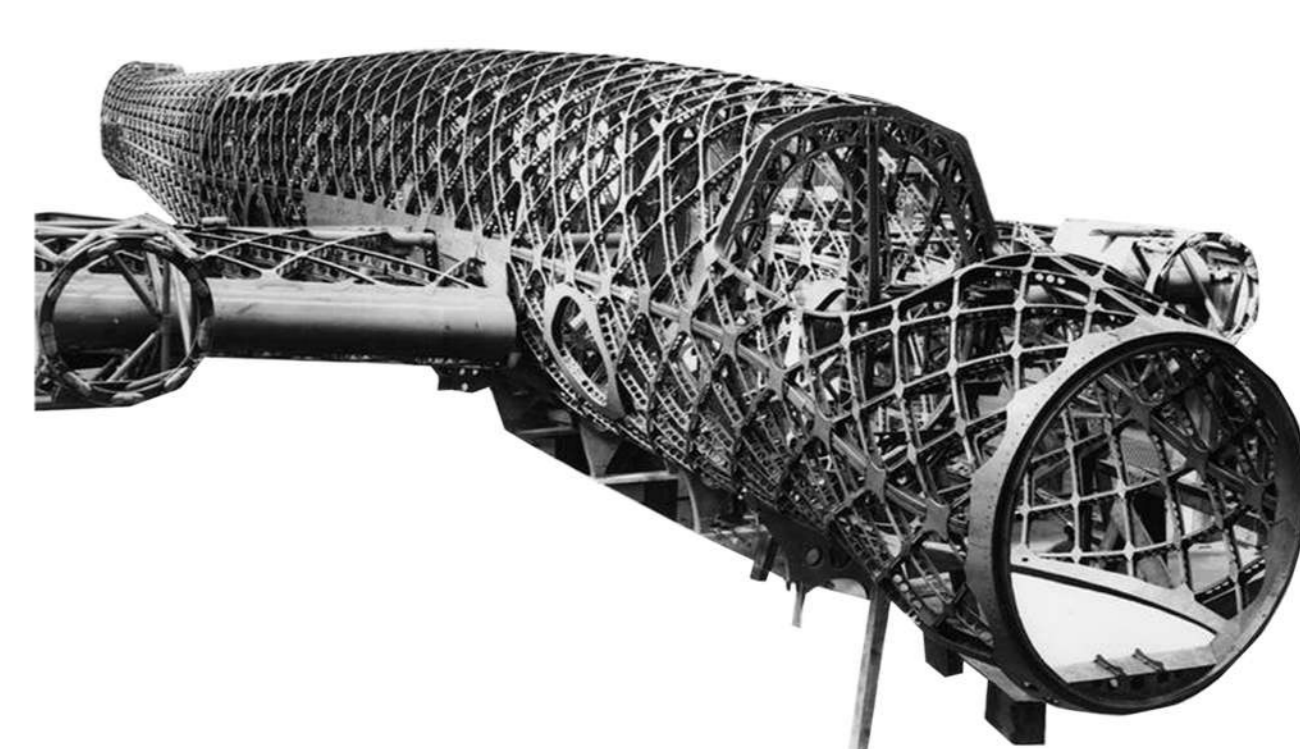
### AMBITIONS

The urban concept is based on the principle of dialogue between architecture and environment with due consideration to important factors, such as preserving the view across the River Vltava and protecting the surrounding historical buildings in order to create an attractive ambience. Reflection of the river and surrounding nature as well as the industrial buildings, were the reasons for bringing on this glass envelope around the object which will in the same time provide transparency of the inner structure of the object.

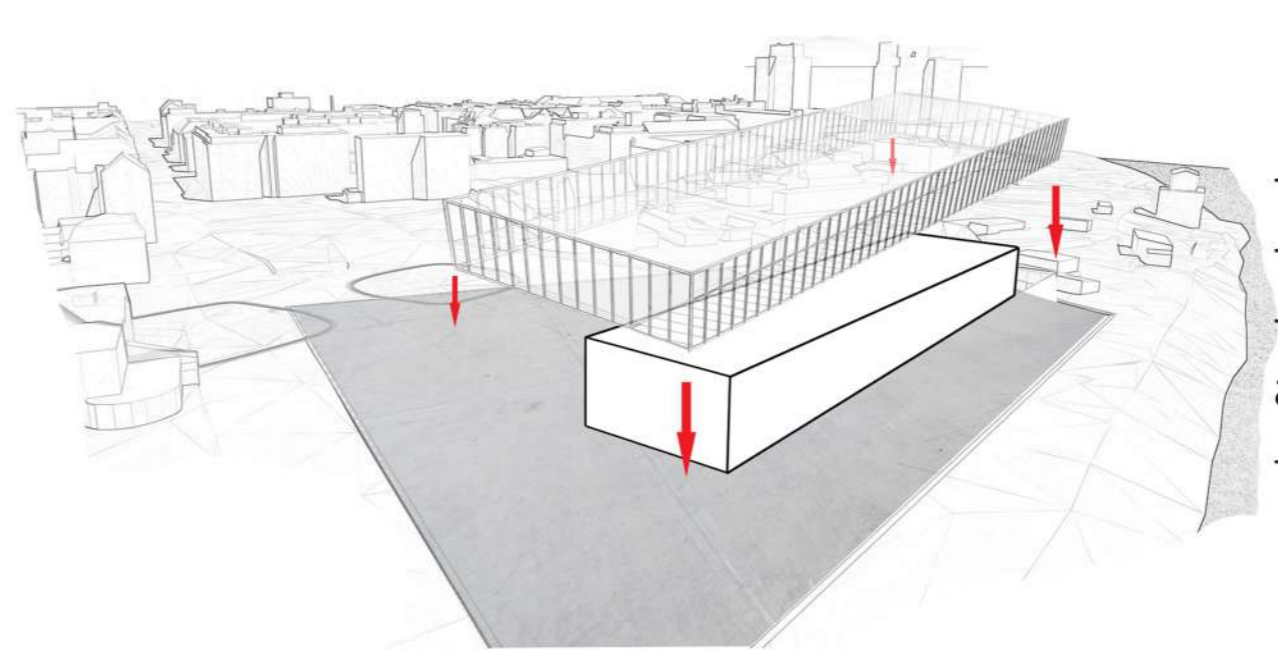
The architecture of the object follows genius loci of the place- the industrial spirit which is present as many buildings have been preserved and region has been regenerated with a change of functions from cultural, residential up to mixed use. Furthermore, as the first aircraft manufactures were found in this region, the motive of inner structure of airplanes was interpolated on the facades and airplanes in the interior are inviting passangers to visit center.

Science center is designed to represent a place for interactive study and lifelong learning for all generations. Visitors can encounter the ground floor on their own as it is planned to be a free place for non permanent exhibitions. If interested into more exploration, they can seek guidance from the experts to guide them throughout the exhibits or enjoy performances in the multifunctional auditorium.

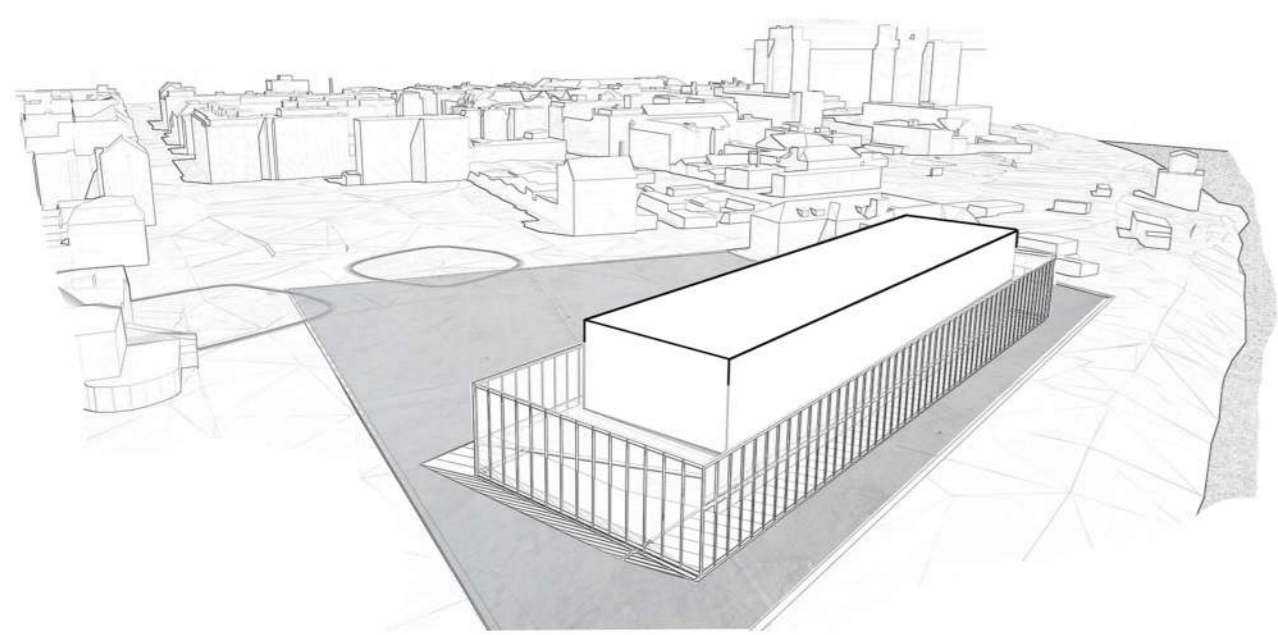
inner steel structure of the airplanes as a inspiration



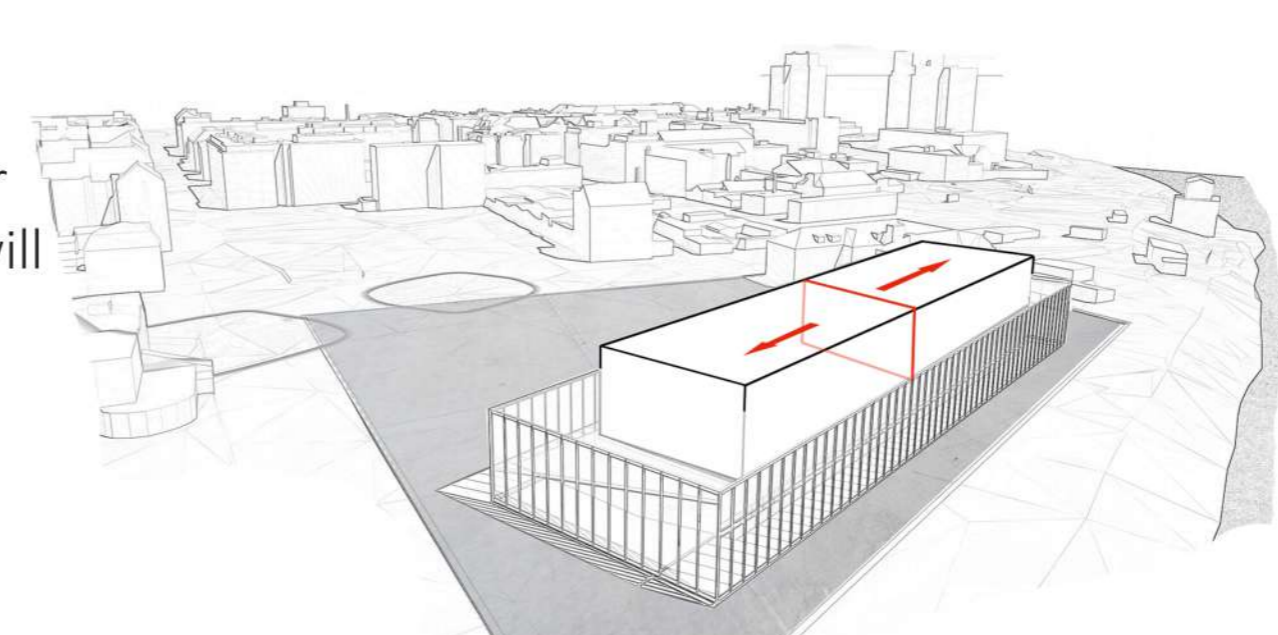
compact form for better placement of the functions and easier orientation for children



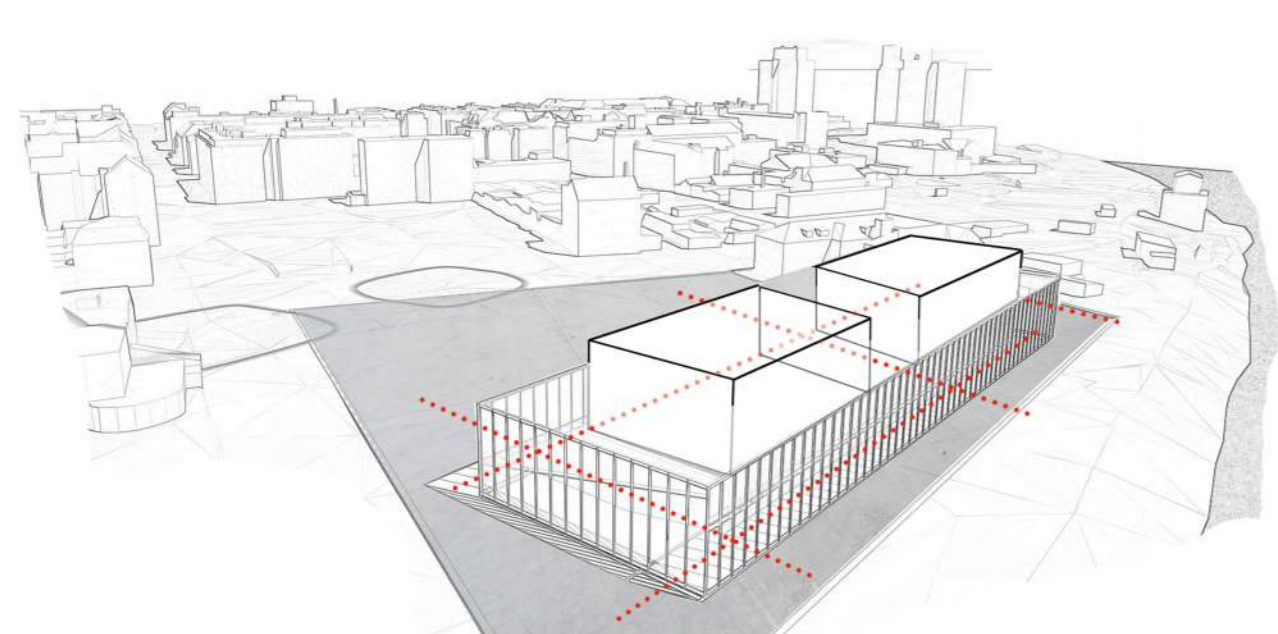
-area around- industrial character  
-need for the modern appearance  
-glass facade to make attractive ambience  
-parallel to the river line



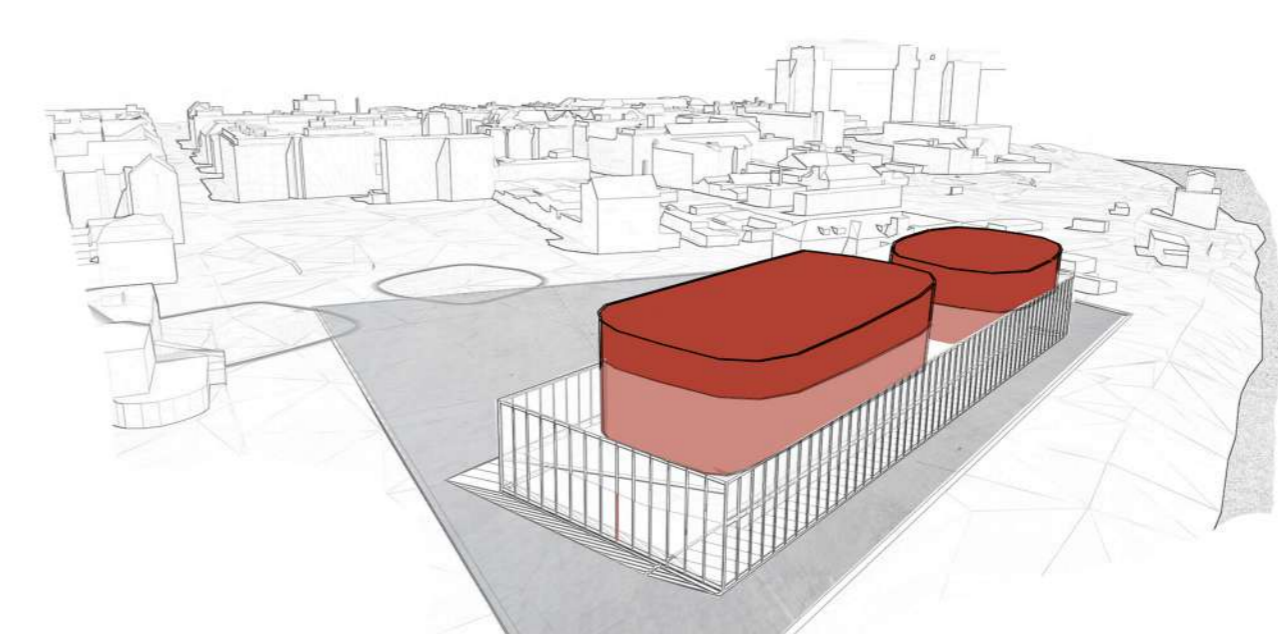
-main functions of the science center don't require natural light and that will make impact on facades  
-not many windows and openings  
-concept of the GLASS BOX



-splitting building mass to get more lively and attractive form



as a consequence of that there is more public space inside the GLASS BOX

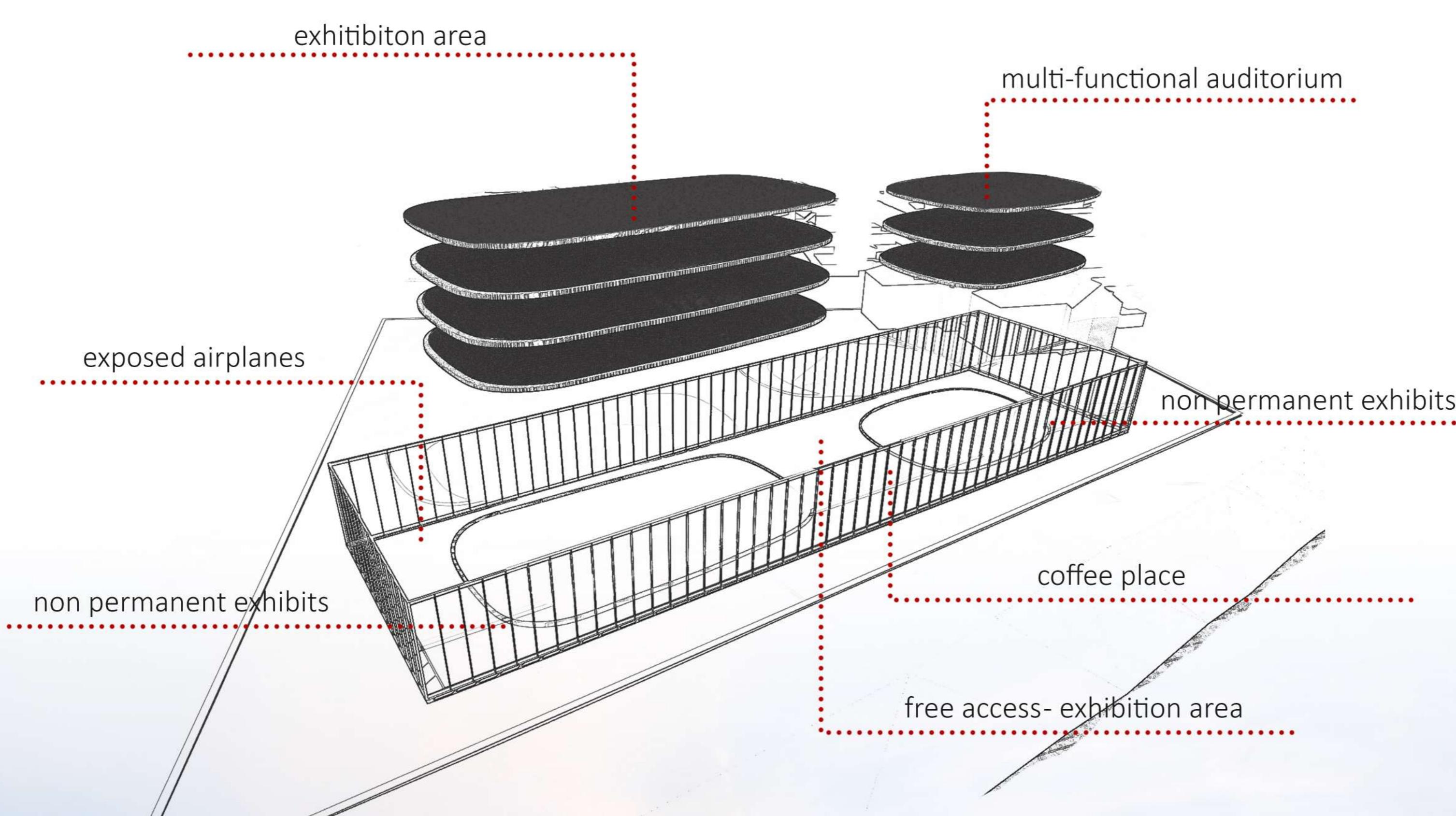
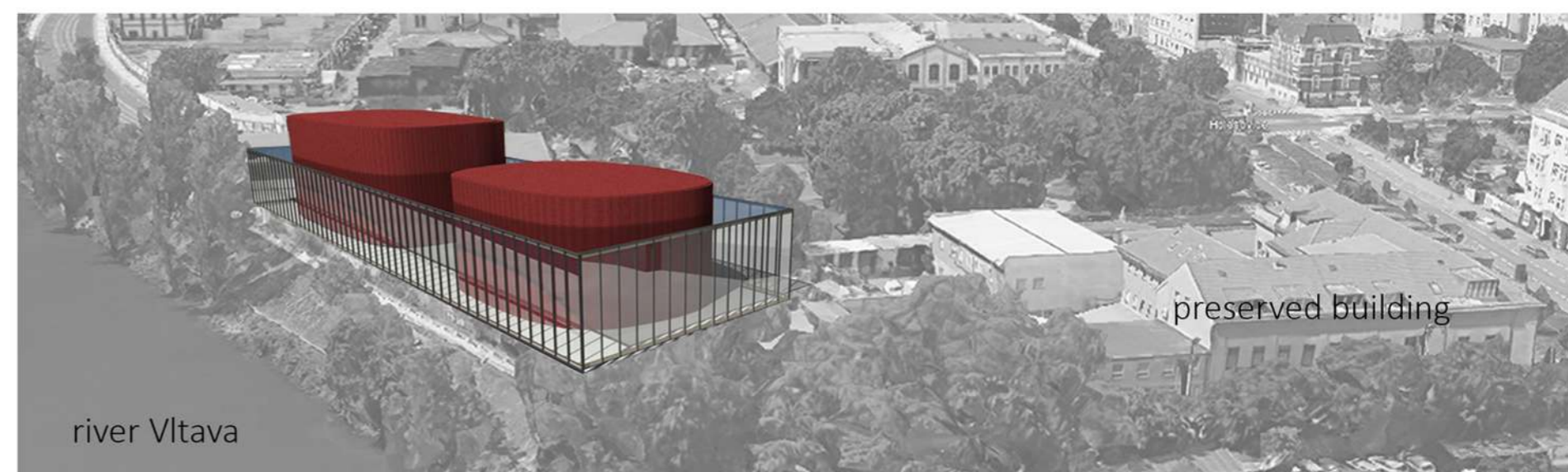


variations of the mass

preserve the view across the river



correlation with the river and the park







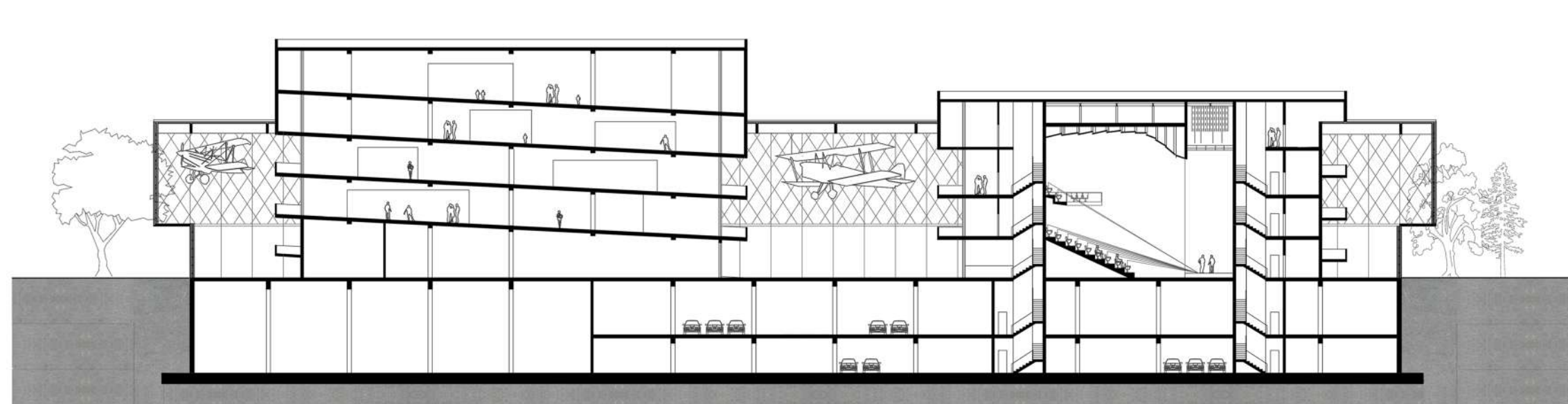
## A place of inquiry and discovery, experimentation and exploration

### FOLLOWING GENIUS LOCI

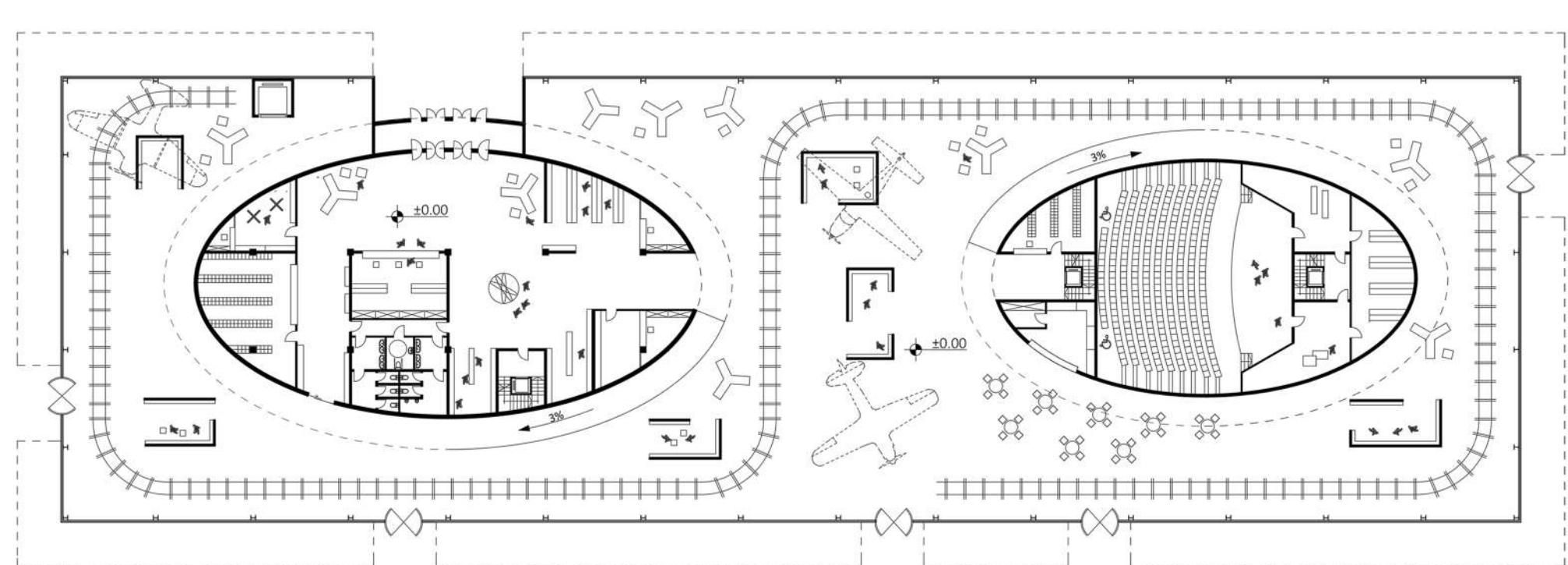
Each landscape, city or building has its own spirit, its own Genius Loci. Spirit of place refers to the unique and distinctive aspects of a place; often those celebrated by artists and writers, but also those described in folk tales, festivals and celebrations. It is therefore as much in the invisible weave of culture as it is the tangible physical aspects of a place or its interpersonal aspects.

This master thesis suggests the intention to follow this gestalt theory. Architecture means to visualize the genius loci, and the task of the architect is to create meaningful places. Our obligation is to explore the character of the surrounding and its linkage to the buildings which we are creating.

SECTION a-a

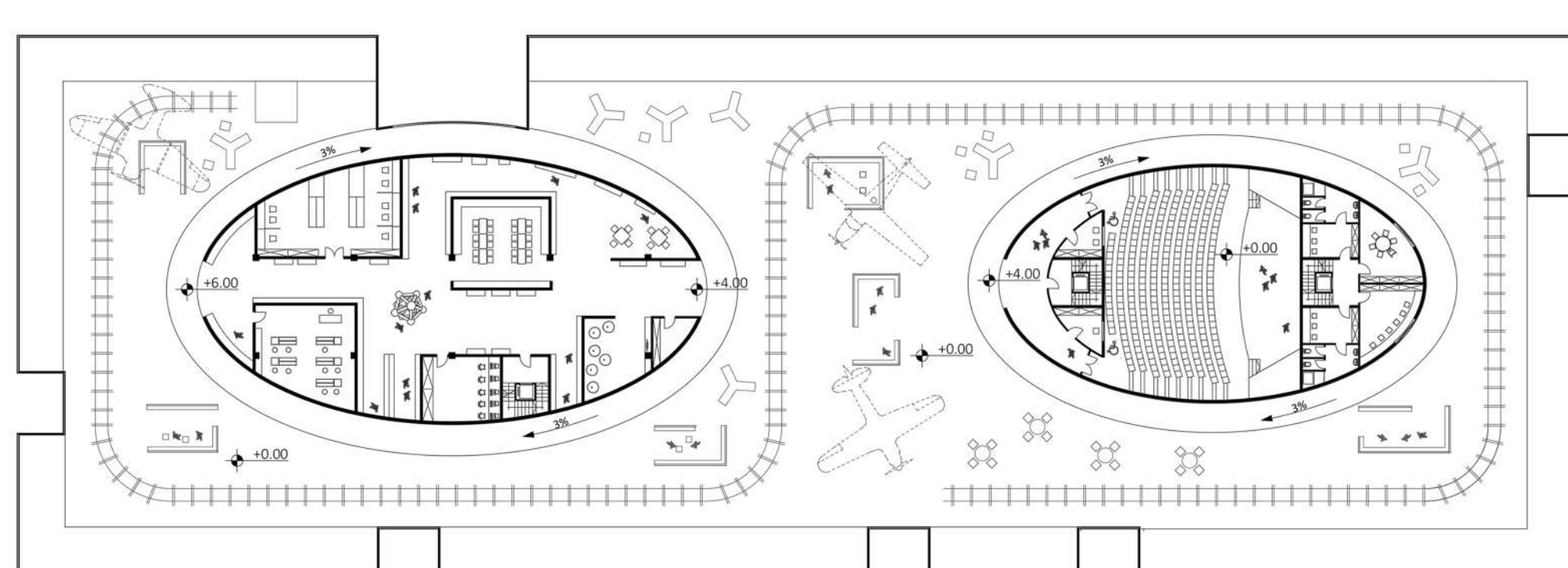


GROUND FLOOR



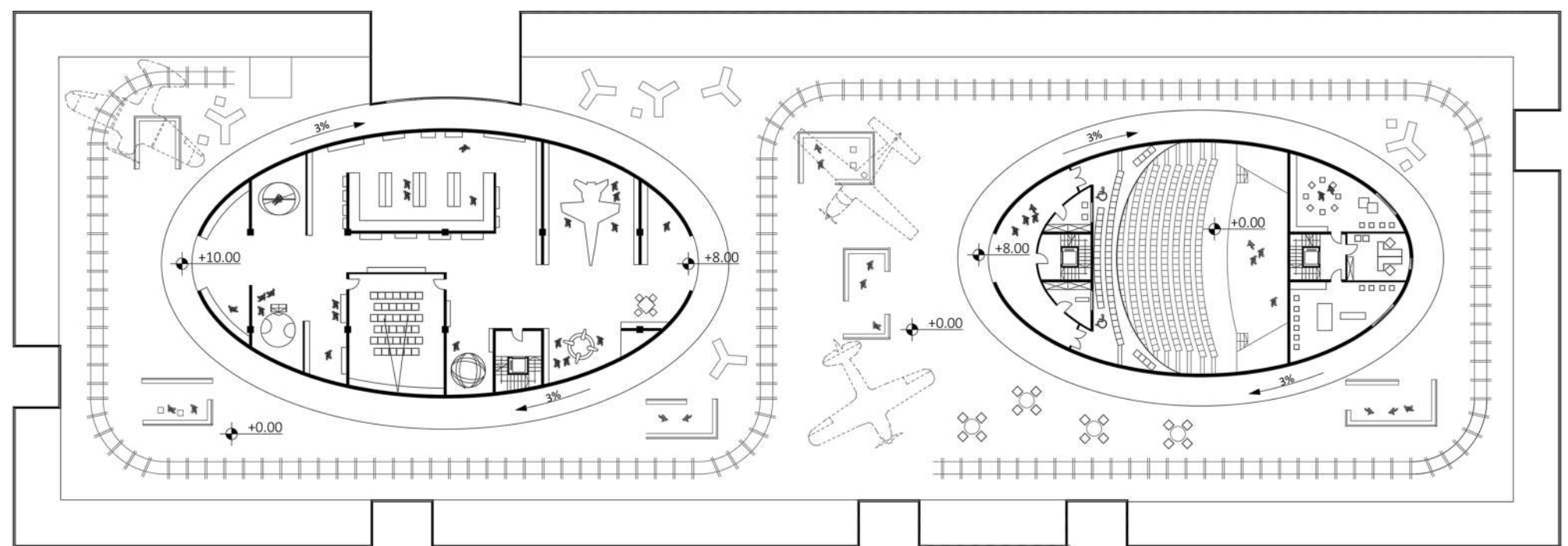
- 1. main hall
- 2. reception and info.
- 3. sanitary block
- 4. locker room
- 5. souvenir shop
- 6. books and magazines
- 7. main vertical communications
- 8. shop
- 9. non permanent exhibition
- 10. rails for crane
- 11. platform
- 12. reception and locker
- 13. coffee shop
- 14. main stage
- 15. back stage
- 16. back stage
- 17. storage for
- 18. auditorium
- 19. main entrance
- 20. other entrances

FIRST FLOOR



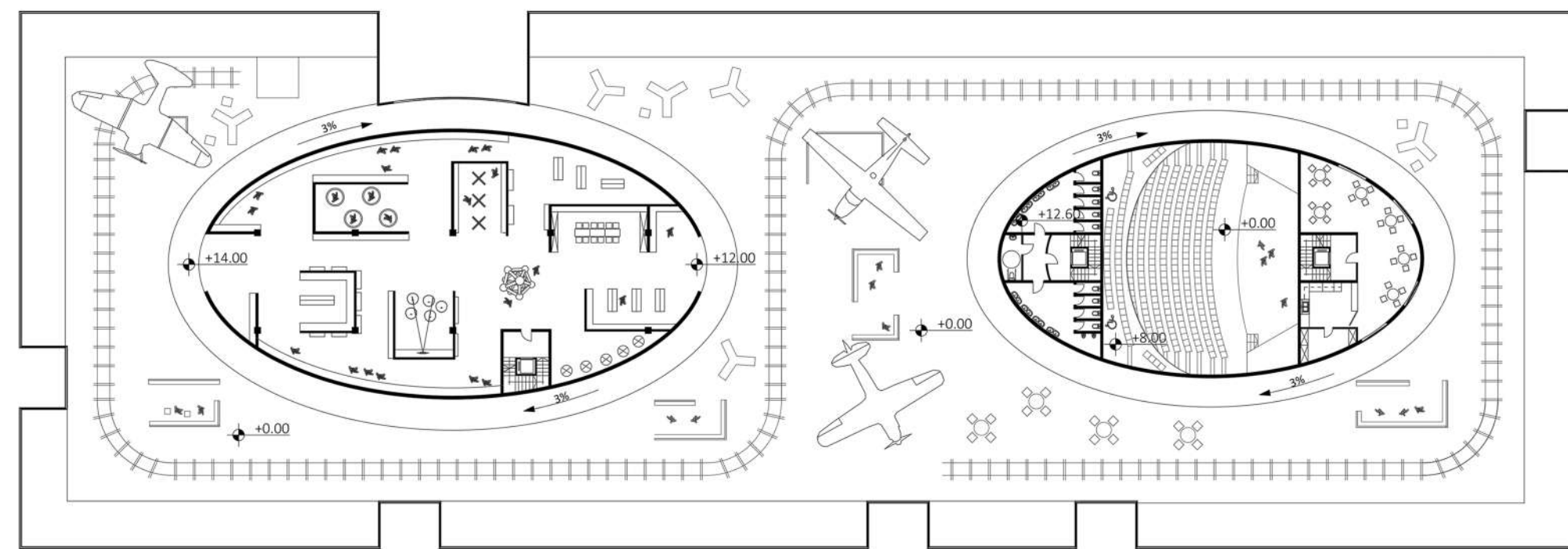
- 1. CTU LABORKA  
Czech Technical University in Prague, is a university with a positive charge, and perhaps some of the offered exhibitions would inspire children and young people to study in one of nine offered courses. Labs will be organised in the cooperation with students from CTU, who can as well exhibit their latest projects.
- 2. entrance for auditorium
- 3. office for translators
- 4. room for acoustic control
- 5. auditorium
- 6. sanitary and locker room-women
- 7. sanitary and locker room-men
- 8. costumes
- 9. make up

SECOND FLOOR



- 1. COSMO LAB  
Where exactly did the universe, stars and planets come from? Questions as old as mankind itself. But only a lucky few have had the chance to set off on expeditions into the depths of space. Everybody can become an astronaut here! You just need a bit of courage!
- 2. entrance for upper auditorium
- 3. room for light control
- 4. room for cameras and shooting
- 5. auditorium
- 6. room for practice
- 7. room for practice
- 8. office

THIRD FLOOR



- 1. HUMAN BODY LAB  
Who are we most in contact with throughout our lives? With our own bodies of course! But do we know enough about it? So have a go... Human body lab is dedicated to all those who wish to know more about themselves. Many exhibits were prepared in an area of more than 600m<sup>2</sup>. You will need at least two hours for the tour and experiments on your own body.
- 2. sanitary block
- 3. upper auditorium
- 4. main auditorium
- 5. kitchen
- 6. storage
- 7. canteen



## Industrial, machinery and aircrafts, expositions, interactions, education, culture

