MVRDV
17 November 2018

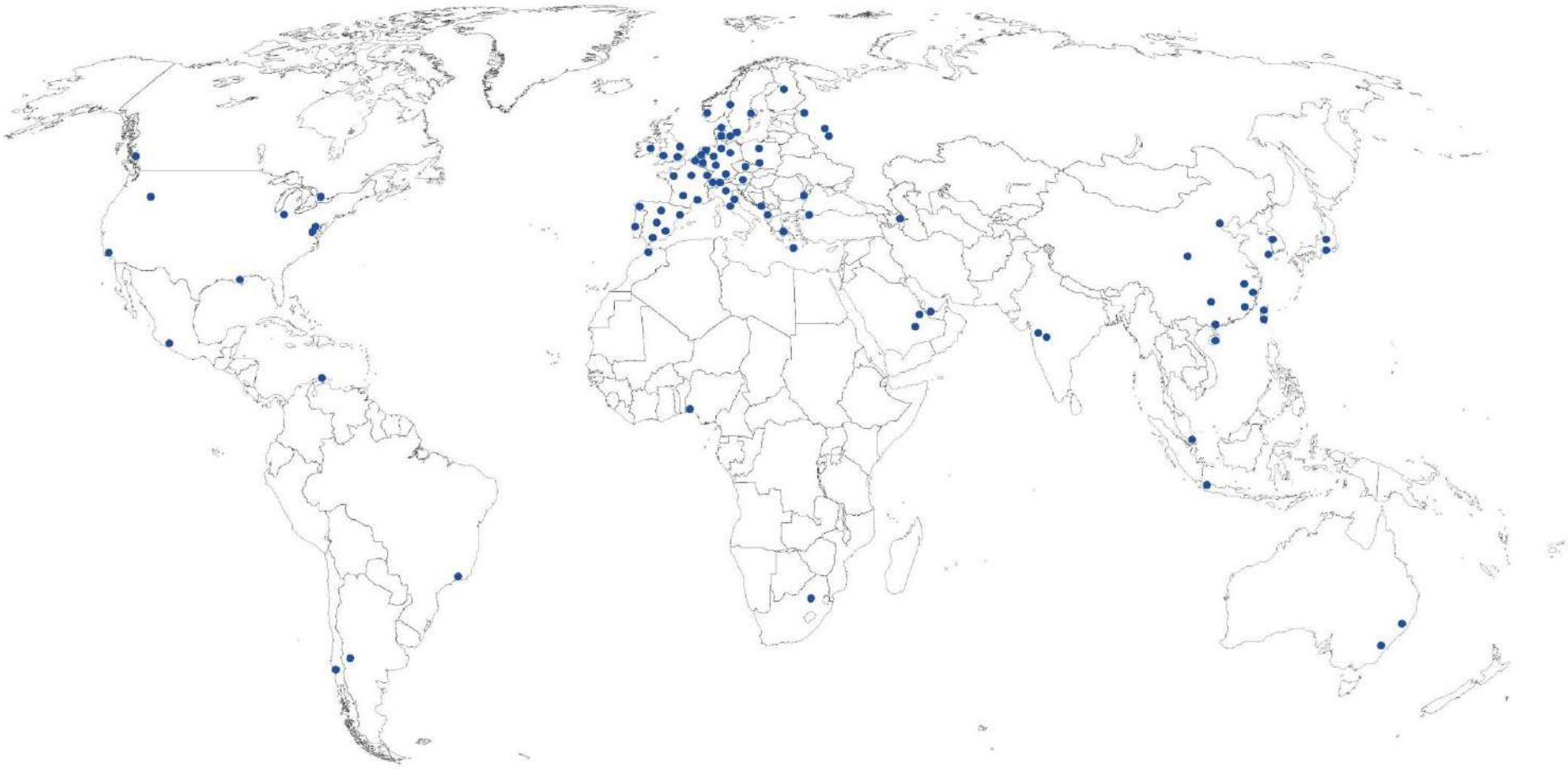
MVRDV
17 November 2018

Следующий ИТМО
The Next ITMO
MVRDV
17 November 2018

mvrdv

MVRDV

250 Staff
40 Nationalities

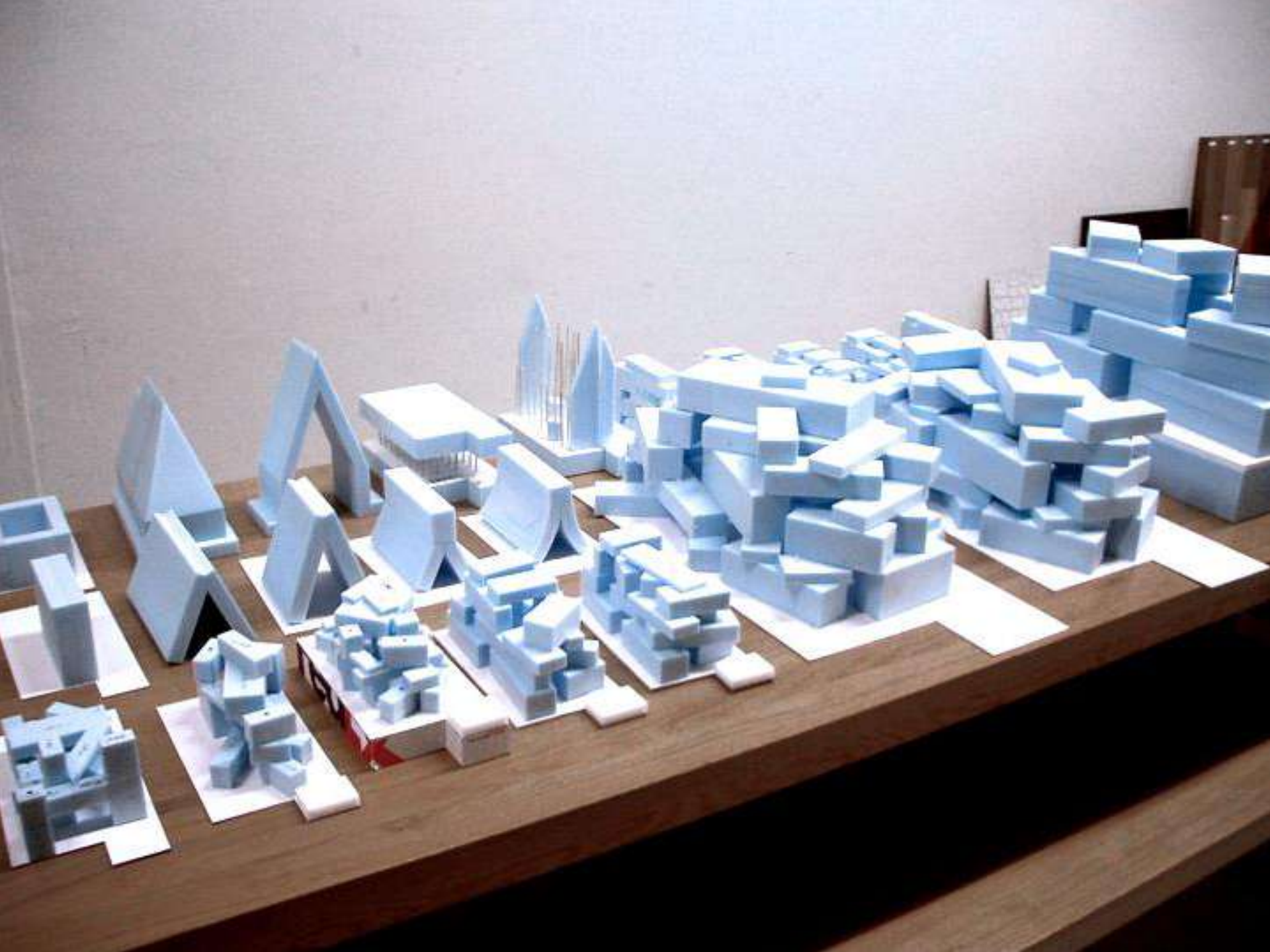


1000 Projects
36 Countries
6 Continents

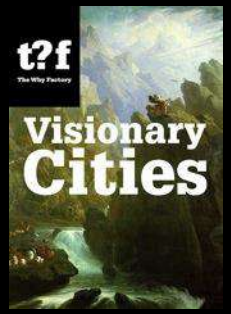
rotterdam

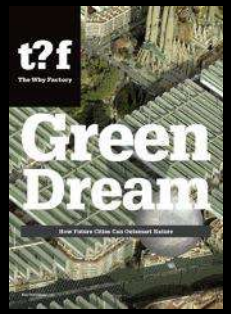
ROTTERDAM

methodology



research


t?f
The Why Factory
Visionary Cities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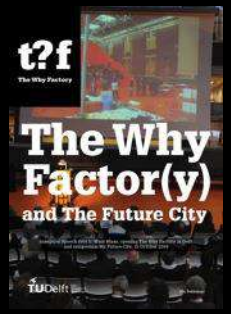
The Why Factory
Green Dream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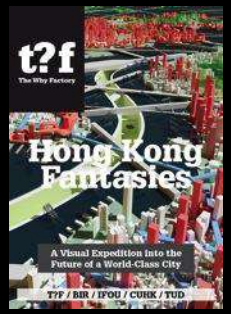
The Why Factory
The Why Factor(y)
and The Future City
TUDelft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The Why Factory
Hong Kong Fantasies
A Visual Expedition Into the Future of a World-Class City
T?F / BIR / IFOU / CUHK / TUD

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The Why Factory
NL To Do
Reacting to the Breaking News

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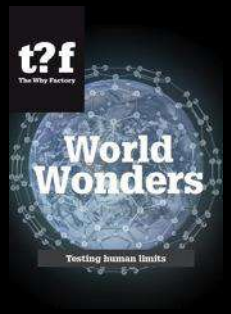
The Why Factory
The Death of Leisure
Towards the Next Resort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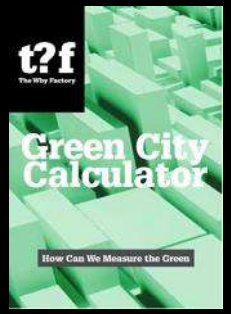
The Why Factory
World Wonders
Testing human limits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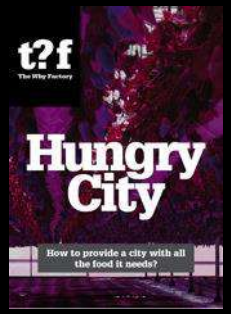
The Why Factory
Green City Calculator
How Can We Measure the Green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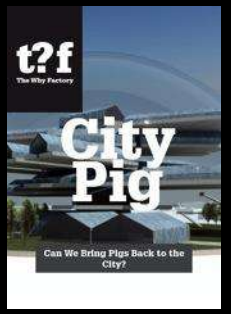
The Why Factory
Hungry City
How to provide a city with all the food it needs?


t?f
The Why Factory
City Pig
Can We Bring Pigs Back to the City?

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The Why Factory
Automated City
Can We Design a Hyper Adaptive City?

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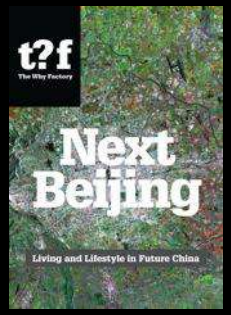
The Why Factory
The Why Talks
We Need to Talk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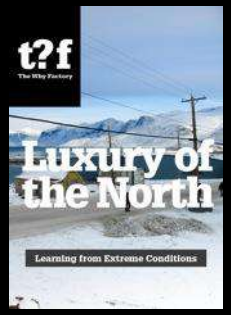
The Why Factory
Next Beijing
Living and Lifestyle in Future China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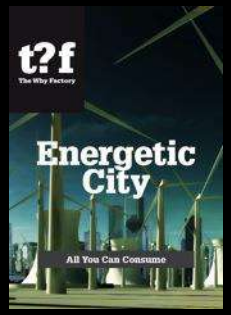
The Why Factory
Luxury of the North
Learning from Extreme Conditions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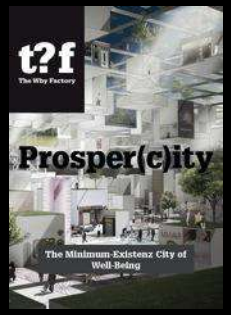
The Why Factory
Energetic City
All You Can Consume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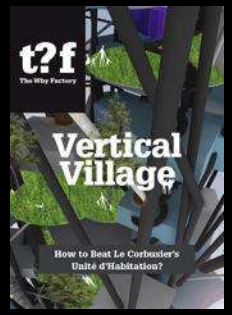
The Why Factory
Prosper(c)ity
The Minimum-Existenz City of Well-Being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The Why Factory
Vertical Village
How to Beat Le Corbusier's Unité d'Habitation?

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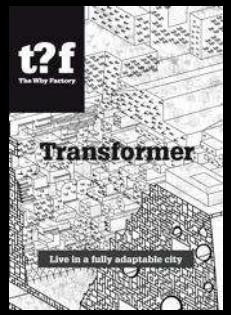
The Why Factory
Superkampung
?
Envisioning a Multi-Class Society in Jakarta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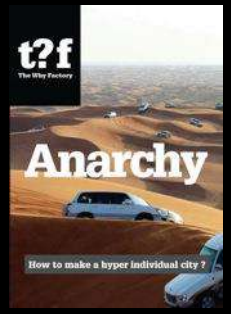
The Why Factory
Transformer
Live in a fully adaptable city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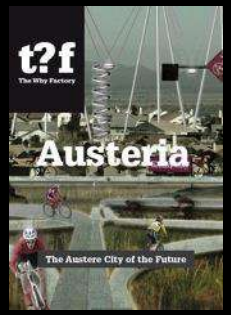
The Why Factory
Anarchy
How to make a hyper individual city ?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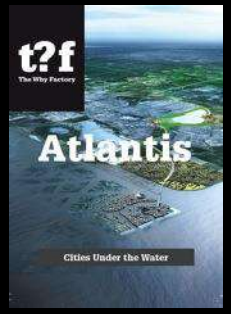
The Why Factory
Austeria
The Austere City of the Future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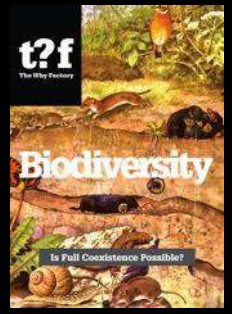
The Why Factory
Atlantis
Cities Under the Water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The Why Factory
Biodiversity
Is Full Coexistence Possible?

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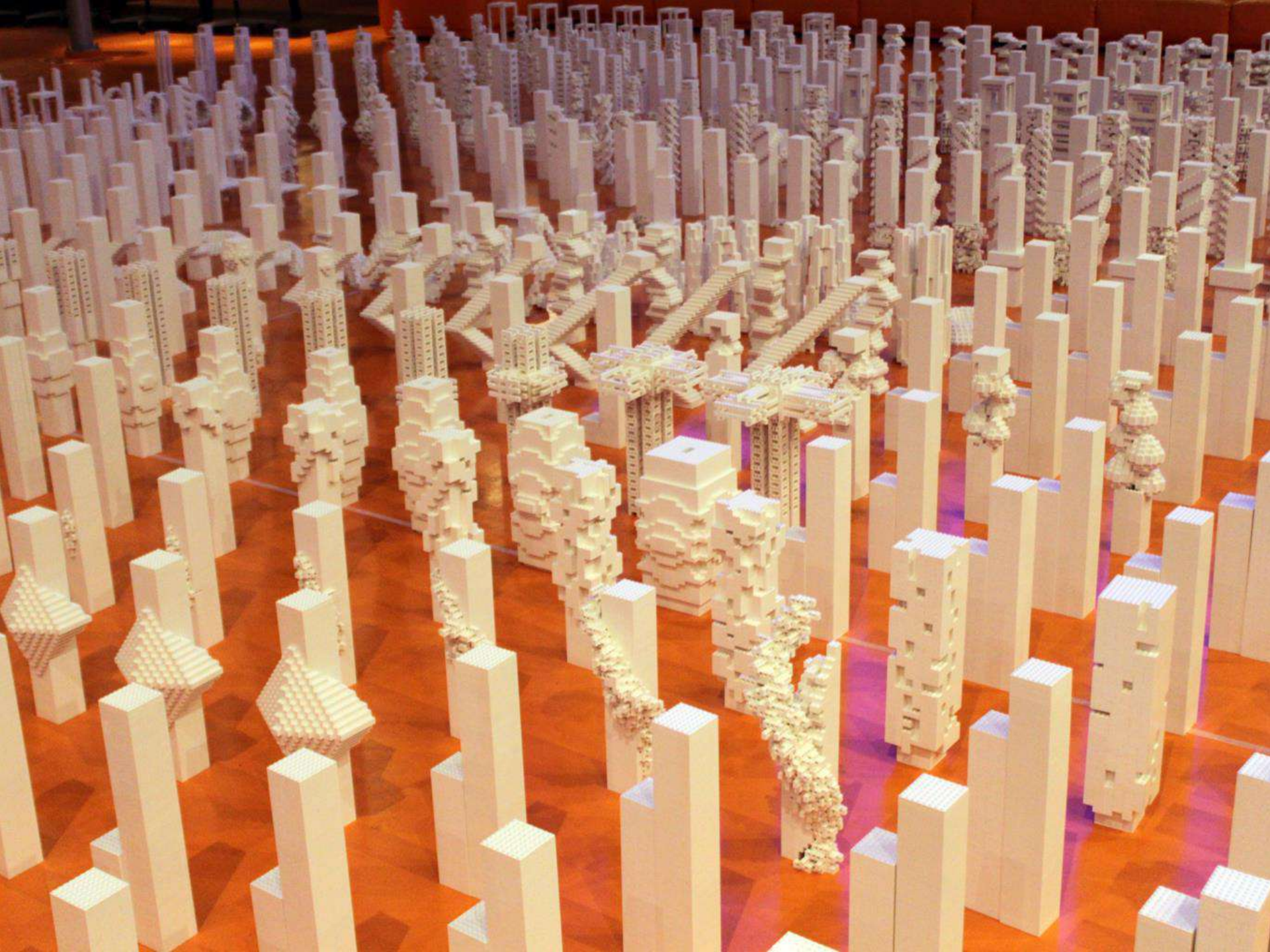
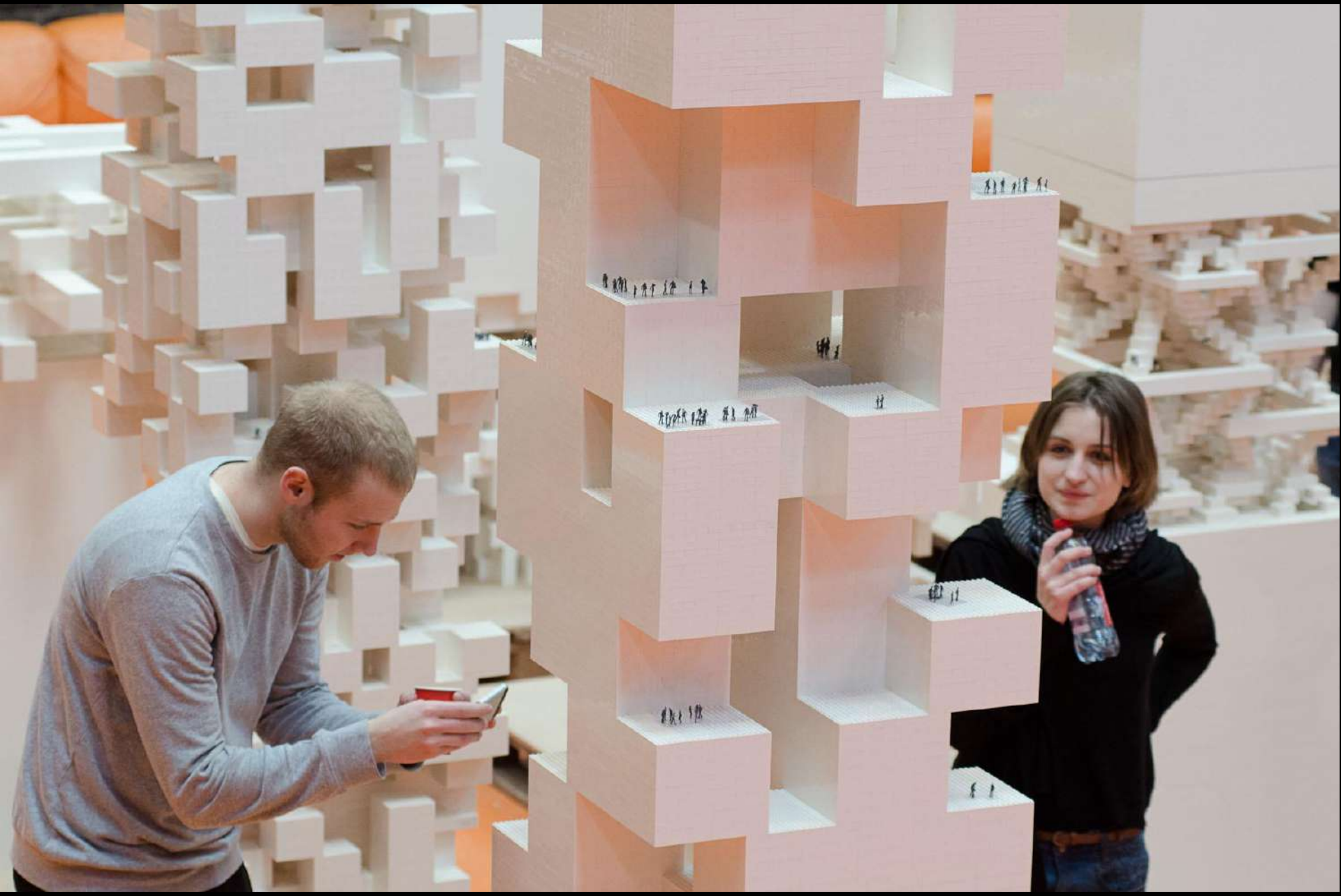
The Why Factory
FiveMinutes City
How can architecture accomodate speed?



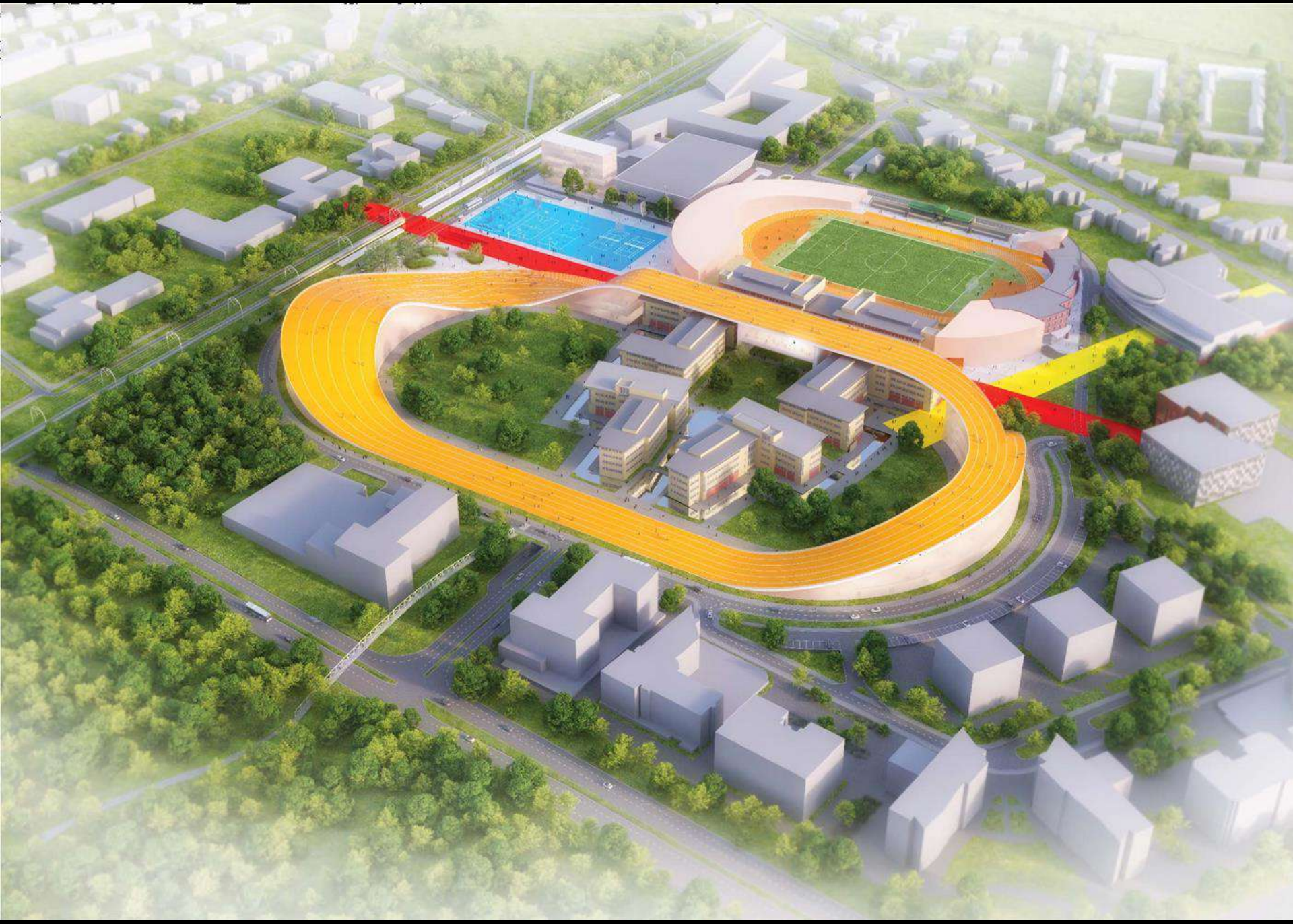


urbanism

DNB

2년제
진형

LOTTE OUTLET



Университет ИТМО

ITMO University

УНИВЕРСИТЕТ ИТМО

ИТМО
УНИВЕРСИТЕТ
ИНЖЕНЕРНО-ЭКОНОМИЧЕСКИЙ
VEER

Университет ИТМО 2.0

ITMO University 2.0

Университет ИТМО

ITMO University

ITMO UNIVERSITY

ITMO University Strategy — 2027

MISSION AND STRATEGIC GOAL

Our mission
is to provide opportunities for the holistic development of individuals and to inspire them to tackle global challenges

The University's strategic goal
is to generate new knowledge, markets and businesses, to navigate individuals in the world of information while preserving the balance between physical and virtual reality

ITMO CODE

V – Values

Values –
respect for the individual; integrity; academic freedom; openness; love

F – Fundamental Thinking

Fundamental Thinking –
systematic, analytical and critical thinking; digital culture and skills; entrepreneurial culture and skills; design thinking

PS – Professional Skills

Professional Skills –
quality; professions of the future; individual tracks

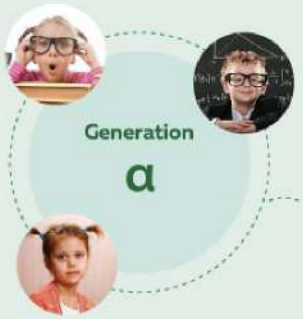
SS – Soft Skills

Soft Skills –
creativity; communication; life skills; emotional intelligence; team work

PROSPECTIVE STUDENT, STUDENT AND GRADUATE 2027

Alpha, "Google babies"

- Gain knowledge with interest when they understand its benefit
- Appreciate freedom of choice and personalization
- Struggle to concentrate, but can quickly switch between activities or tasks
- Dependent on technology, are mobile, and are always online
- Accustomed to "transparency" of information and lack of privacy



Z, "Digital Generation"

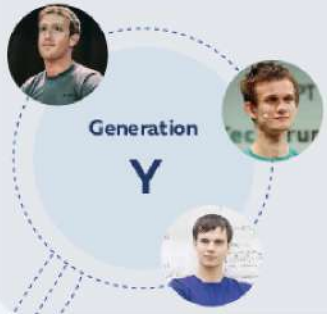
- Easily navigate in the digital world, able to work with a large amount of data
- Form their opinion on forums and social networks, social popularity is a sign of success
- Pragmatic in their choice of educational track
- Have a narrow perception of the world
- Have work experience, already from their school years; choose a job that gives them satisfaction and income and doesn't take up much of their time

ONLINE EDUCATION

- Bachelor's student
- Master's student
- PhD student
- Student participating in a continued education program
- Student participating in a continued education program for children and adults

Y, "Millennials"

- Have rich professional experiences
- Take into account the opinion of authority figures
- Consciously choose their educational programs
- Deeply involved in digital technology
- Appreciate the possibility of self-expression



X

- Accomplished in their profession and experts in their field
- Strive to achieve goals and are willing to work hard for the result
- Prefer self-learning and highly value education
- Have developed the ability to think wisely and have a broad outlook

PROFESSOR 2027

Professor

- motivates, inspires, captivates
- observes professional ethics and transmits it to the community
- respects his/her colleagues and students
- acts as an example and an authority for students
- focuses on cooperation and collaboration
- is proud of his/her profession, and the University is proud of him/her

V

VALUES

F

FUNDAMENTAL THINKING

Professor

- has a deep knowledge of the subject
- focuses on current scientific and educational trends, as well as global and current challenges
- actively conducts research and integrates it into teaching

Professor

- is a professional; creates unique content for his/her subject, actively uses current teaching methods and approaches
- assists the students along their path to becoming a professional, supports their interests in learning new things and develops their ability to think
- helps students to design and adjust their educational tracks
- regularly participates in professional development at leading international scientific and educational centers
- participates in the professional community

PS

PROFESSIONAL SKILLS

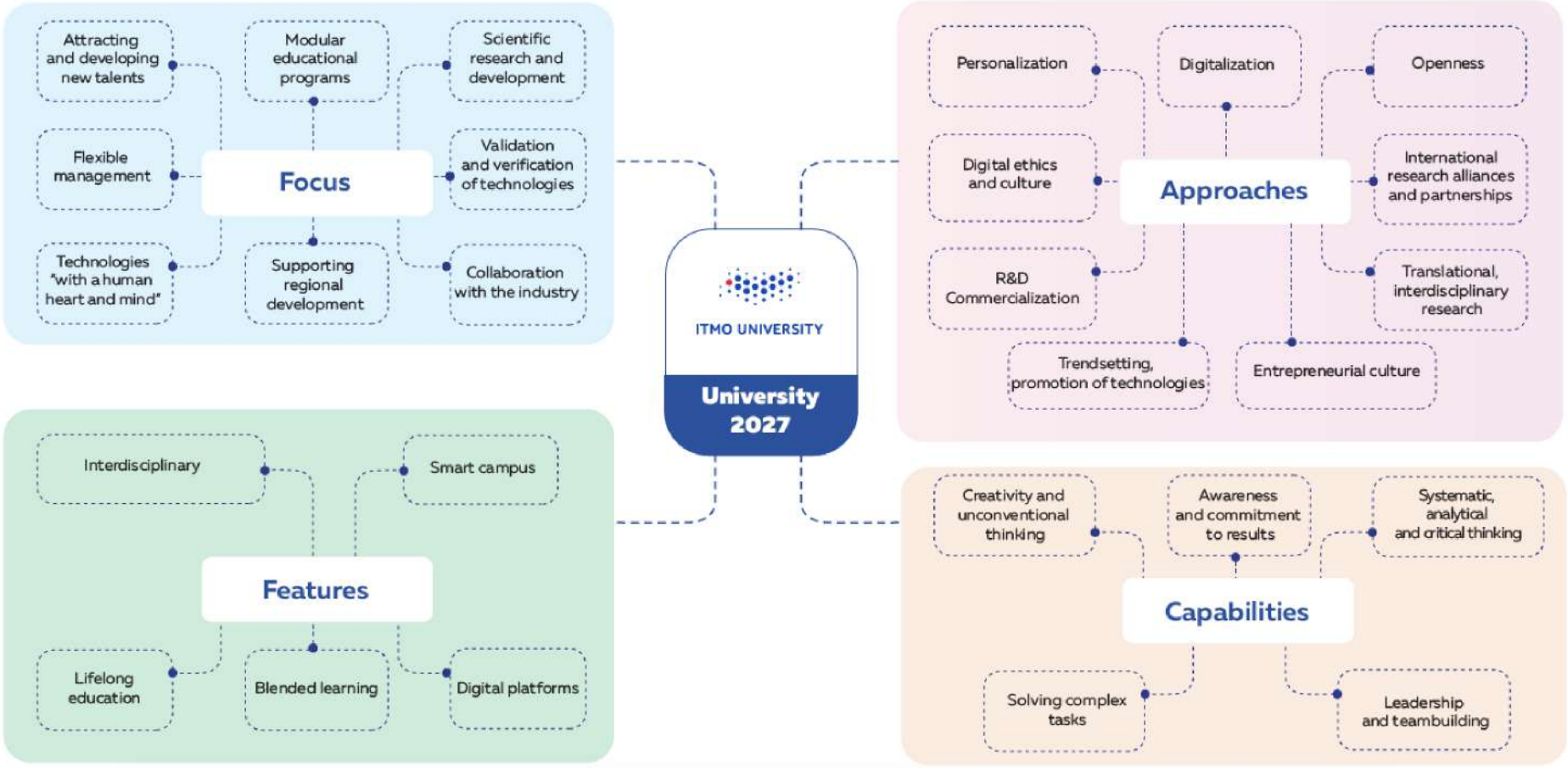
SS

SOFT SKILLS

Professor

- able to work in a multilingual, multicultural environment
- forms a team and a community
- able to set tasks and create new ones
- emotionally stable, able to resolve conflicts and to show empathy

ITMO UNIVERSITY 2027: KEY CHARACTERISTICS



STRATEGY 2027: STAGES AND AREAS OF DEVELOPMENT

Stage 1

2018–2020

- Transforming education through ITMO Code and new educational technologies
- AI in education, digital portfolios
- Developing the suitable environment and culture for interdisciplinary research and projects
- Attracting and training research staff using new HR methodologies
- Popularization of science and technology
- Involvement in digitalization of Russia's economic sectors
- Developing National Technological Initiative centers, Research and educational centers
- ITMO Highpark

Stage 2

2021–2024

- Digital platforms and intelligent systems
- Digital certificates for graduates
- Open educational spaces, distance learning, including the use of partners' facilities
- An environment for refining technologies and competencies; startup studios and testing grounds
- Smart campus and virtual environments

Stage 3

2025–2027

- Using augmented reality to develop talents
- New roles and models for students and teaching staff
- An infrastructure for pilot testing, assessment, validation, integration and promotion of technologies in collaboration with partners
- Intelligent digital services offering access to skills and technologies
- Digital platforms designed to involve the public in setting, and achieving goals

Университет ИТМО

ITMO University

ITMO

ITMO is
experimental

ИТМО экспериментальный

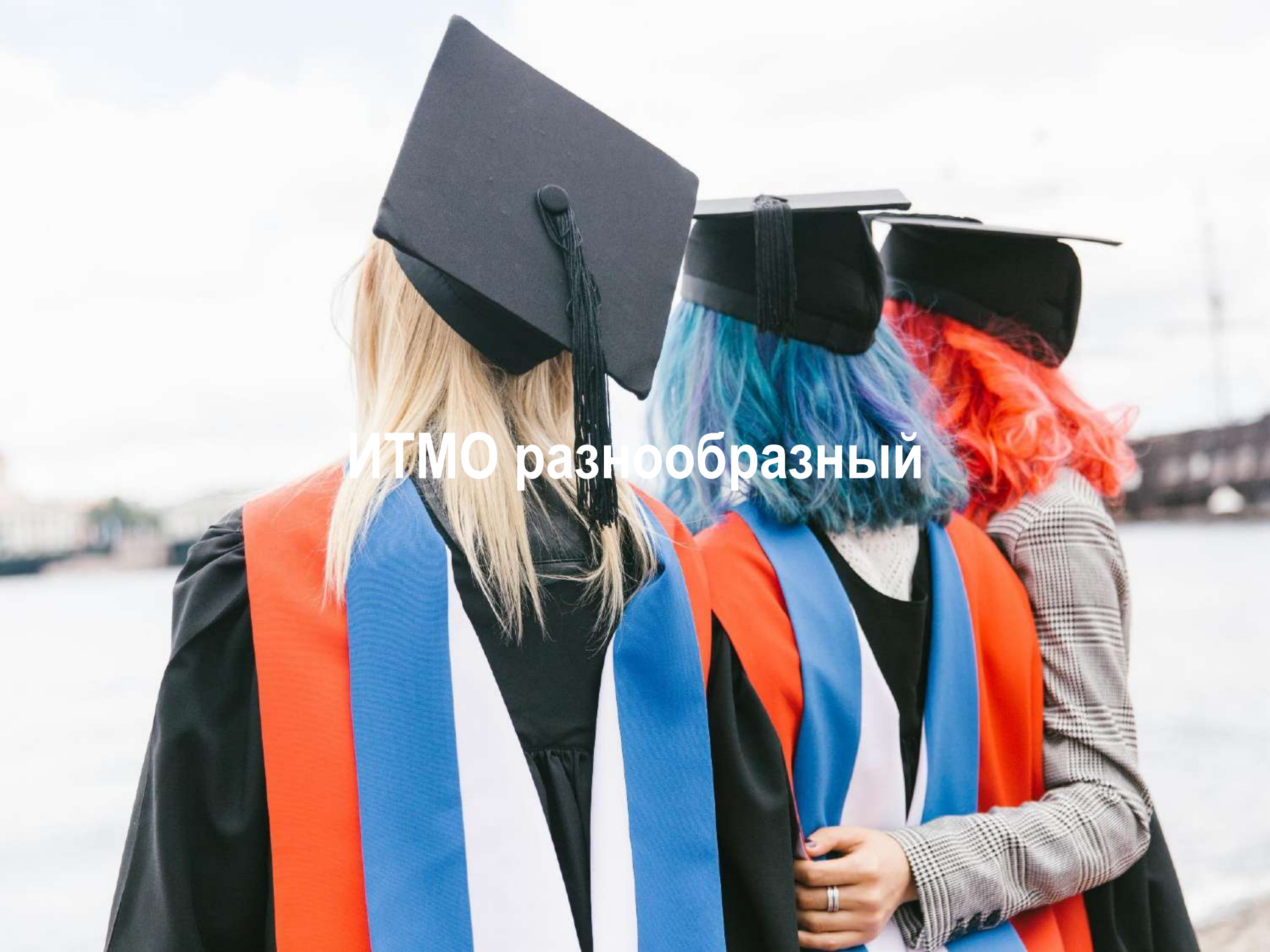
ITMO is
innovative

ИТМО инновативный

ITMO is
connective

ИТМО соединяющий

ITMO is
varied


ИТМО разнообразный

ITMOre than a
UNIVERSITY

ITMO is
free

ИТМО свободный

Санкт-Петербург
Saint Petersburg

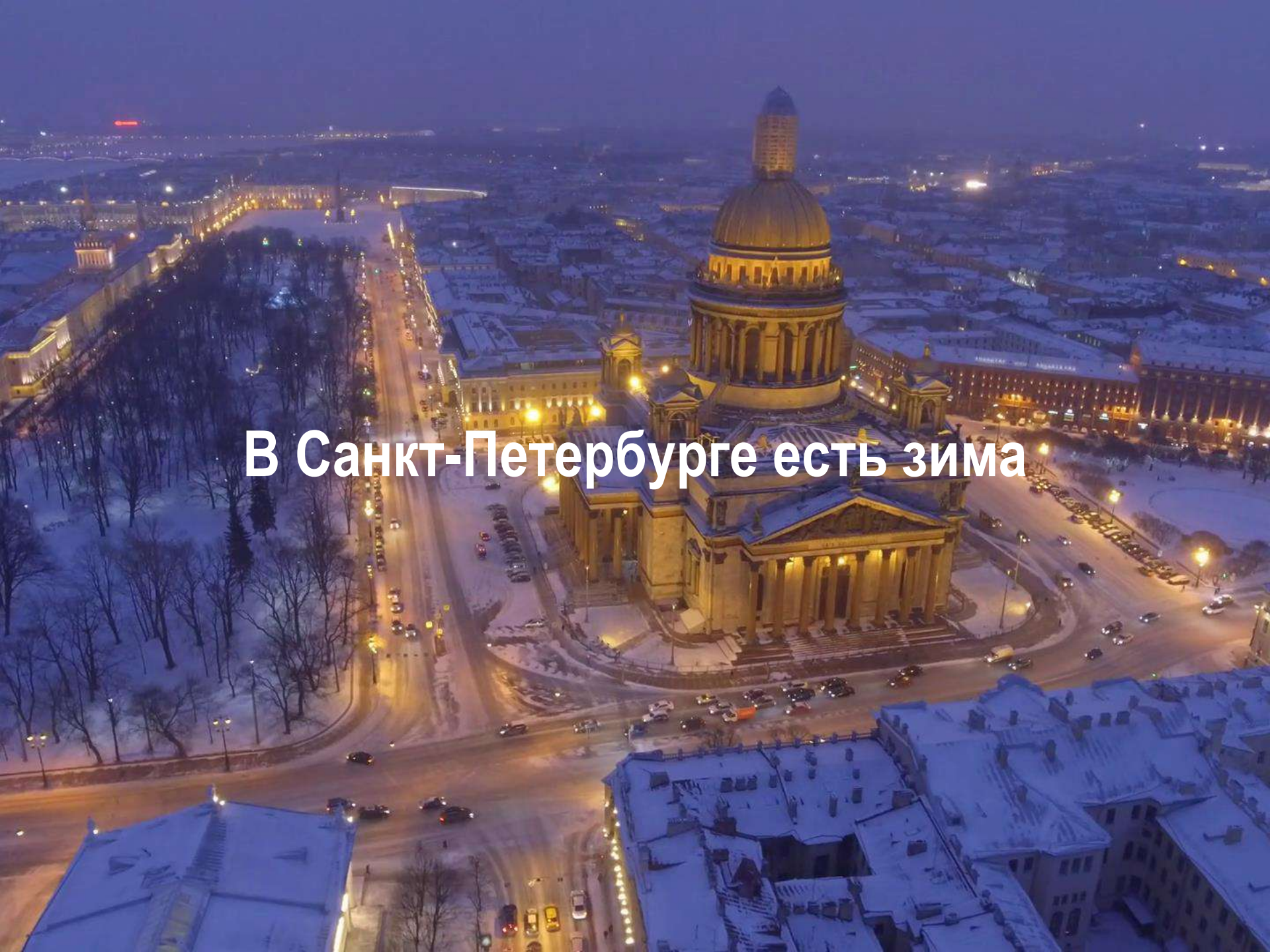
Saint Petersburg is lively

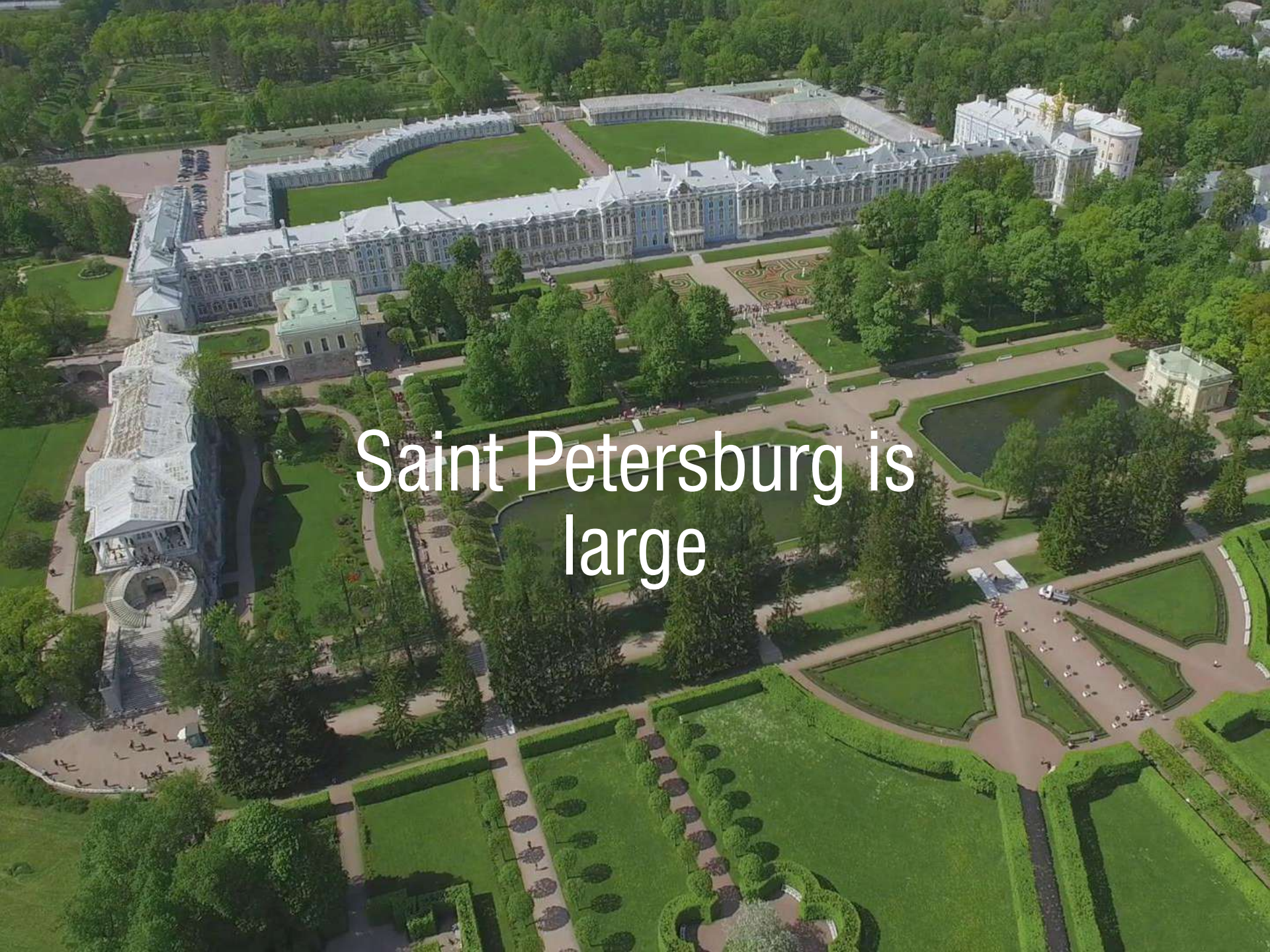
Санкт-Петербург живой

Saint Petersburg has
color

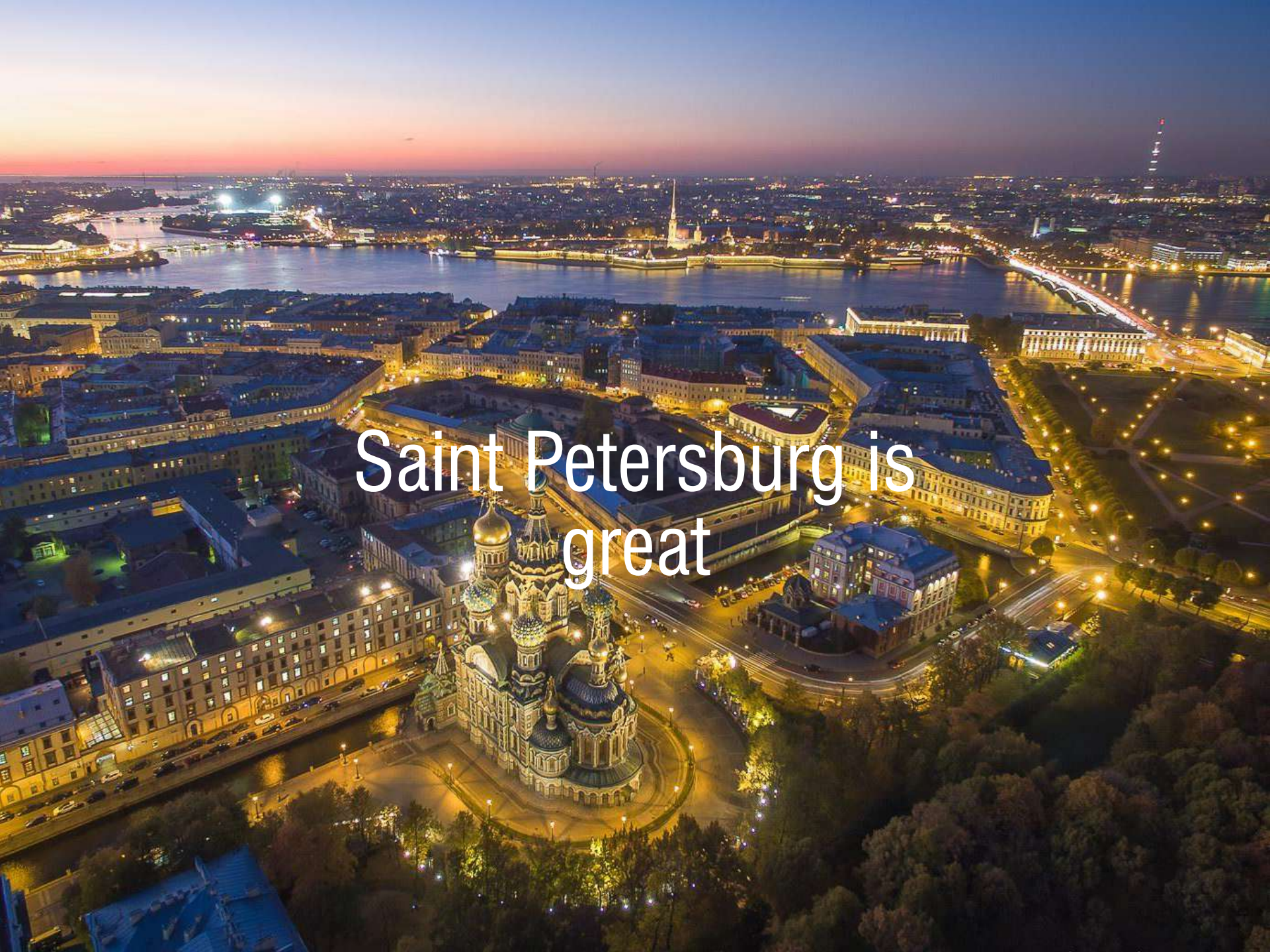
Санкт-Петербург цветной

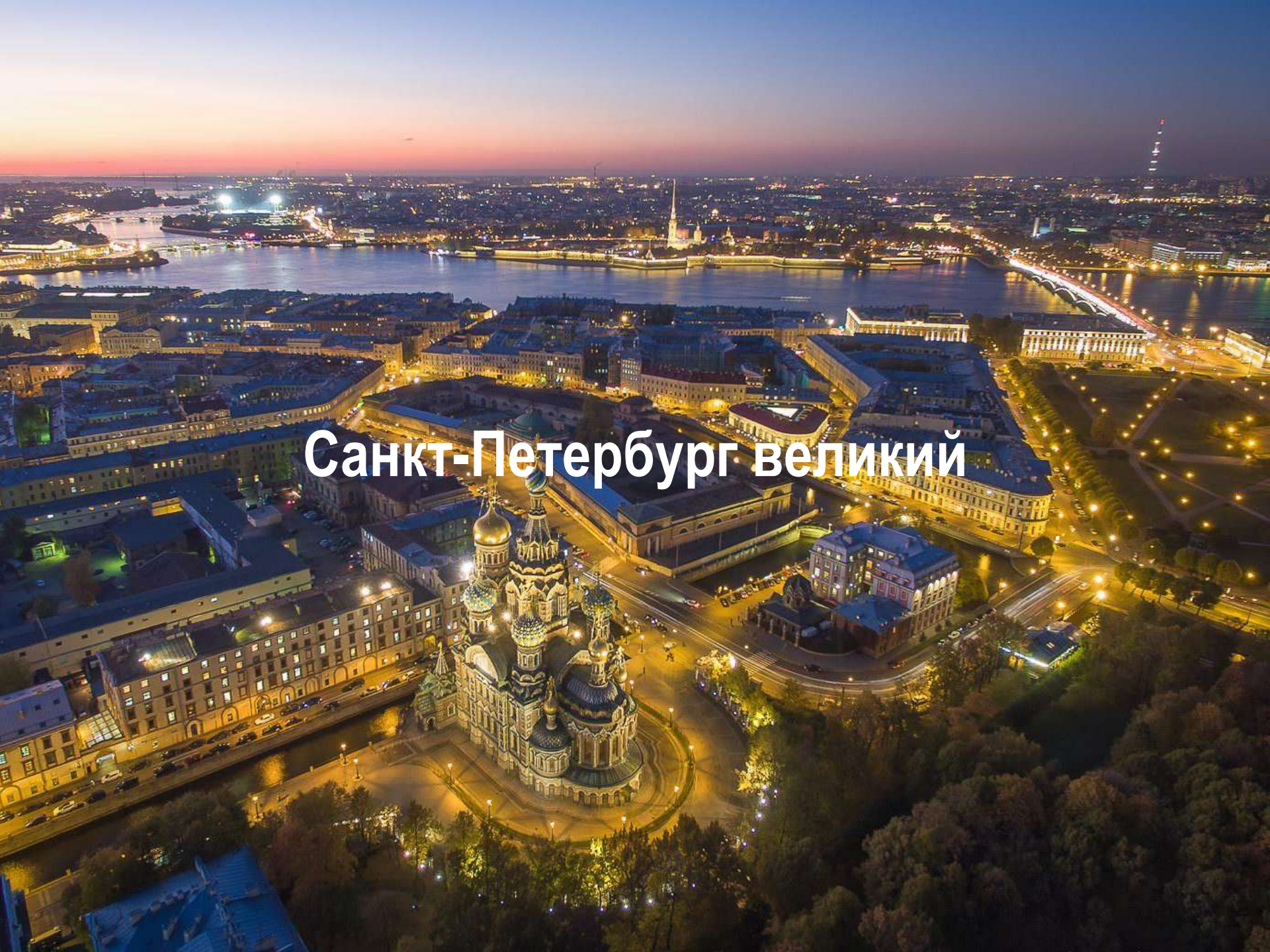
Saint Petersburg has
winters


В Санкт-Петербурге есть зима


Saint Petersburg is large

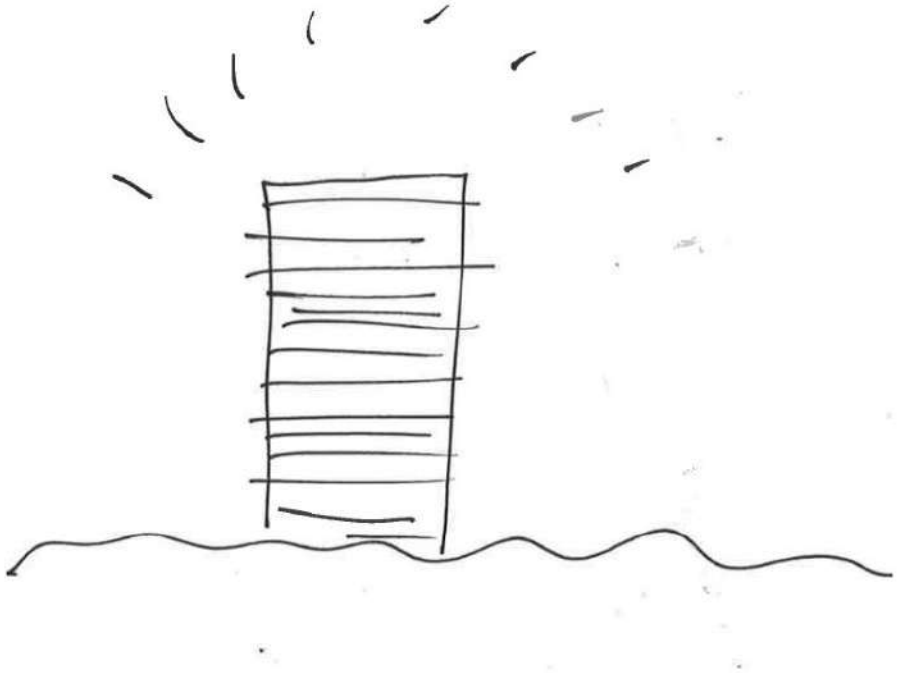
Санкт-Петербург большой


Saint Petersburg is great

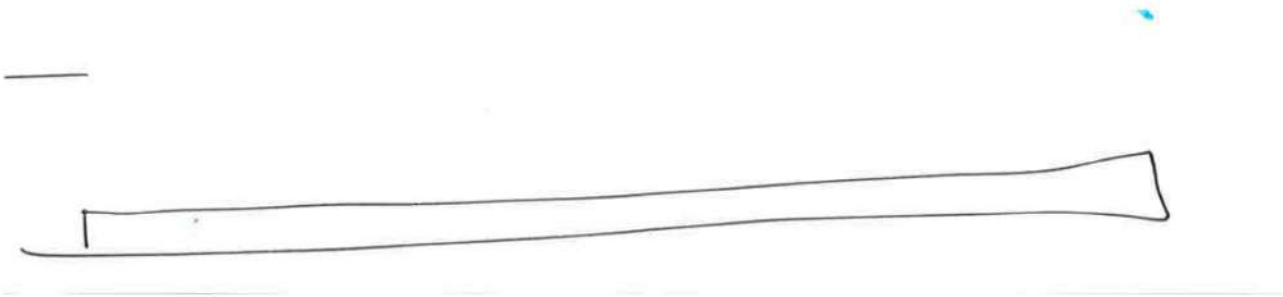

Санкт-Петербург великий

Первые идеи
First ideas

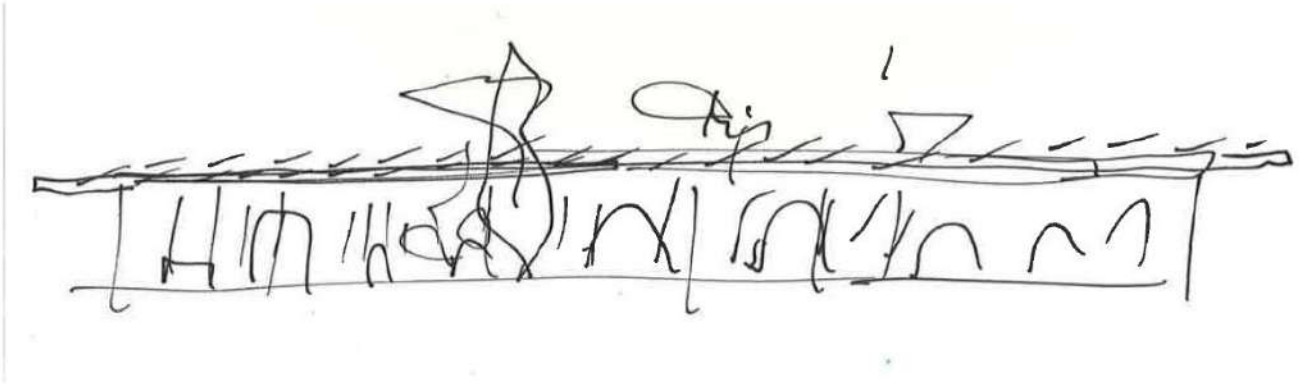
Знаковая башня?
Iconic tower?



Низкий блок?
Low-rise slab?

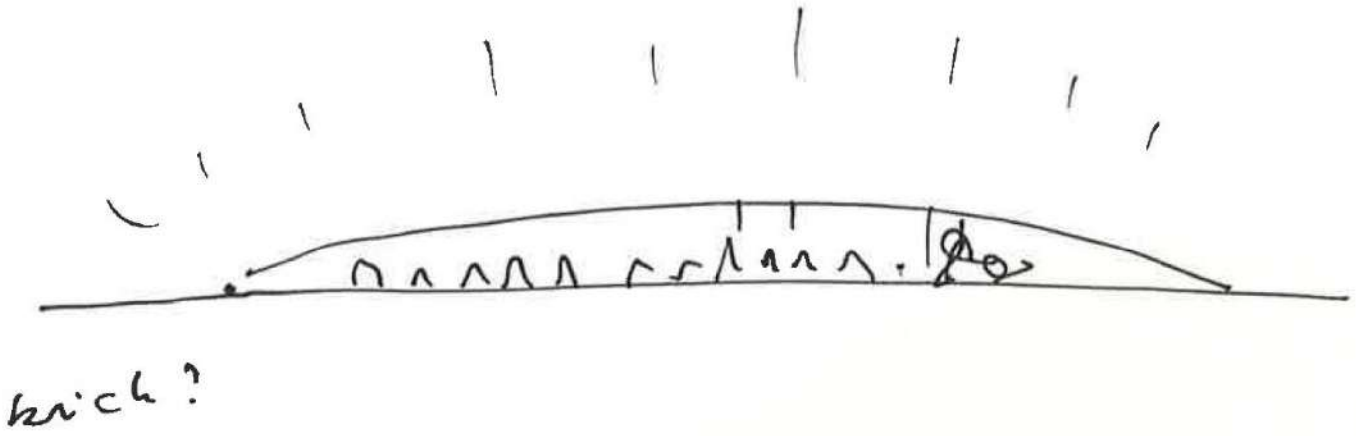


Штрих-код под одной крышей?
Barcode under one roof?

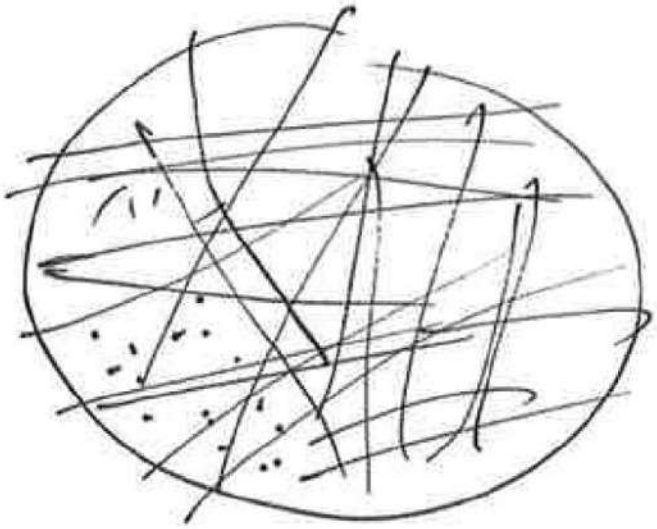


Купольная структура?
Dome structure?

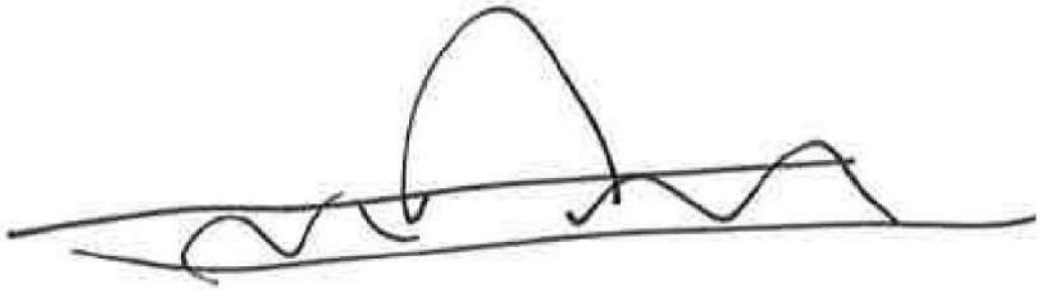
Городской кампус под одним куполом?
City campus under a dome?



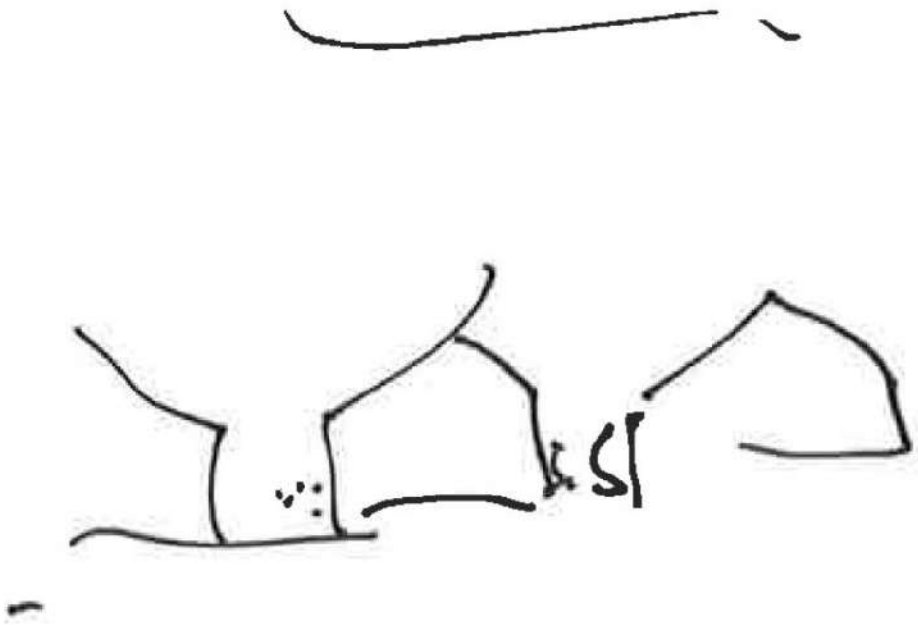
Купол сверху?
Dome structure from above?



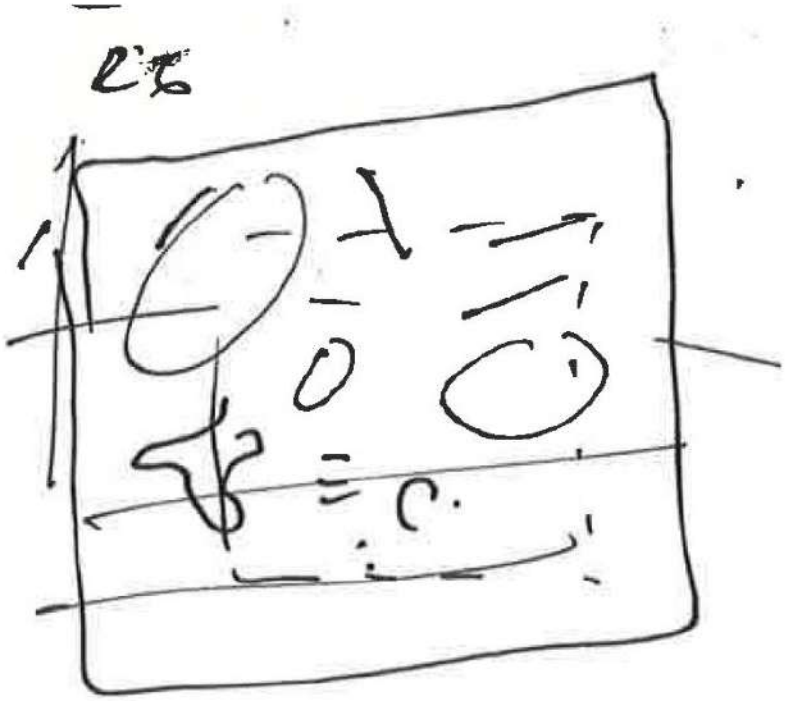
Знаковая конструкция?
Iconic structure?



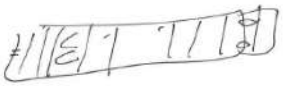
Маломасштабные здания?
Small grain buildings?



Город-кампус под одной крышей?
Campus-city under one roof?

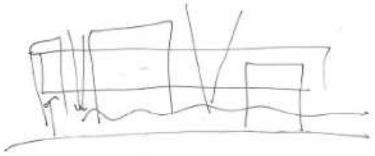


Barcode of programs



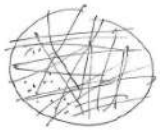
Barcode under one roof

Barcode with unified plinth



Iconic tower

Dome structure from above

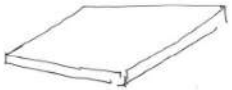


City campus under a dome

Iconic structure

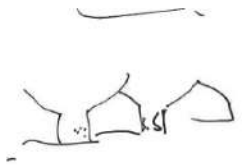
Iconic structure

Low-rise square

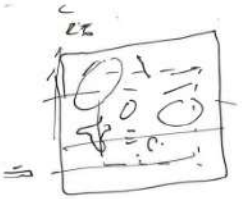


Low-rise slab

Small grain buildings

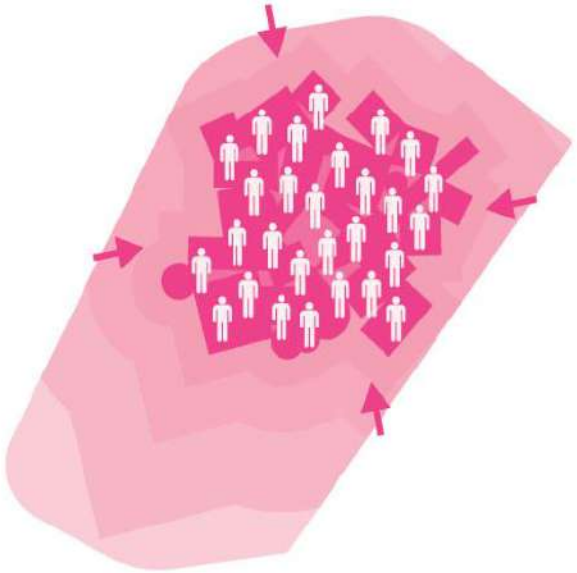


Campus-city under one roof



Цели
Objectives

Плотный кампус
The dense campus

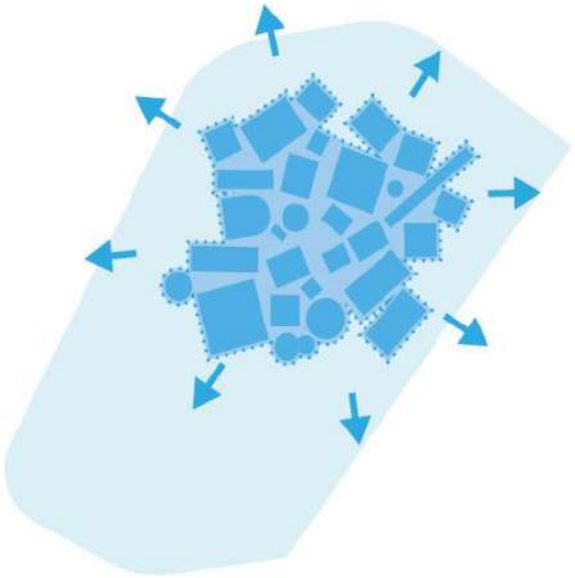


Чтобы максимизировать количество встреч
To maximize meetings and encounters

Разносторонний кампус
The varied campus

Придать айдентику и характер каждому зданию
To give every building identity and character

Открытый кампус
The open campus

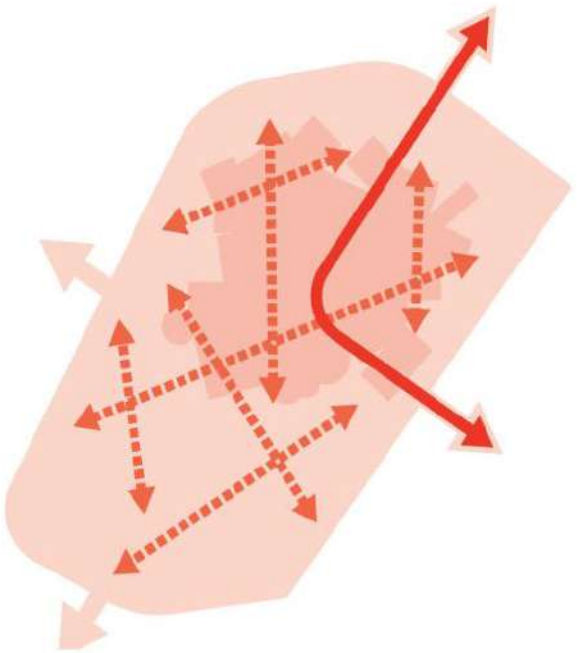


Чтобы создать связь с окружающей средой
To communicate with the surroundings

Ландшафтный кампус
The landscape campus

Создать неприрывную ландшафтную аллею
Creating a contiunous landscape walk

Объединенный кампус
The connected campus

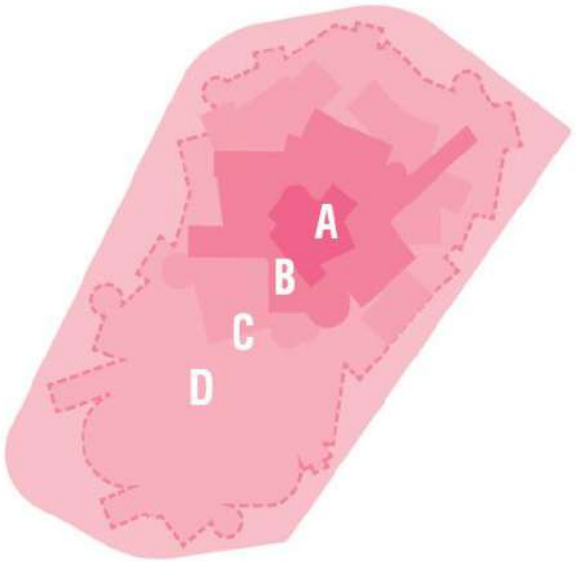


Кампус открытый к диалогу и дискуссии
Campus open for a dialogue and discussion

Экспериментальный кампус
The experimental campus

Расширение знаний института
Enlarging the knowledge of the institute

Поэтапный кампус
The phased campus



Кампус, который может органично развиваться со временем
Campus that can develop itself over time

Эволюционный кампус
The evolutionary campus

Кампус заключает в себе будущее
Campus that accommodates the future

Коллективный кампус
The collective campus

Кампус, который делится удобствами со всеми
Campus that shares facilities with everyone

Климатический кампус
The climate campus

Кампус, извлекающий пользу из климатических условий
Campus that benefits from local climatic conditions

Устойчивый кампус
The sustainable campus

Сбалансированная энергосистема
Perfectly balanced energy system

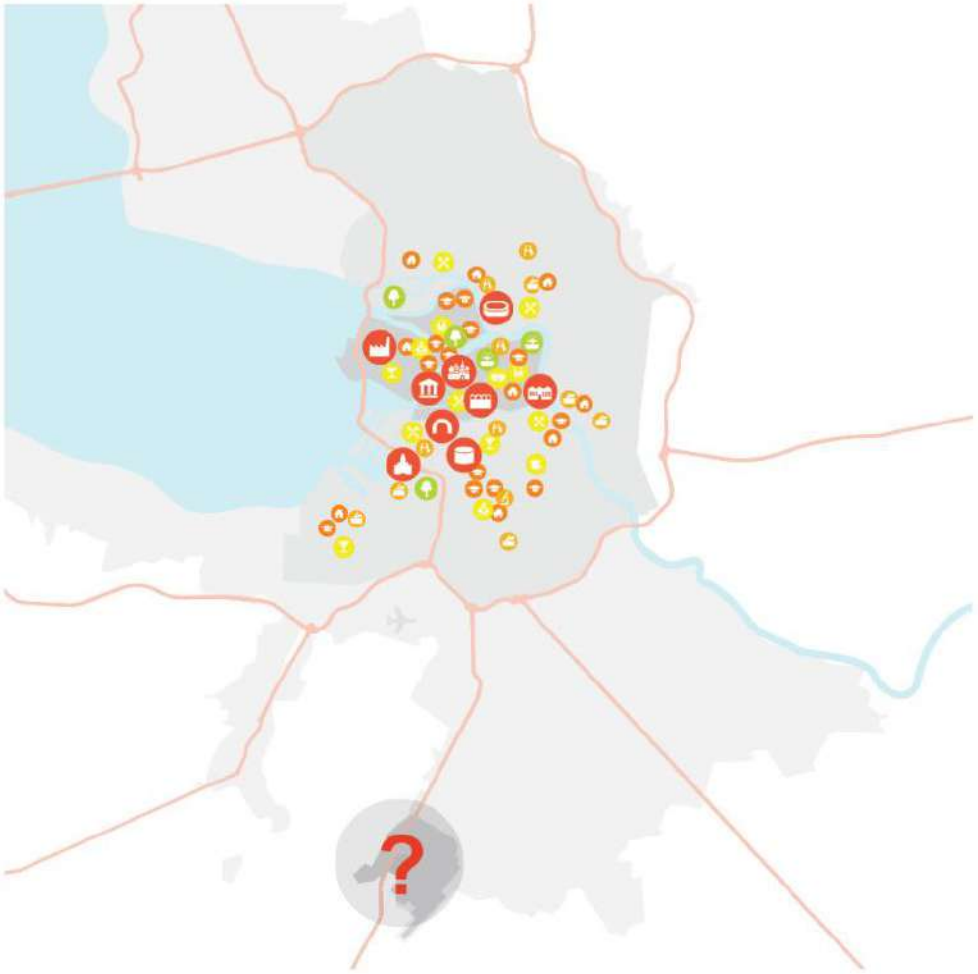
Культурный кампус
The cultural campus

Кампус, вдохновленный культурным контекстом
Campus inspired by cultural context

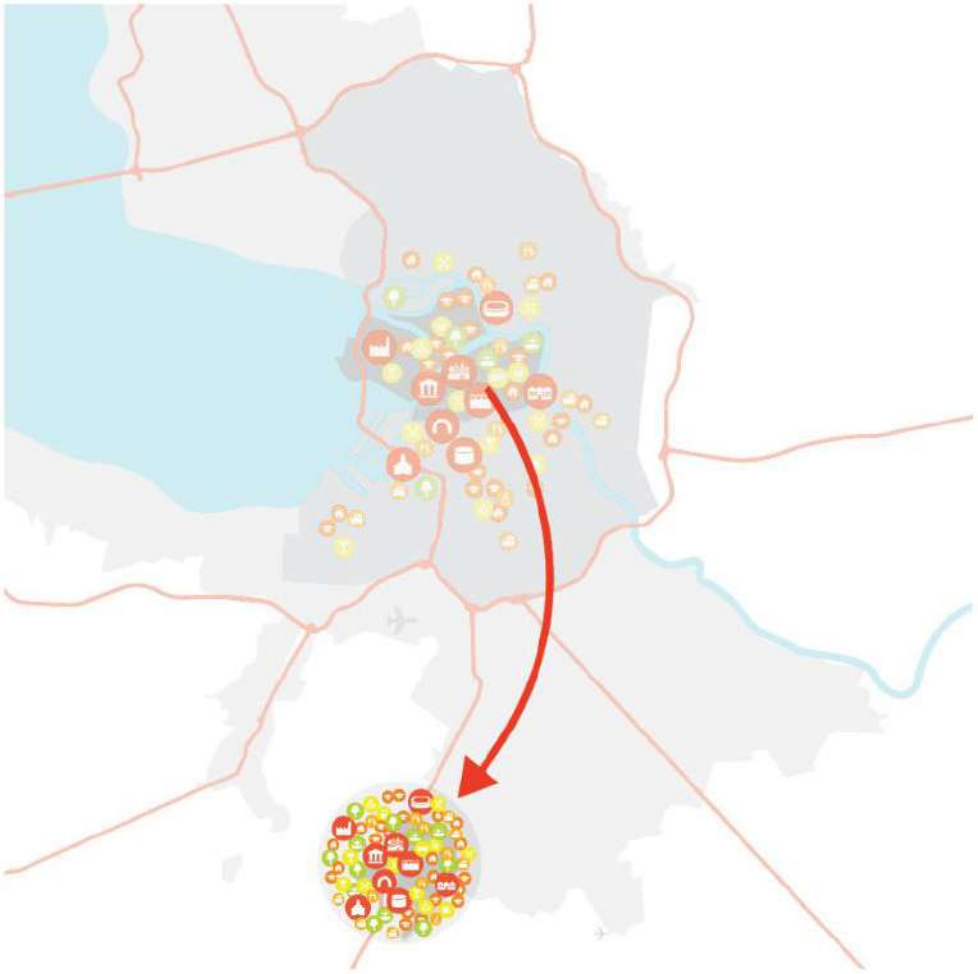
Цели
Objectives

Урбанистическая стратегия
Urban strategy

Местоположение «Южного»
Location of «Yuzhny»

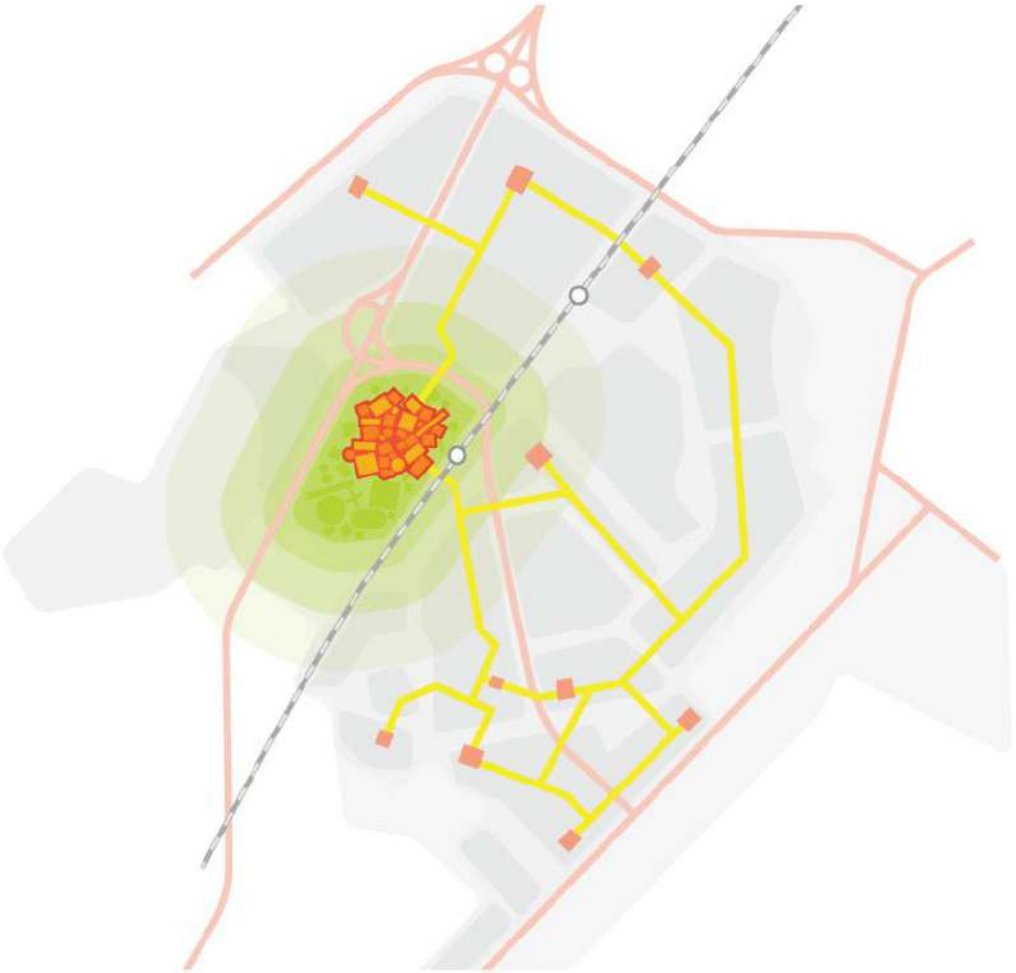


Создать настоящий город
Create a real city

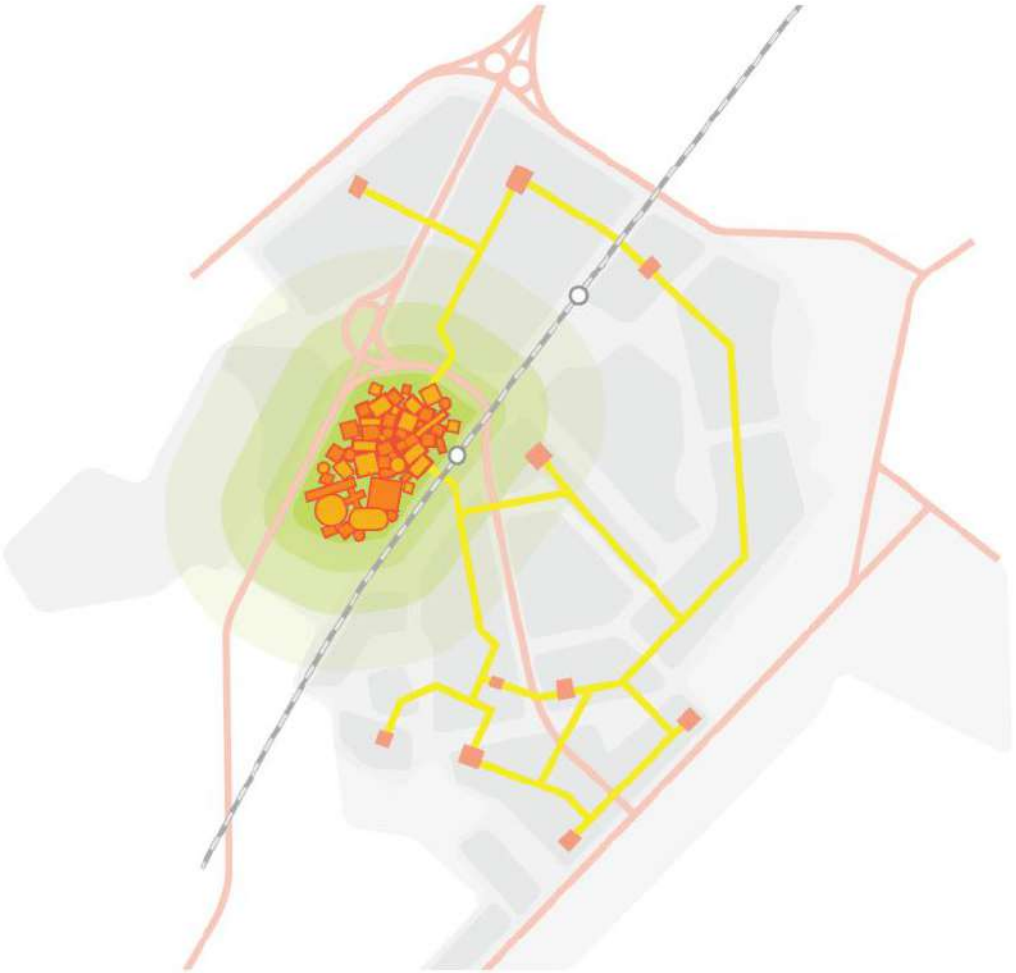


Местоположение ИТМО Хайпарка
Location of ITMO Highpark

Создать плотный кампус
Create a dense campus



Создать место для дальнейшего развития
Create space for further expansion



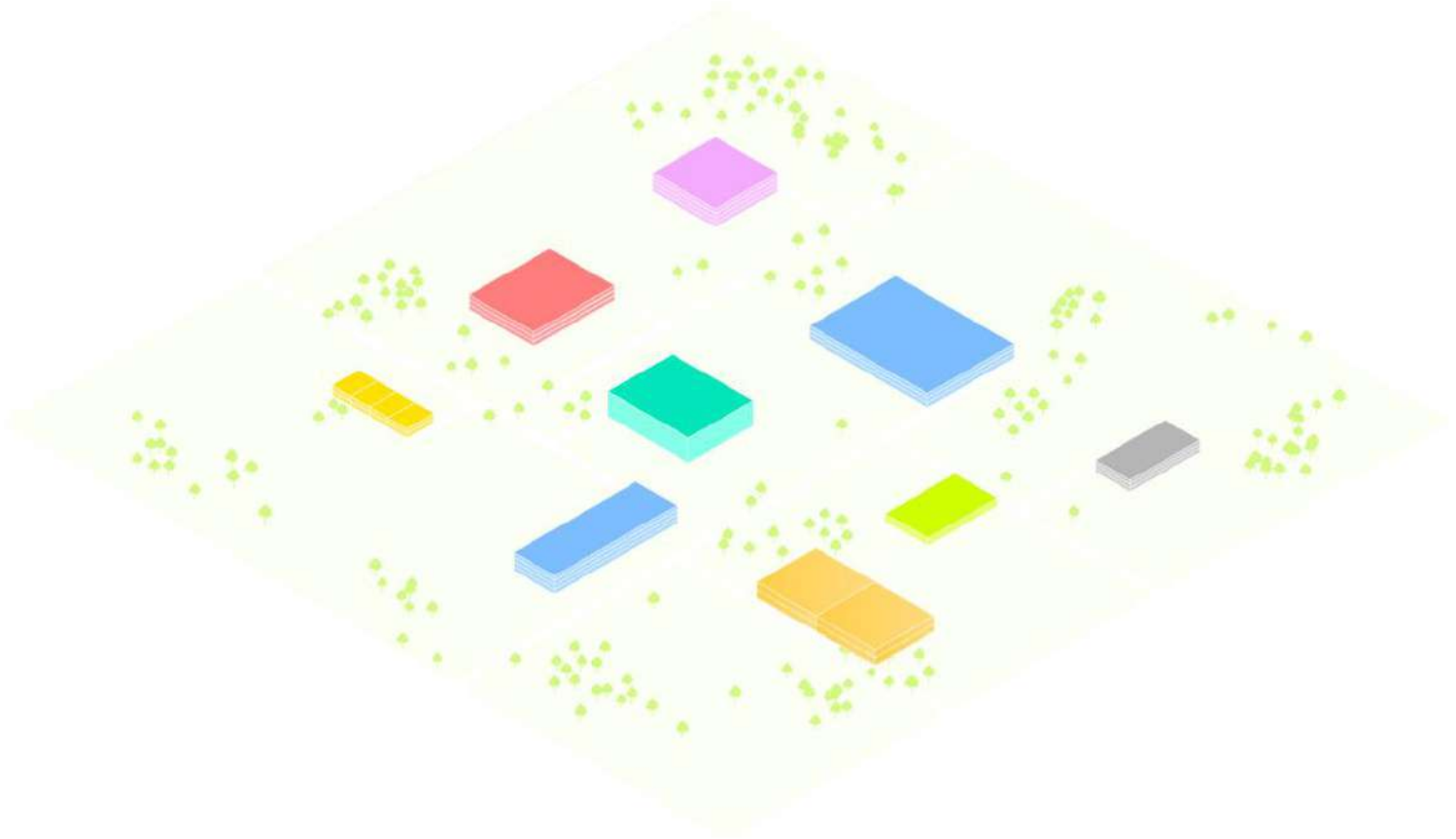
Следующий ИТМО

Экспериментальный, инновативный, соединяющий, разносторонний и свободный

THE NEXT ITMO

Experimental, innovative, connective, varied and free

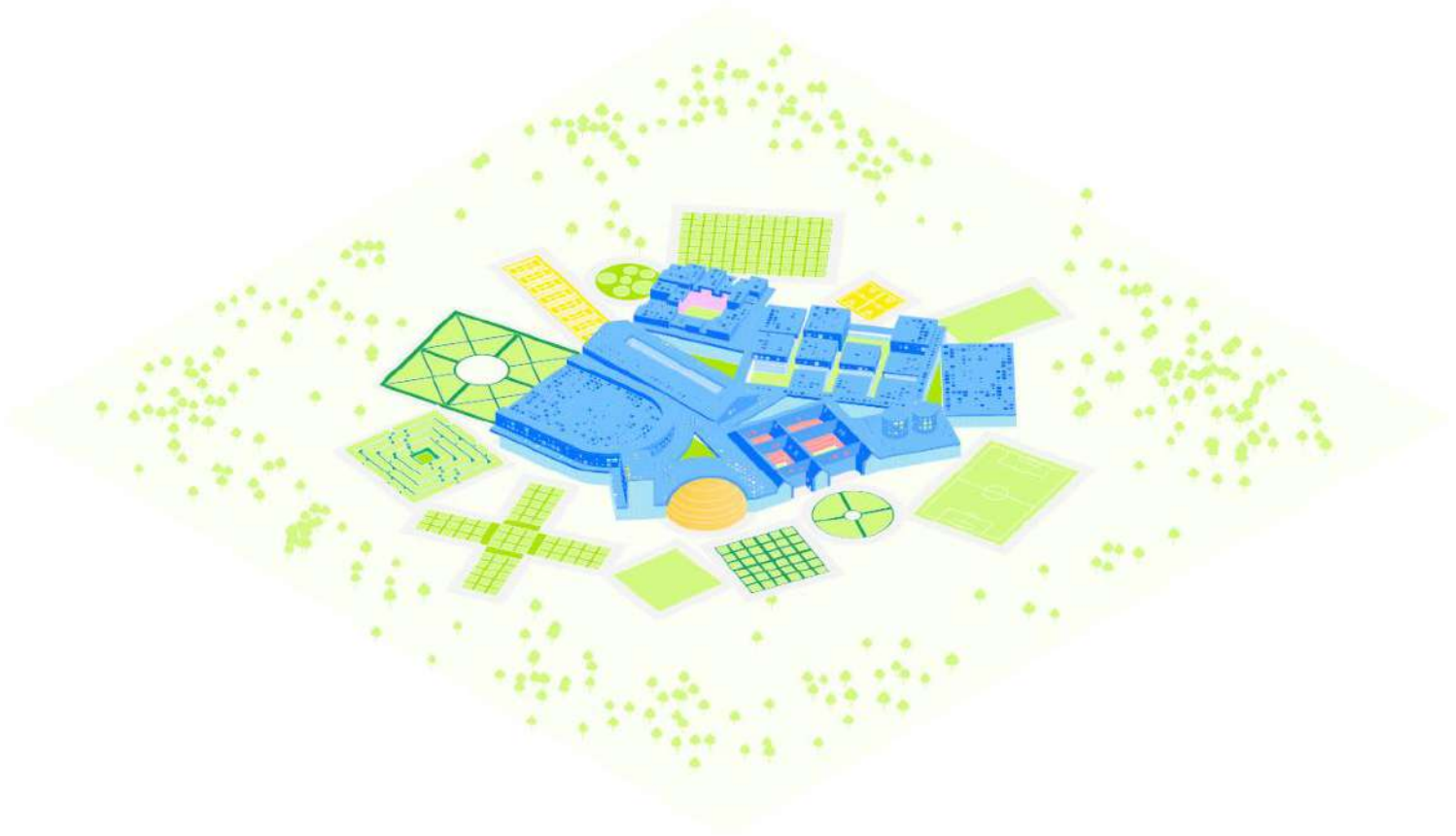
Общий кампус
Generic campus



Определенные типологии
Specific typologies

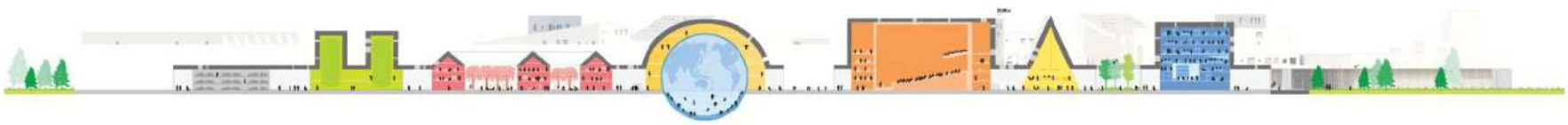
Компактный кампус
Compact campus

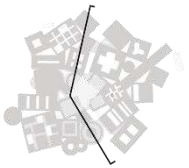
Крытое здание
Sheltered building



ta Fabbrica
tti Rico
PALERMO
RLATO

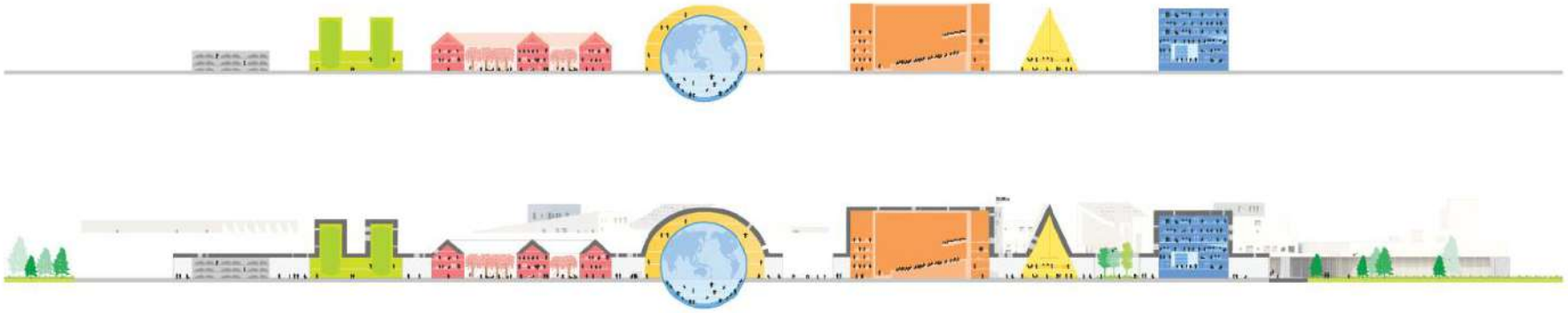
Компактный кампус
The compact campus

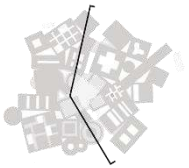




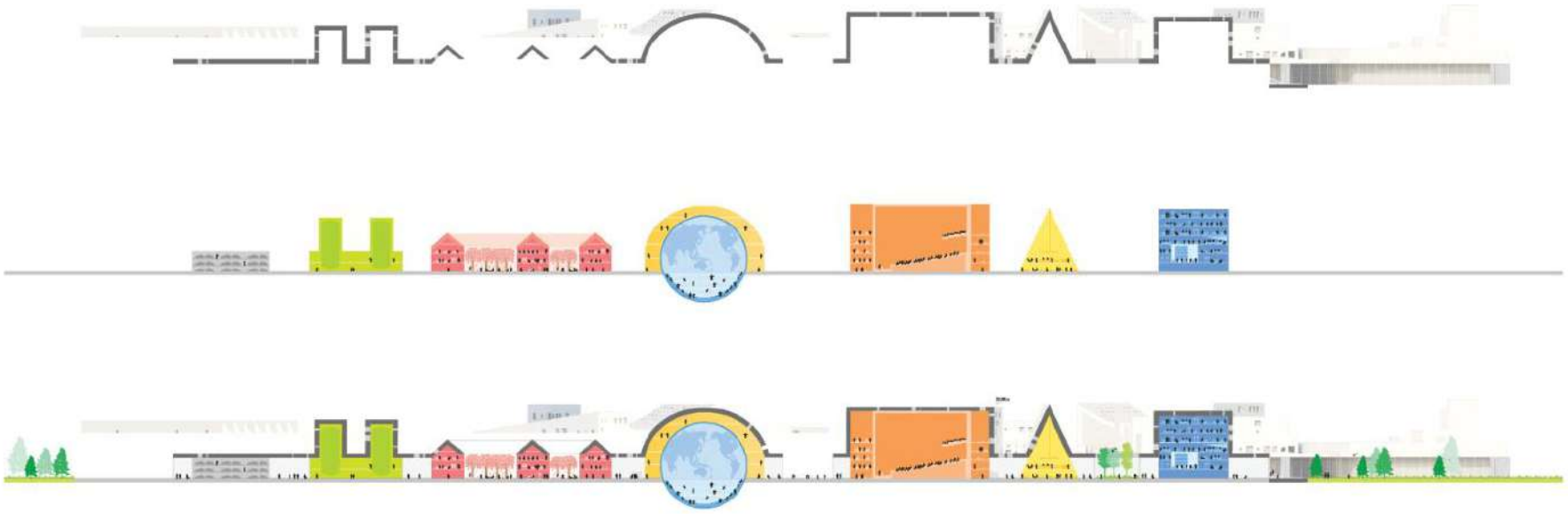
Определенные типологии

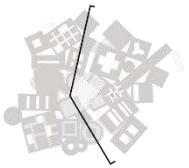
The specific typologies

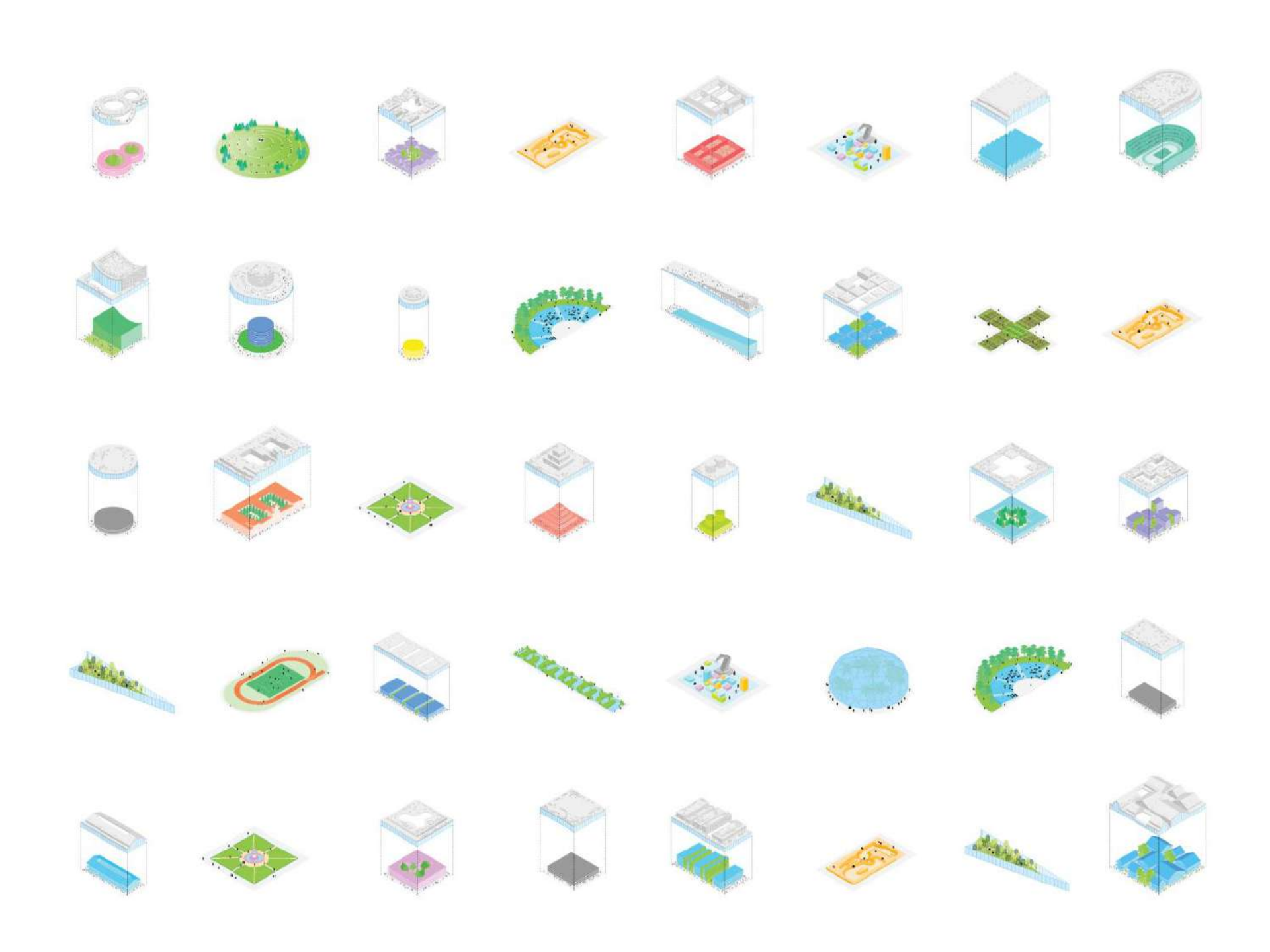




Крытое здание
The sheltered building

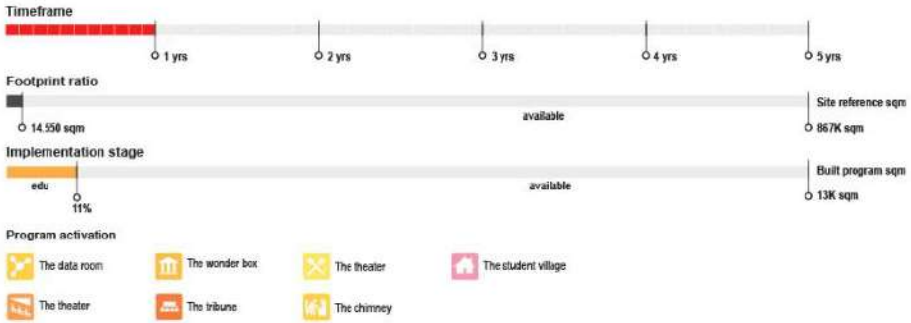




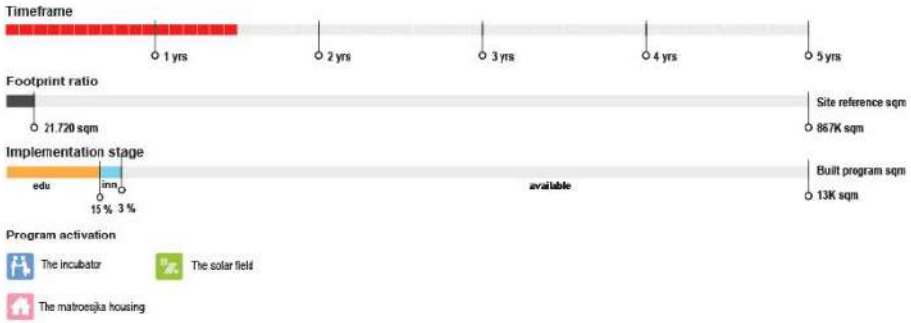


Поэтапное возведение кампуса
Campus build-up

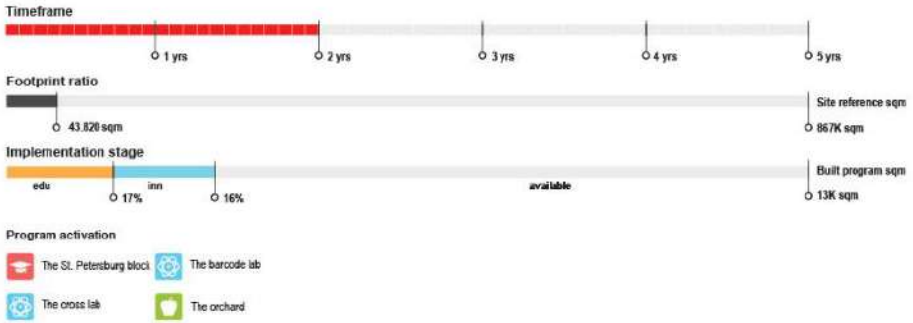
Стадия 1: главное здание и общежитие
Phase 1: main building and student housing



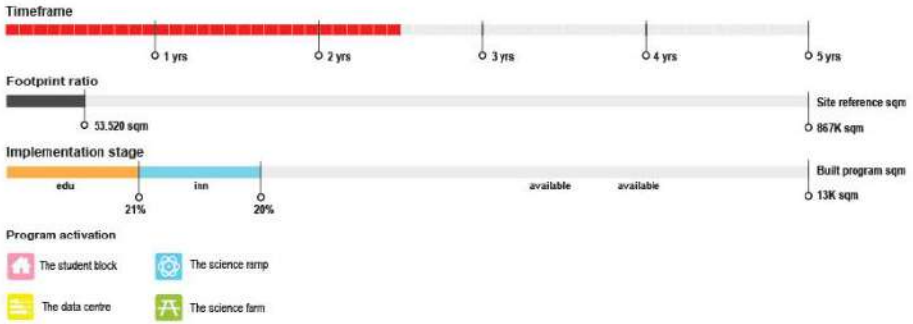
Стадия 2: бизнес инкубатор, общежитие и солнечное поле
Phase 2: business incubator, dormitory and solar field



Стадия 3: центр фотоники, лаборатории «Крест» и «Штрих-код», фруктовый сад
Phase 3: centre of photonics, the cross lab, the barcode lab, the orchard

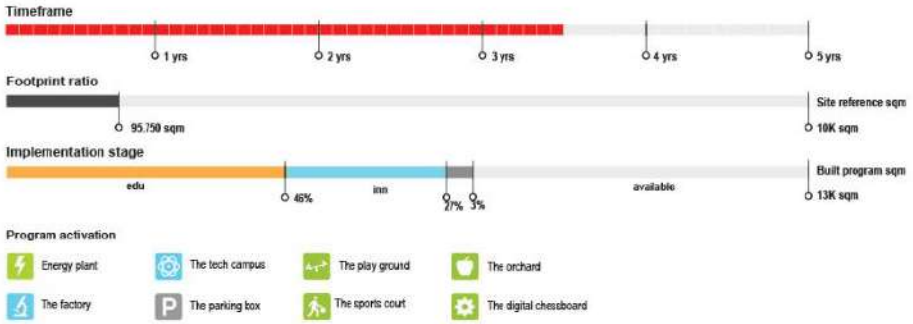


Стадия 4: центр фотоники, научный склон, хранилище данных, научная ферма
Phase 4: the dormitory, the science ramp, the data centre, the science farm



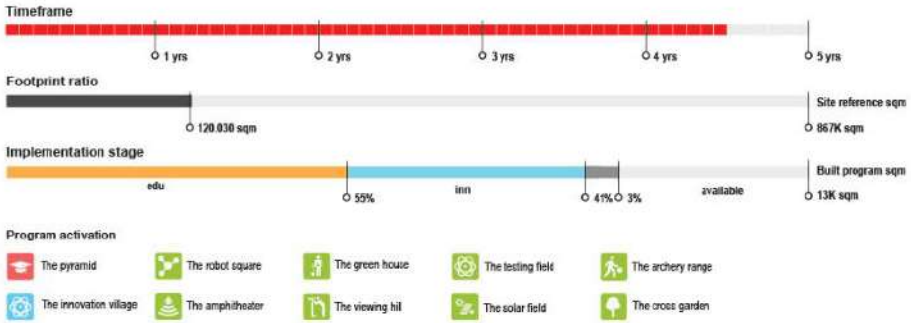
Стадия 5: центр информатики, паркинг, спорткомплекс, сады
Phase 5: centre for IT, parking, the halfpipe, gardens

Стадия 6: электрическая установка, технологический кампус, центр урбанистики
Phase 6: energy plant, the tech campus, the factory, gardens and sport courts

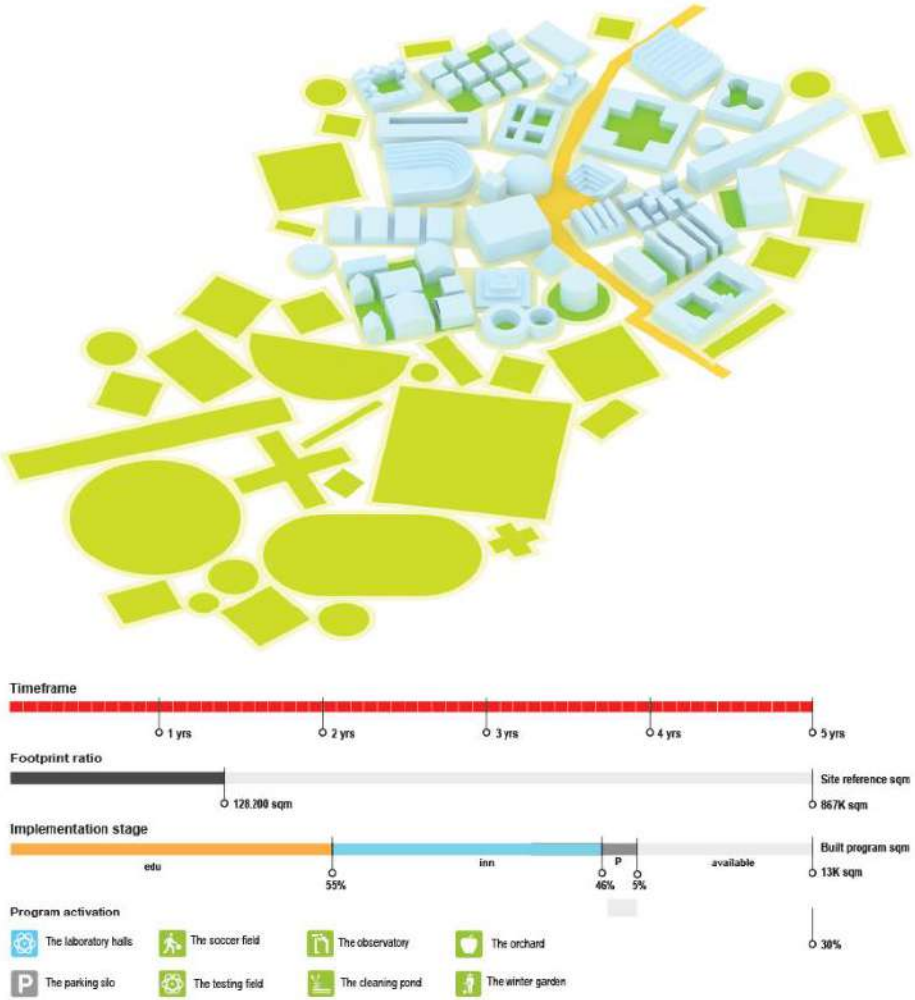


Стадия 7: общежитие, производственный цех, стадион, сады
Phase 7: the dormitory, the production hall, stadium, sports court and gardens

Стадия 8: центр наук о здоровье и жизни, деревня инноваций, парник, сады
Phase 8: centre for health and life sciences, innovation village, green house, gardens



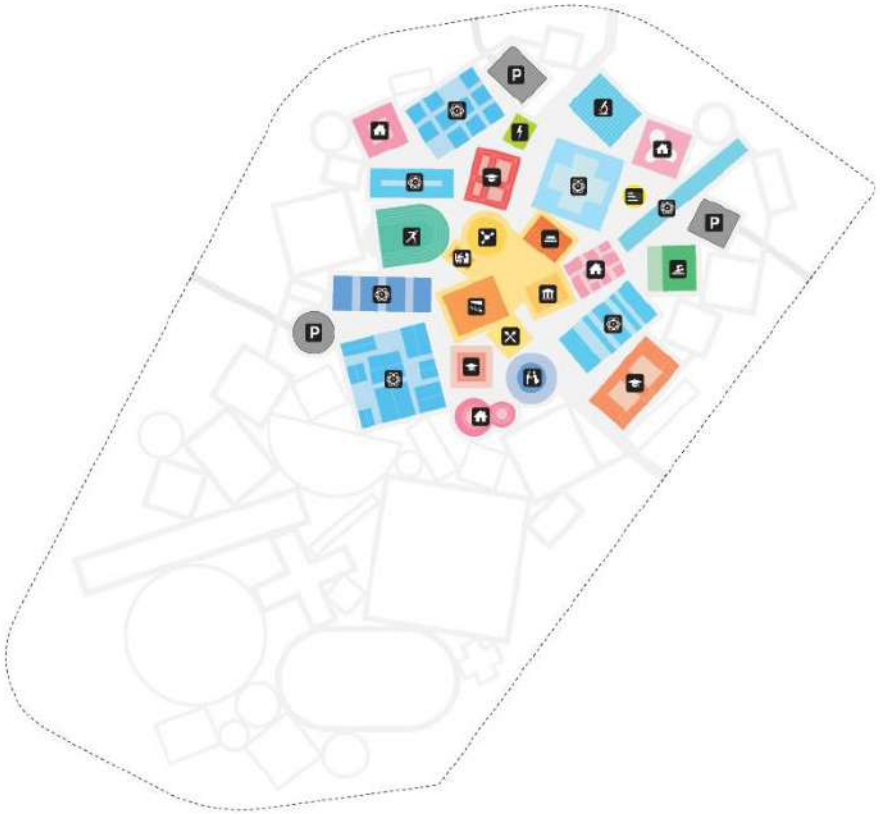
Стадия 9: лабораторные холлы, паркинг, футбольное поле, обсерватория, сады
Phase 9: laboratory halls, parking, soccer field, observatory, the cleaning pond, gardens



Мастерплан
Masterplan

Принципы кампуса
The campus principles

Распределение функций
Program distribution

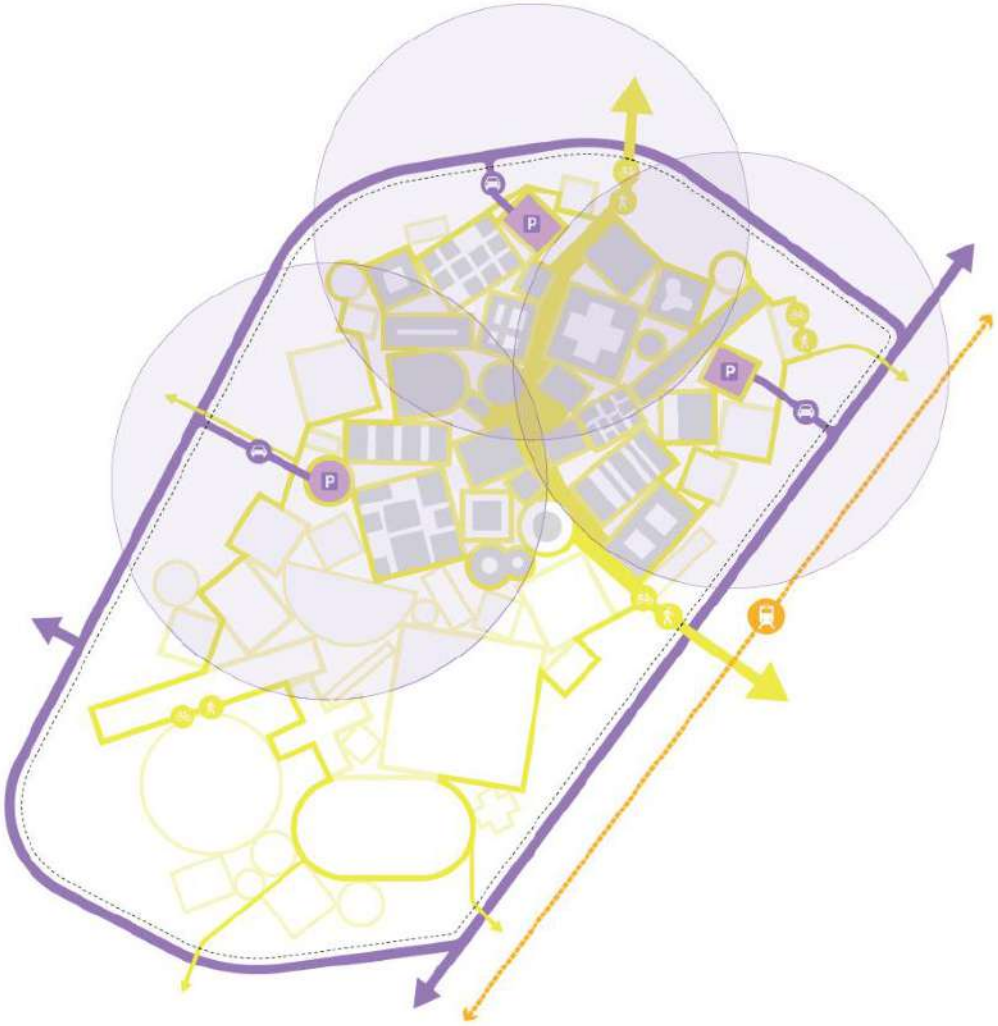


Ландшафт кровли
Roof landscape

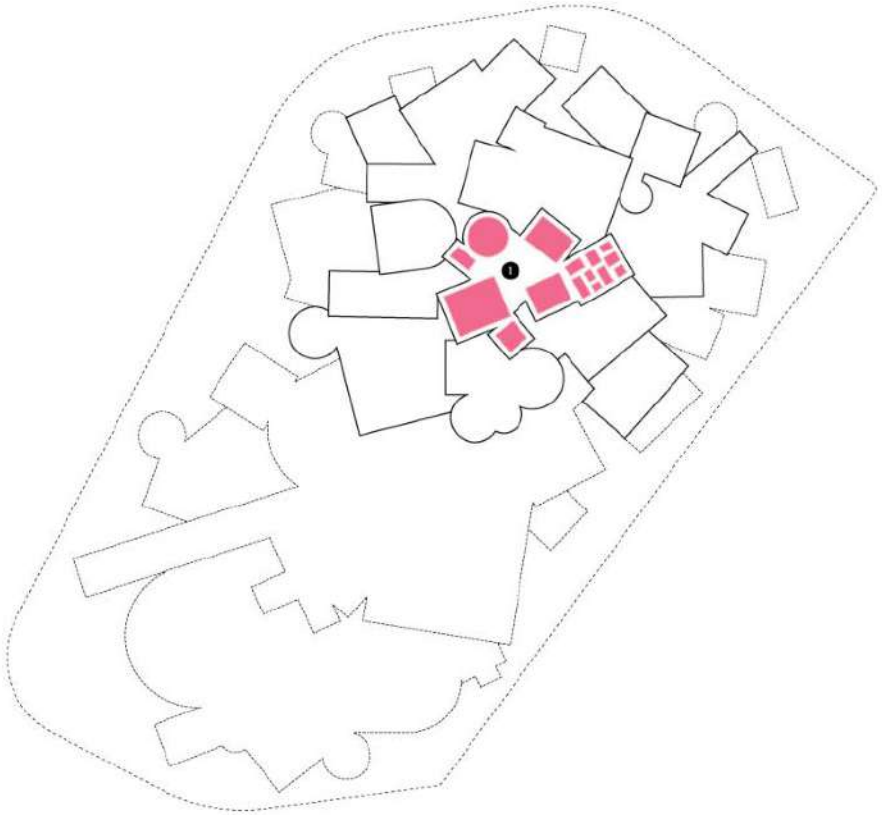
Общественное пространство
Public space

Применение стратегии устойчивости
Sustainability implementation

Транспортные решения
Transport solutions

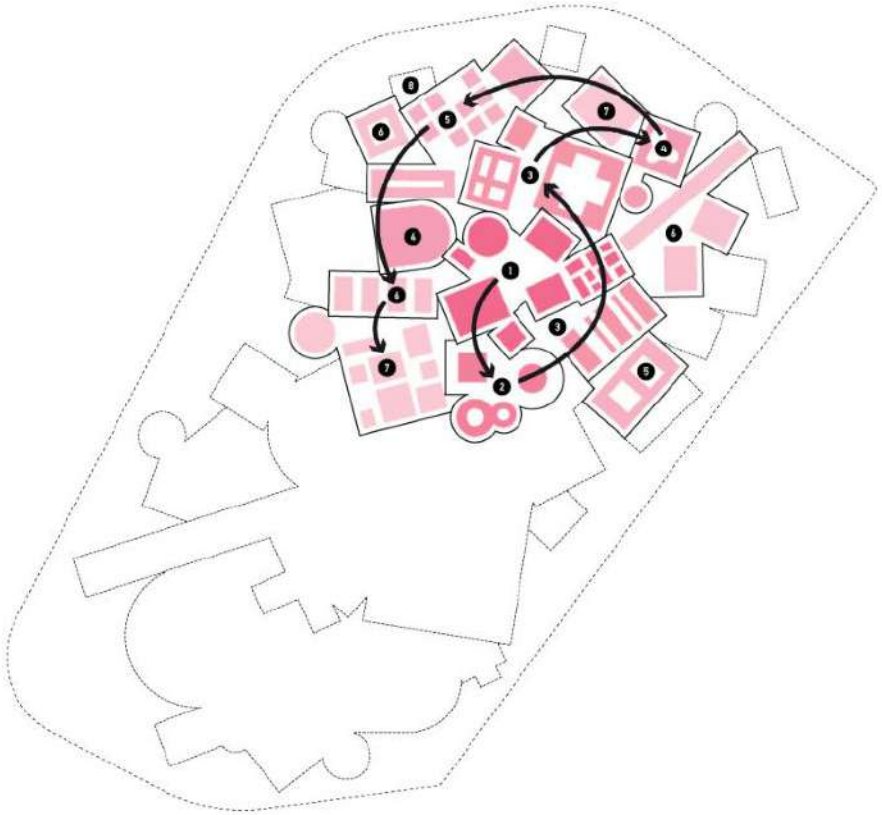


Поэтапная планировка
Phasing

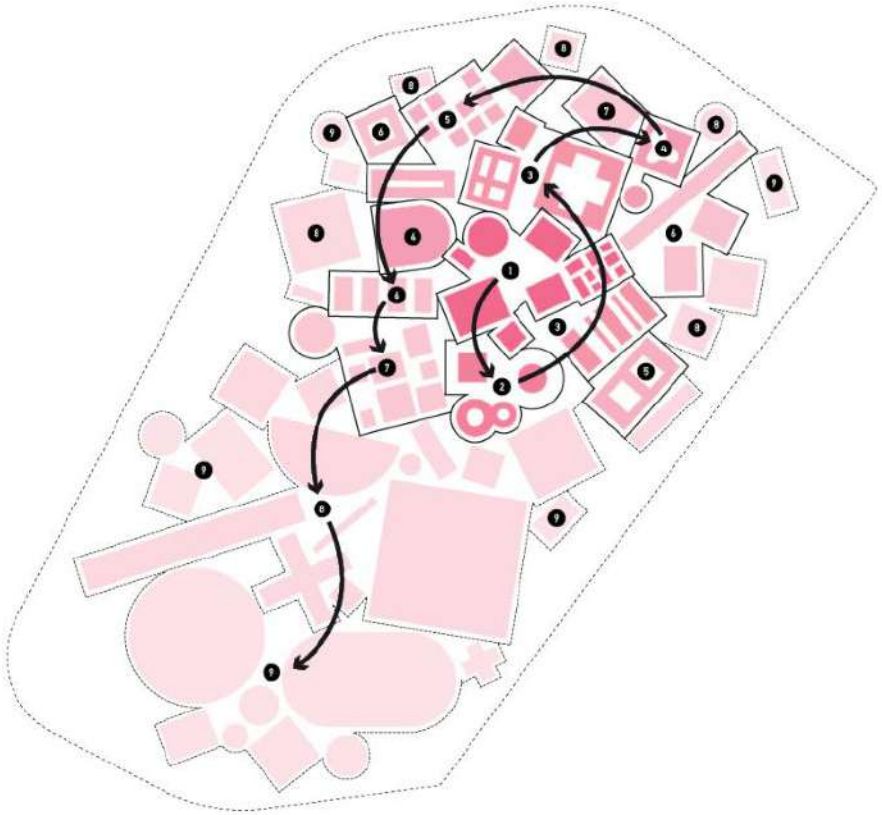


Поэтапная планировка
Phasing

Поэтапная планировка
Phasing



Поэтапная планировка
Phasing

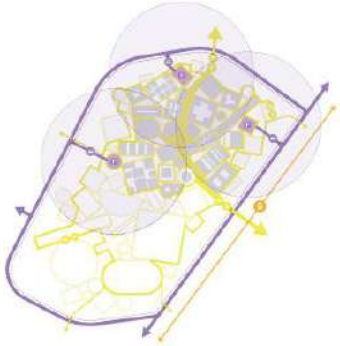


Обзор концептуальных схем
Concept diagrams overview

Program distribution

Public space

Roof landscape



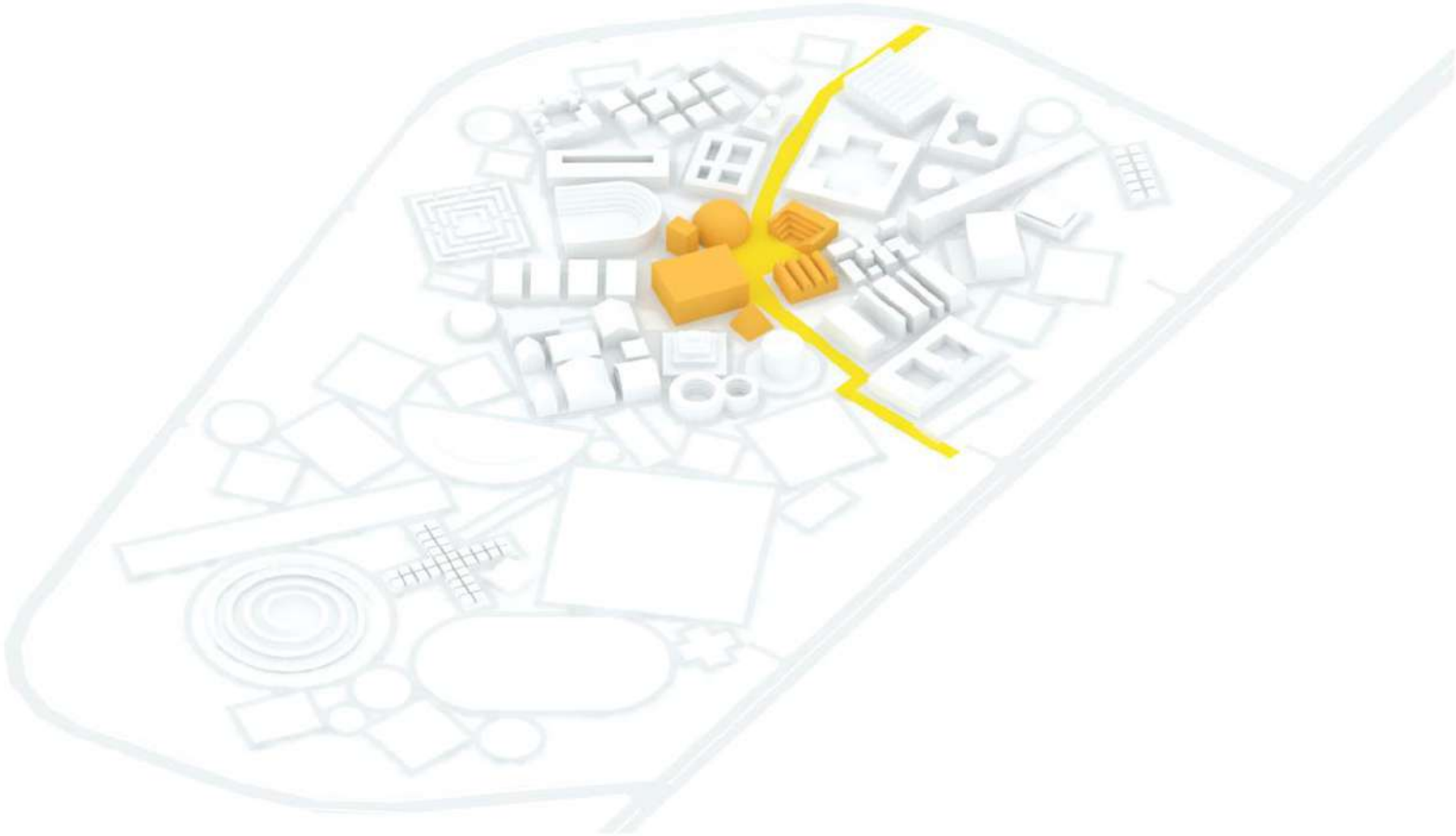
Transport solutions

Sustainability implementation

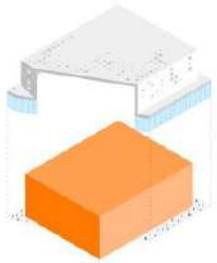
Phaseable layout

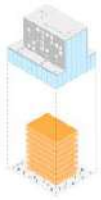
Главное академическое здание
The main academic buildings

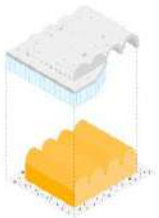
Обзор главных академических зданий
Overview main academic buildings

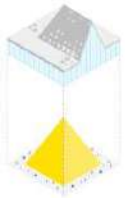


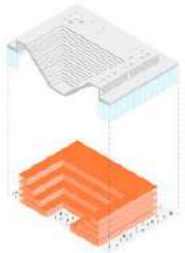
Каталог типологий главных академических зданий
Overview typologies main academic buildings



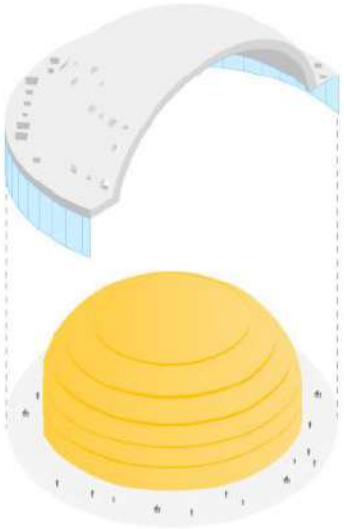






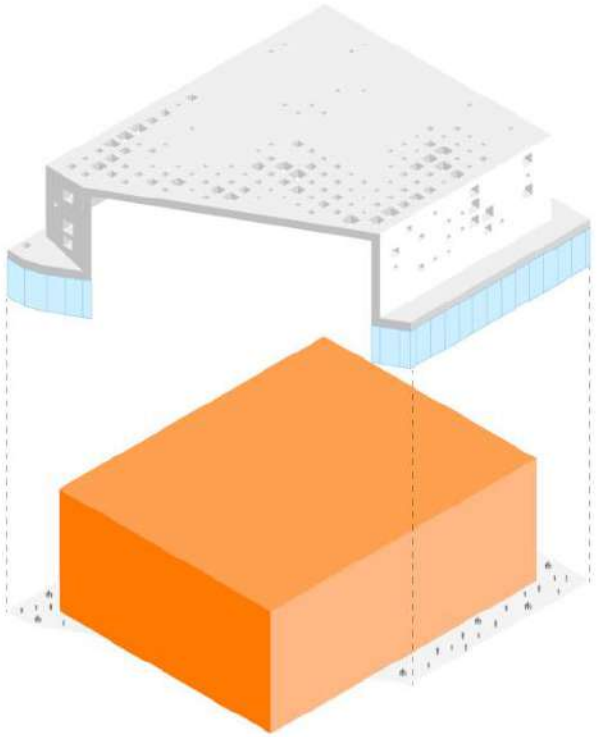


Комната Мира - культурный центр
The data room - Centre for culture and creativity



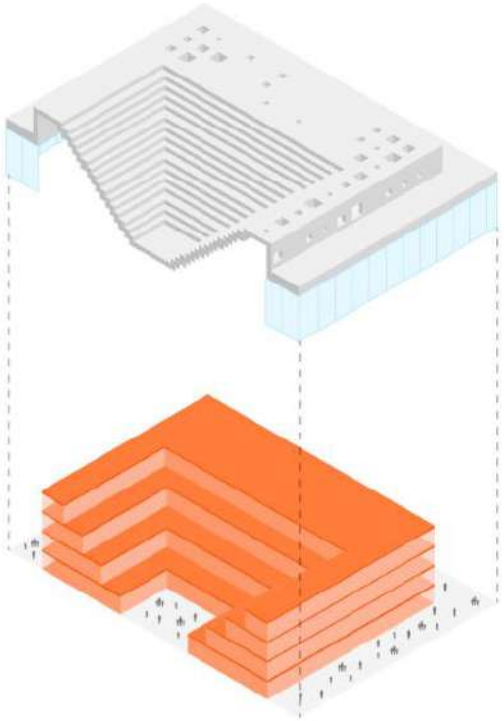
Место где мы показываем будущее и взаимодействуем с миром
The place where we present the future and interact with the world

Аудитория – конференц-зал
The theatre - Conference hall



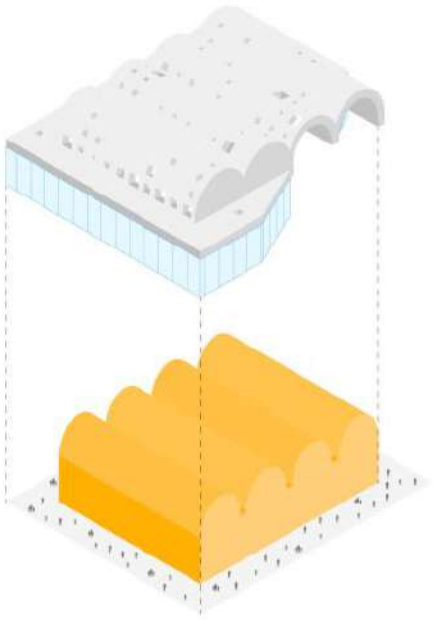
Место где мы организовываем интернациональные технологические конференции
The place where we organize international tech conferences

Трибуна – лекционные холлы и классы
The tribune - Lecture halls and classrooms



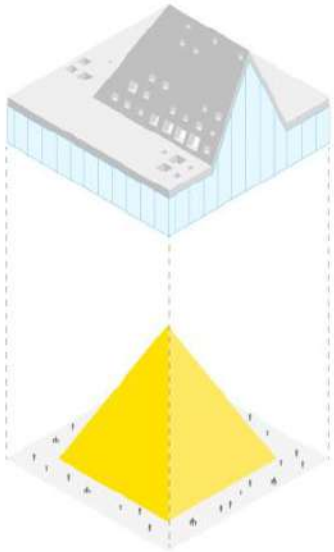
Место где мы преподаем, устраиваем воркшопы и мероприятия на открытом воздухе
The place where we teach, have workshops and outdoor events

Чудо-бокс – музей и выставочное пространство
The wonderbox - Museum and exhibition facilities



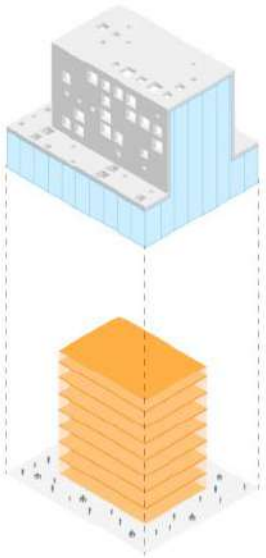
Место где мы проводим выставки о последних открытиях
The place where we have exhibitions about latest discoveries

Дымоход - кафе ИТМО
The chimney - ITMO cafeteria



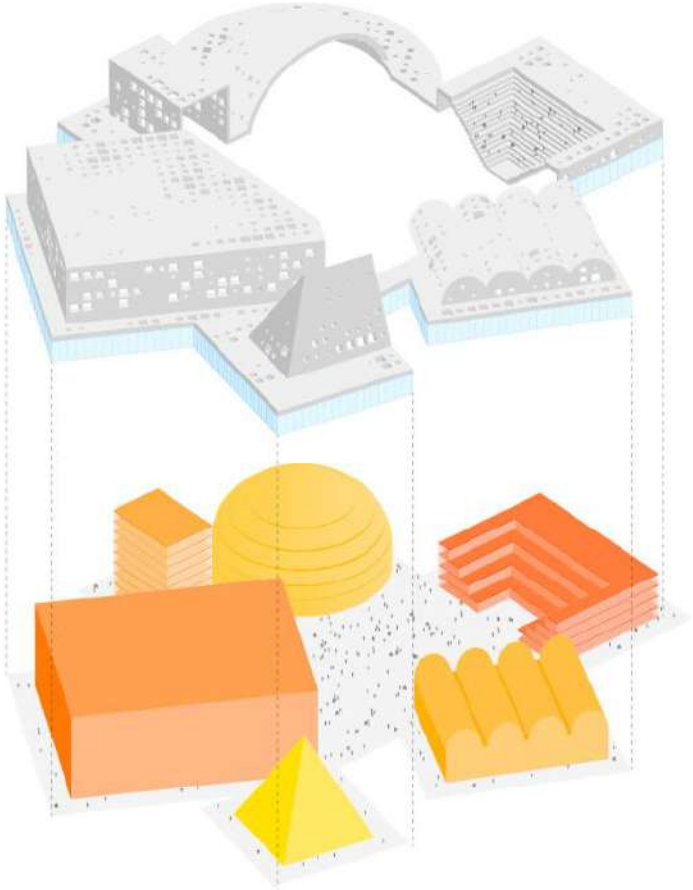
Место где мы ужинаем у камина
The place where we have a dinner near the fire fireplace

Офисная высотка – офисы ИТМО
The office tower - ITMO offices

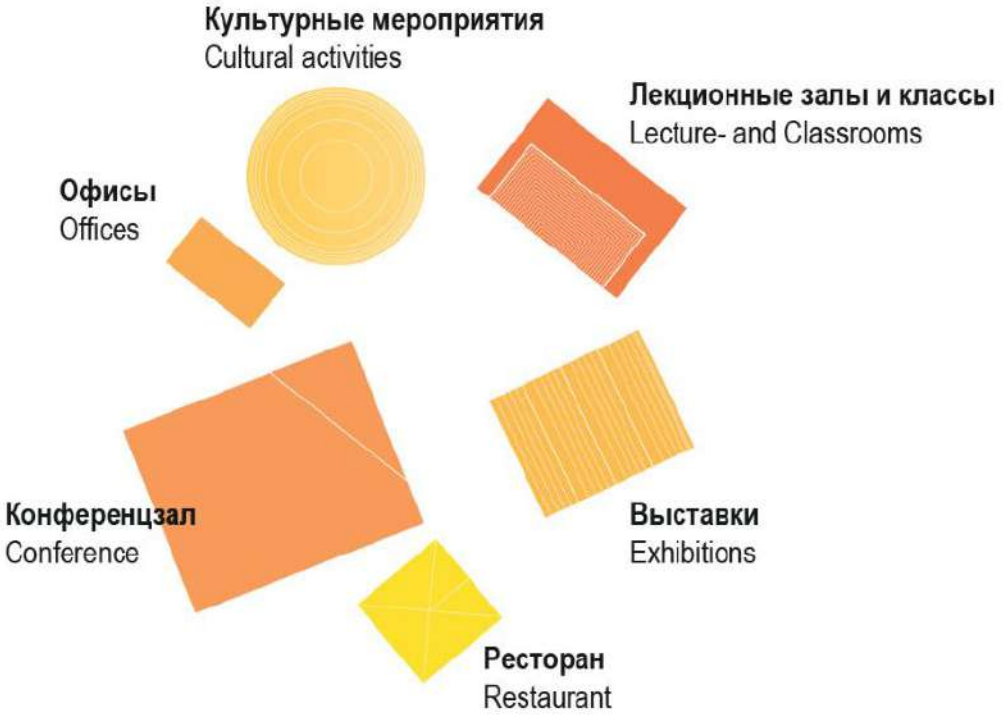


Место где мы образуем коммуну ИТМО
The place where we organize the ITMO community

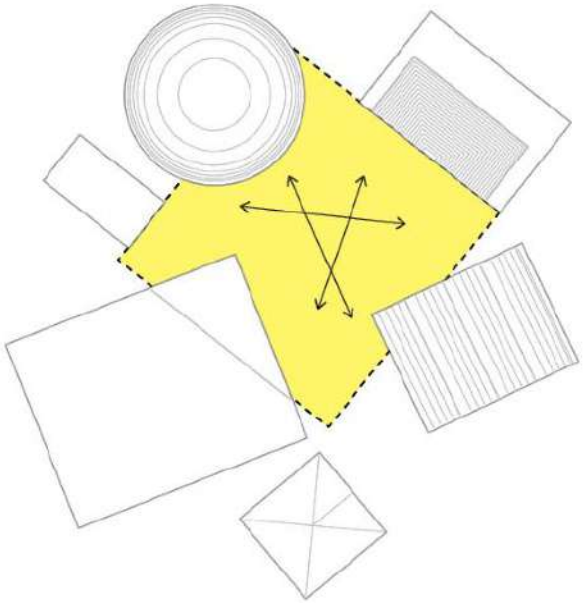
Главное академическое здание и площадь ИТМО
Main academic buildings and the ITMO square



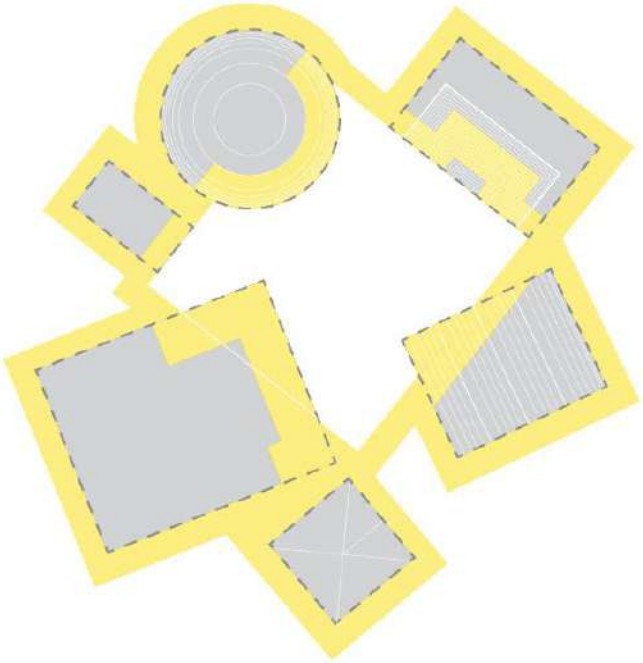
Функциональное зонирование
Functional zoning



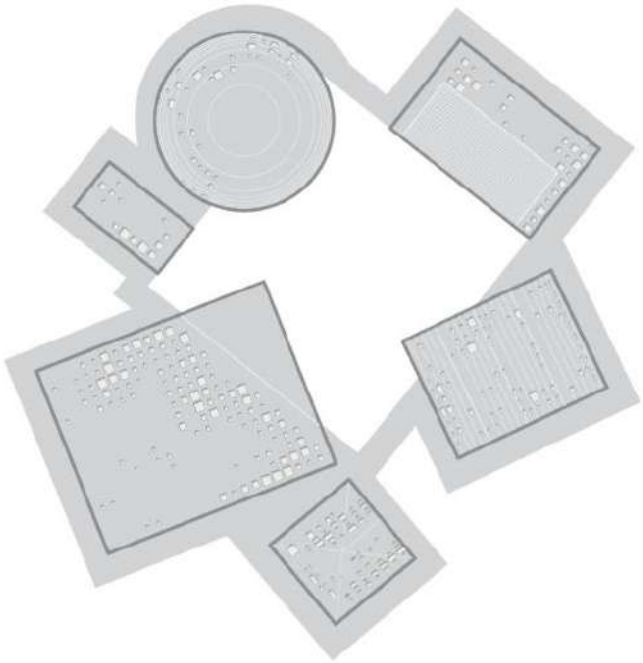
Организация вокруг главной площади
Organization around main square



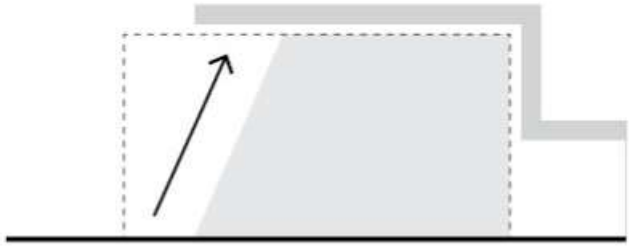
Соединенные галереи
Gallery connections



Общая кровля для интеракции 24/7
Shared roof for 24/7 interaction

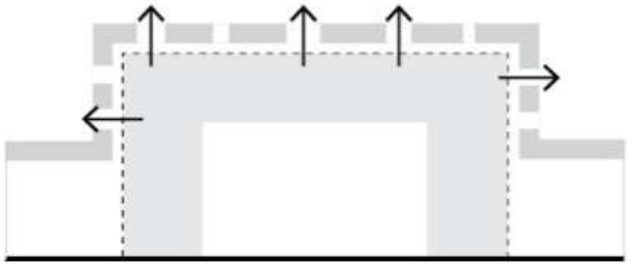


Видимость кровли
Visibility of the roof



Видимость кровли
Visibility of the roof

Дневной свет за счет отверстий
Daylight by openings



Дневной свет за счет отверстий
Daylight by openings

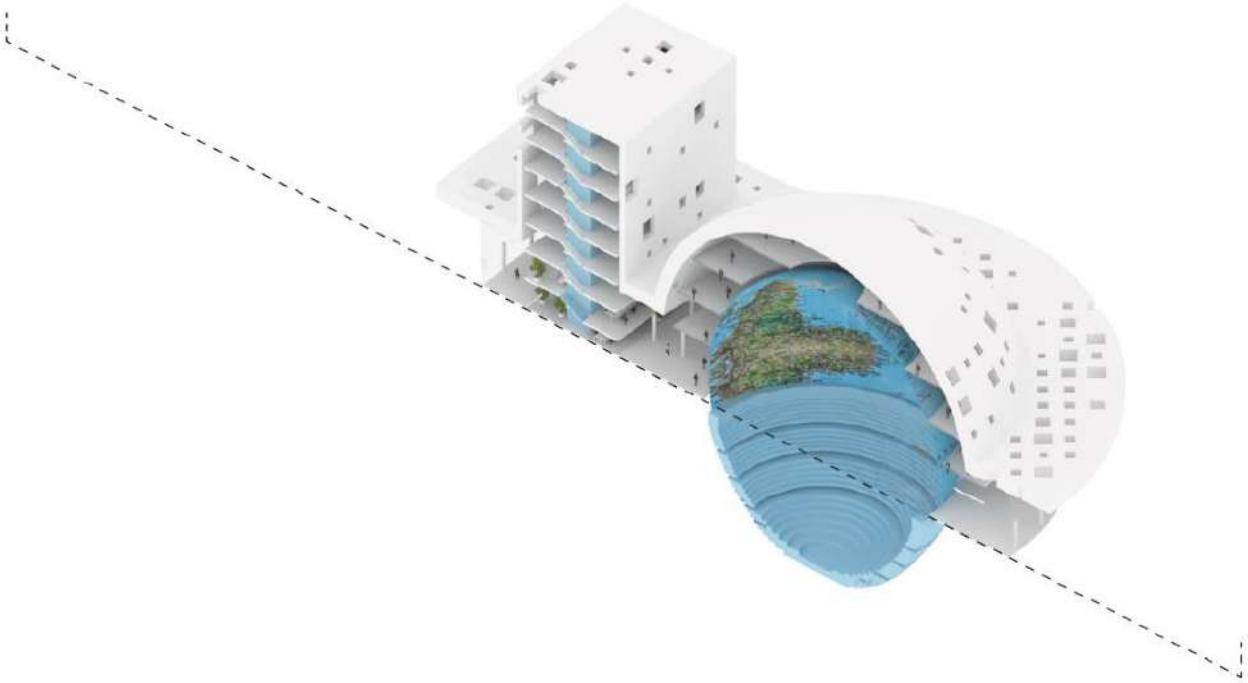
Интеракция снаружи и внутри
Interaction inside-outside

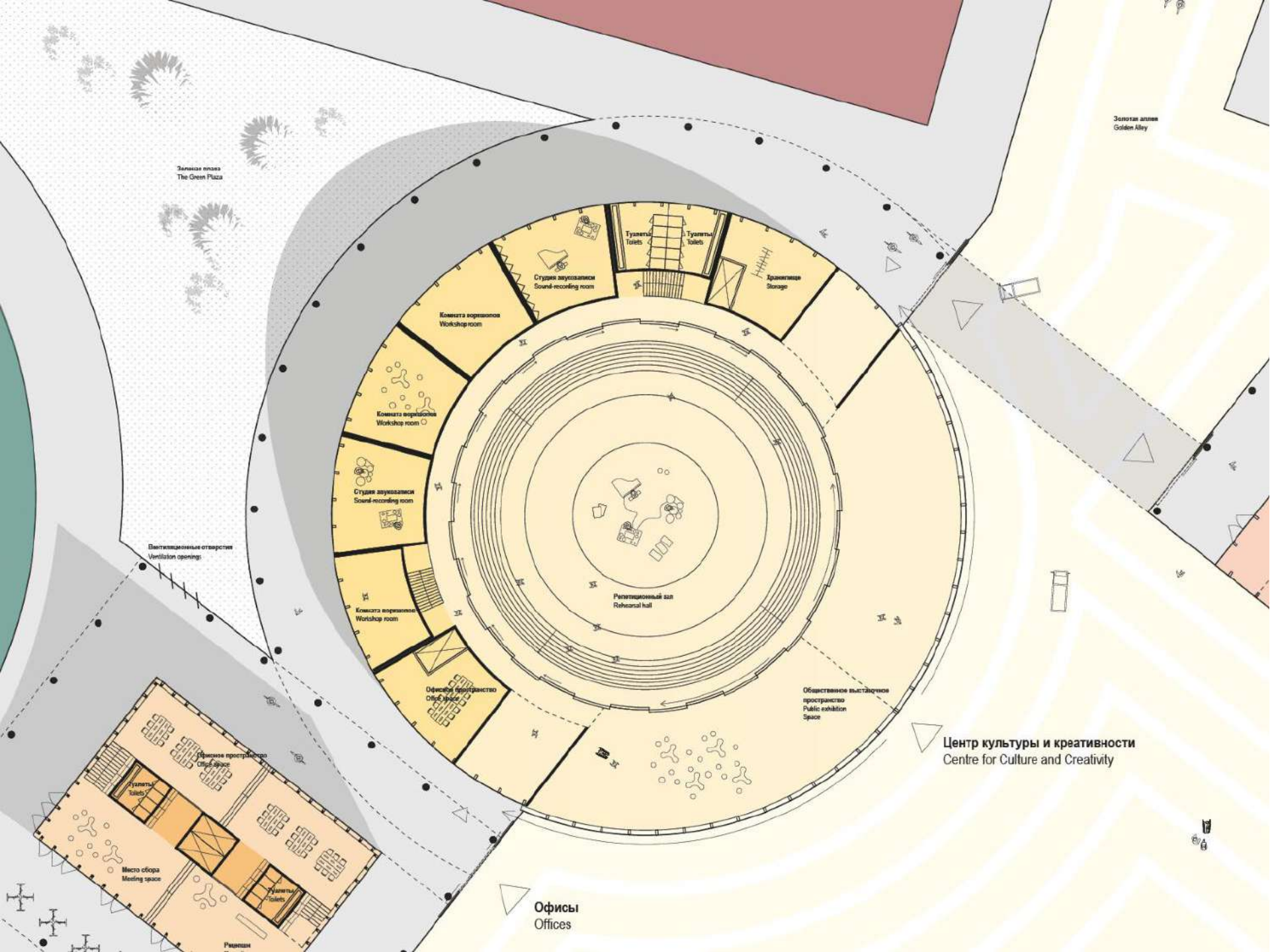
Интеракция снаружи и внутри
Interaction inside-outside

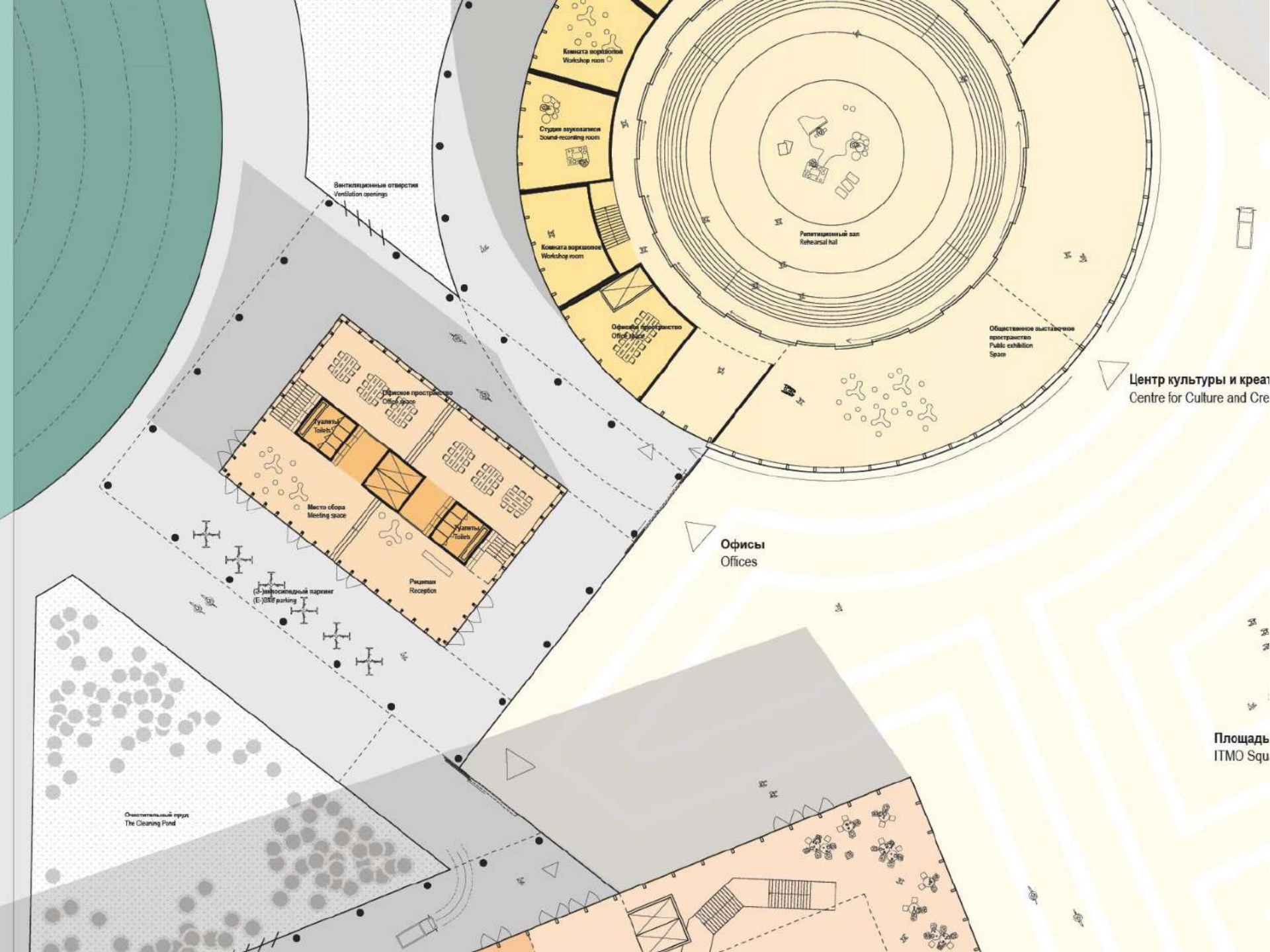
Главное академическое здание и площадь ИТМО
Main academic buildings and the ITMO square

Главное академическое здание
Main academic buildings

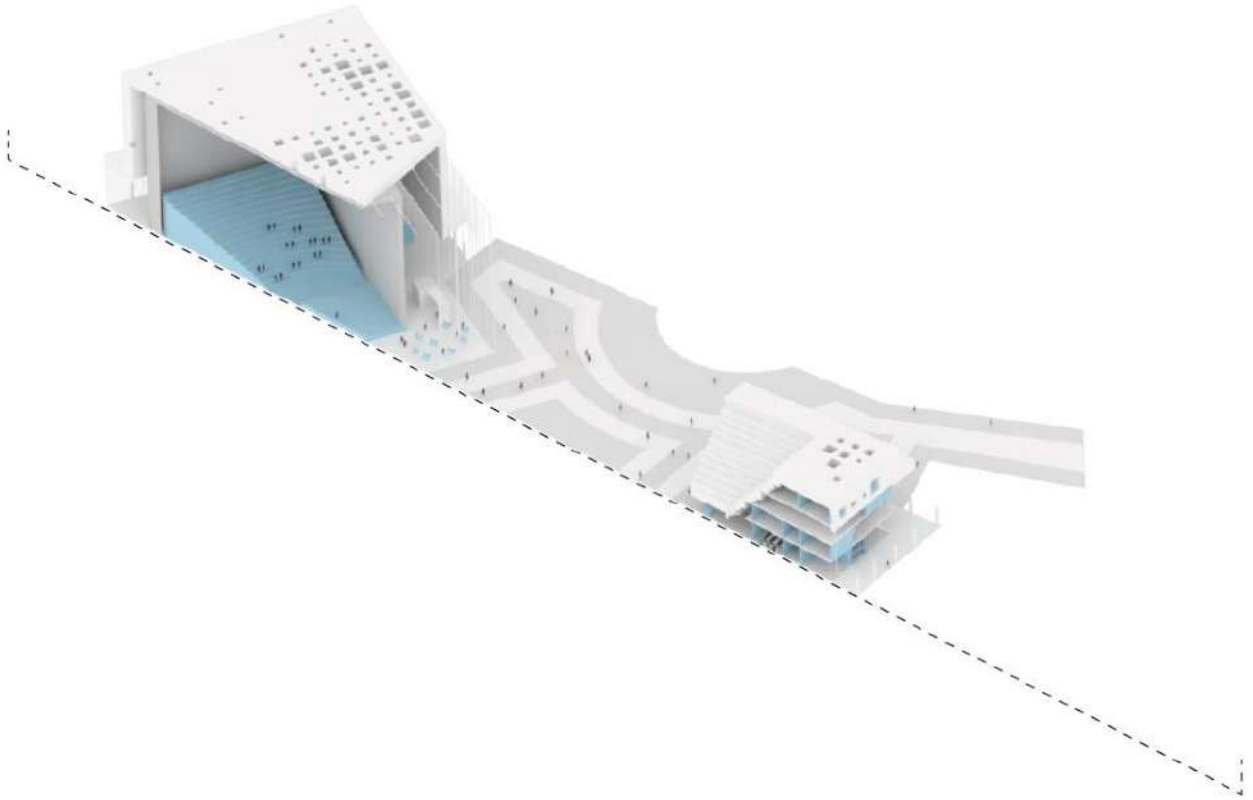
Офисы и Комната Мира
The data room and office tower

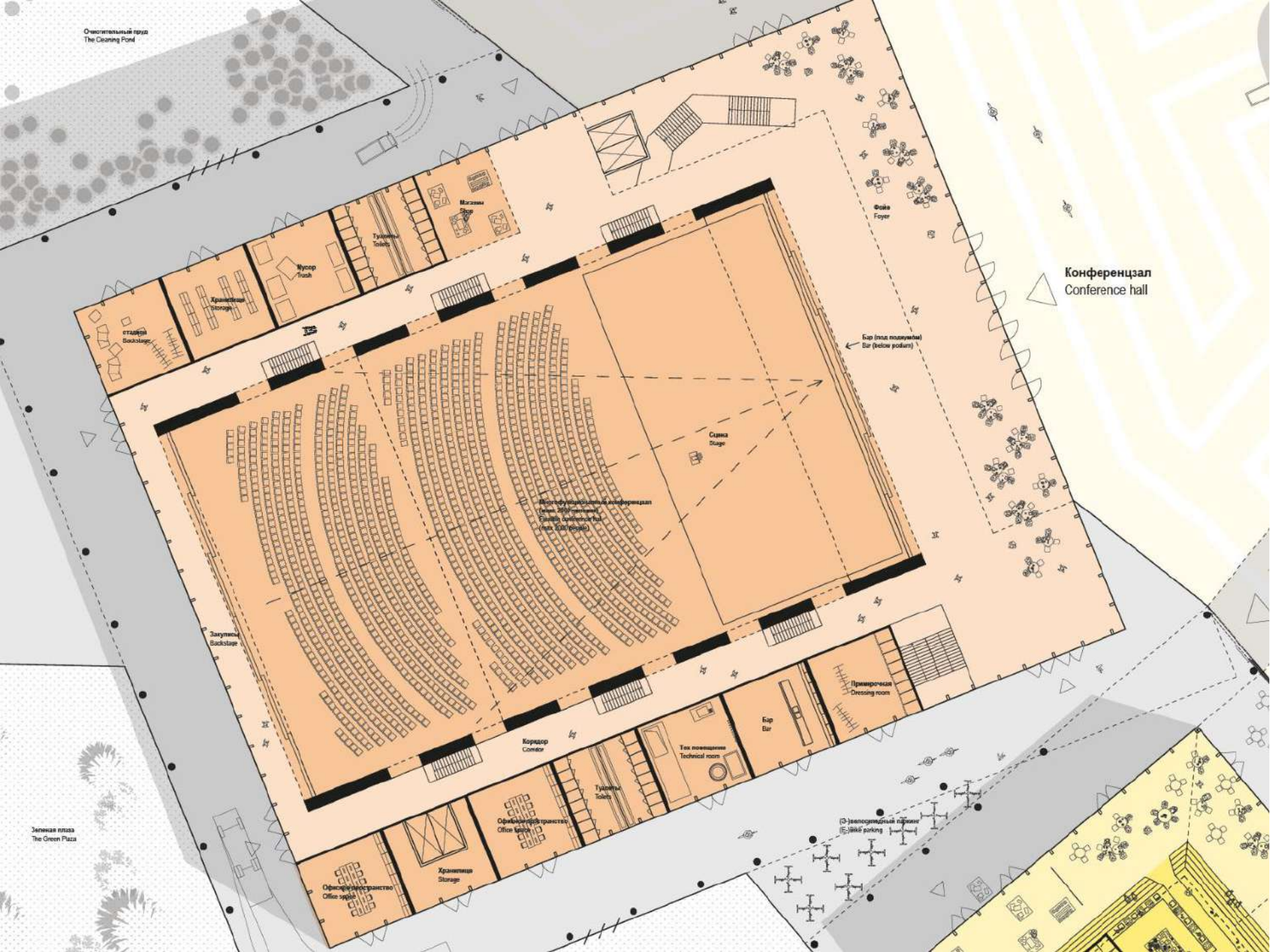



Зеленая площадь
The Green Plaza
Золотая аллея
Golden Alley
Туалеты
Toilets
Туалеты
Toilets
Студия звукозаписи
Sound-recording room
Хранилище
Storage
Комната воркшопов
Workshop room
Комната воркшопов
Workshop room
Студия звукозаписи
Sound-recording room
Вентиляционные отверстия
Ventilation openings
Комната воркшопов
Workshop room
Репетиционный зал
Rehearsal hall
Офисное пространство
Office space
Общественное выставочное пространство
Public exhibition Space
Центр культуры и креативности
Centre for Culture and Creativity
Офисное пространство
Office space
Туалеты
Toilets
Место сбора
Meeting space
Туалеты
Toilets
Офисы
Offices


Комната воркшопов
Workshop room
Студия звукозаписи
Sound-recording room
Вентиляционные отверстия
Ventilation openings
Комната воркшопов
Workshop room
Репетиционный зал
Rehearsal hall
Офисное пространство
Office space
Общественное выставочное пространство
Public exhibition Space
Центр культуры и креат
Centre for Culture and Cre
Офисное пространство
Office space
Туалеты
Toilets
Место сбора
Meeting space
Туалеты
Toilets
Рецепция
Reception
Офисы
Offices
Площадь
ITMO Squ
Очистительный пруд
The Cleaning Pond

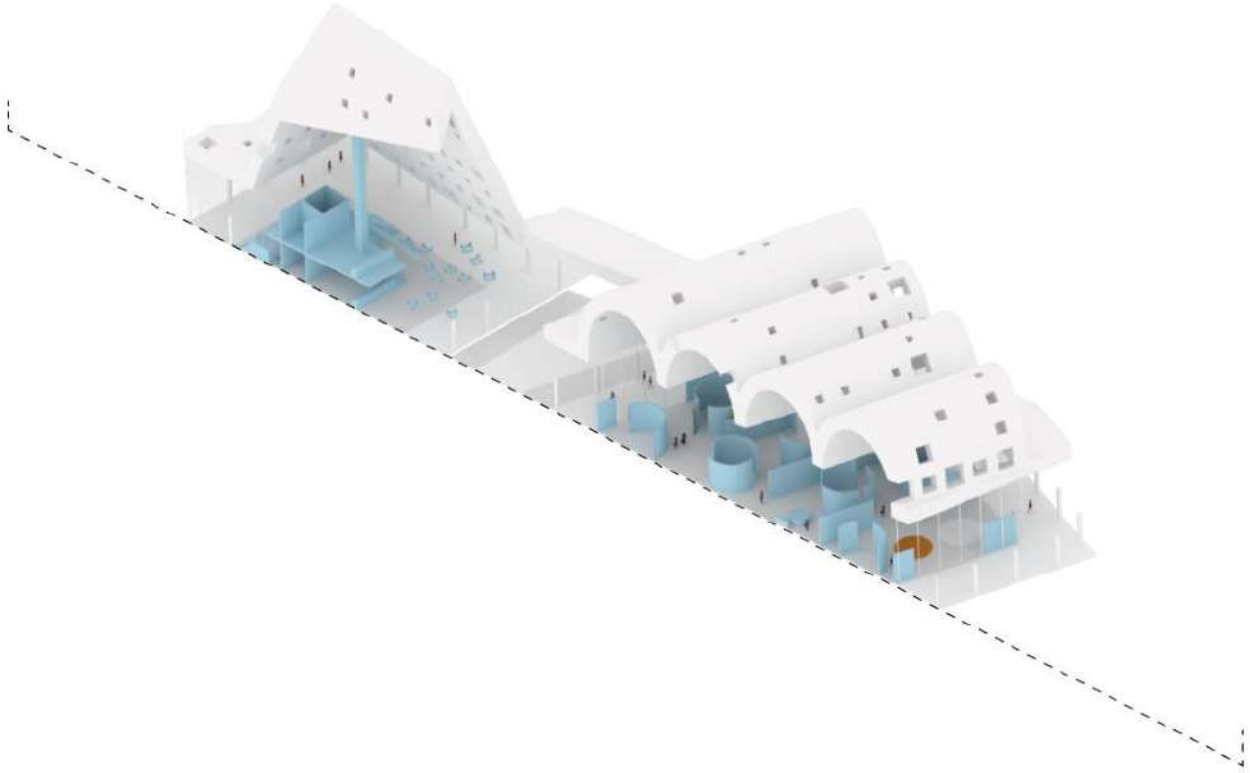
Аудитория и Трибуна
The tribune and theatre



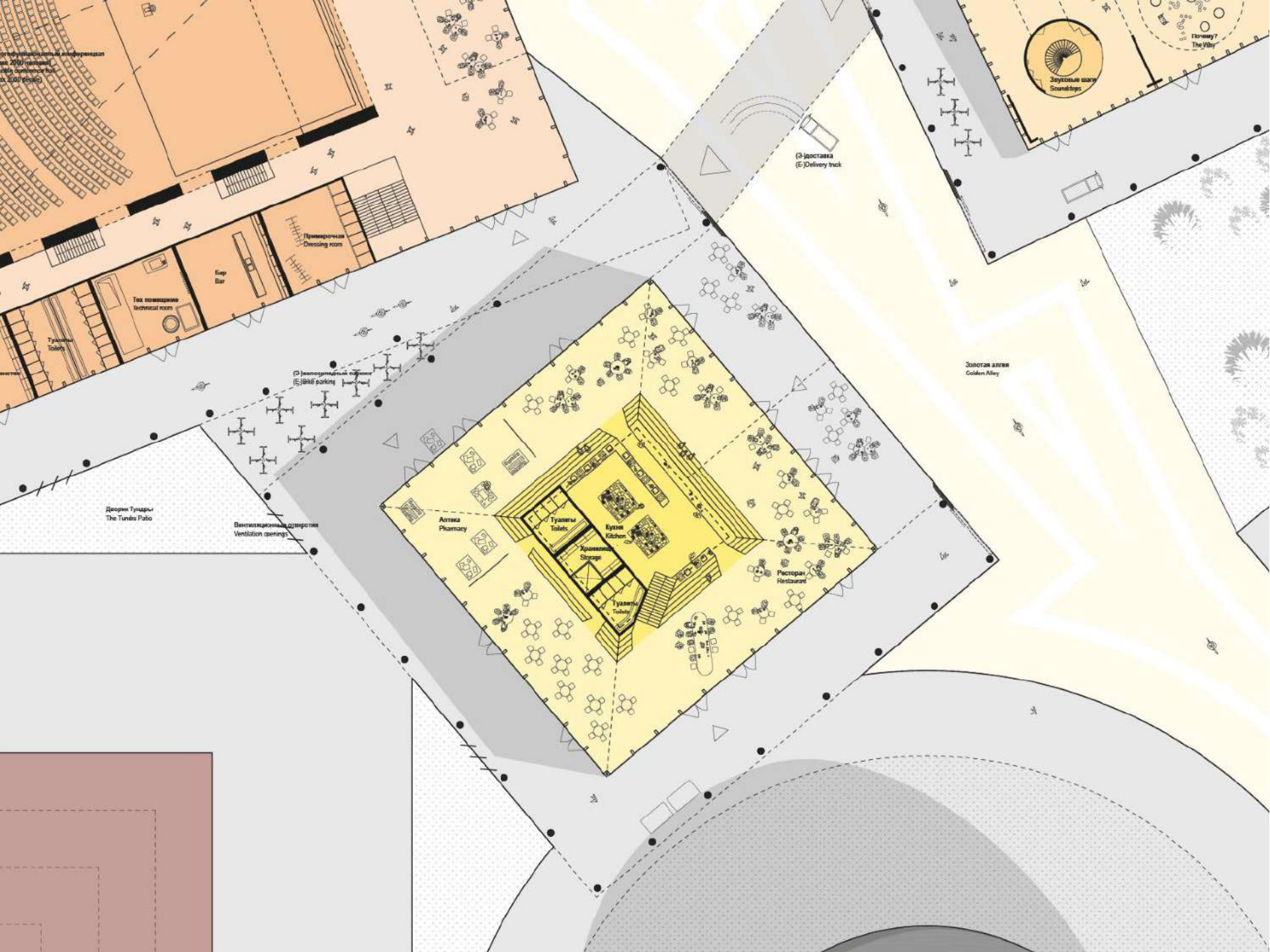

Очистительный пруд
The Cleaning Pond
Конференцзал
Conference hall
Фойе
Foyer
Касса
Shop
Туалеты
Toilets
Кусер
Trash
Хранилище
Storage
Бар (под подиумом)
Bar (below podium)
Сцена
Stage
Закулисье
Backstage
Коридор
Corridor
Тех помещение
Technical room
Бар
Bar
Гримерная
Dressing room
Офисное пространство
Office space
Хранилище
Storage
Зеленая плаза
The Green Plaza

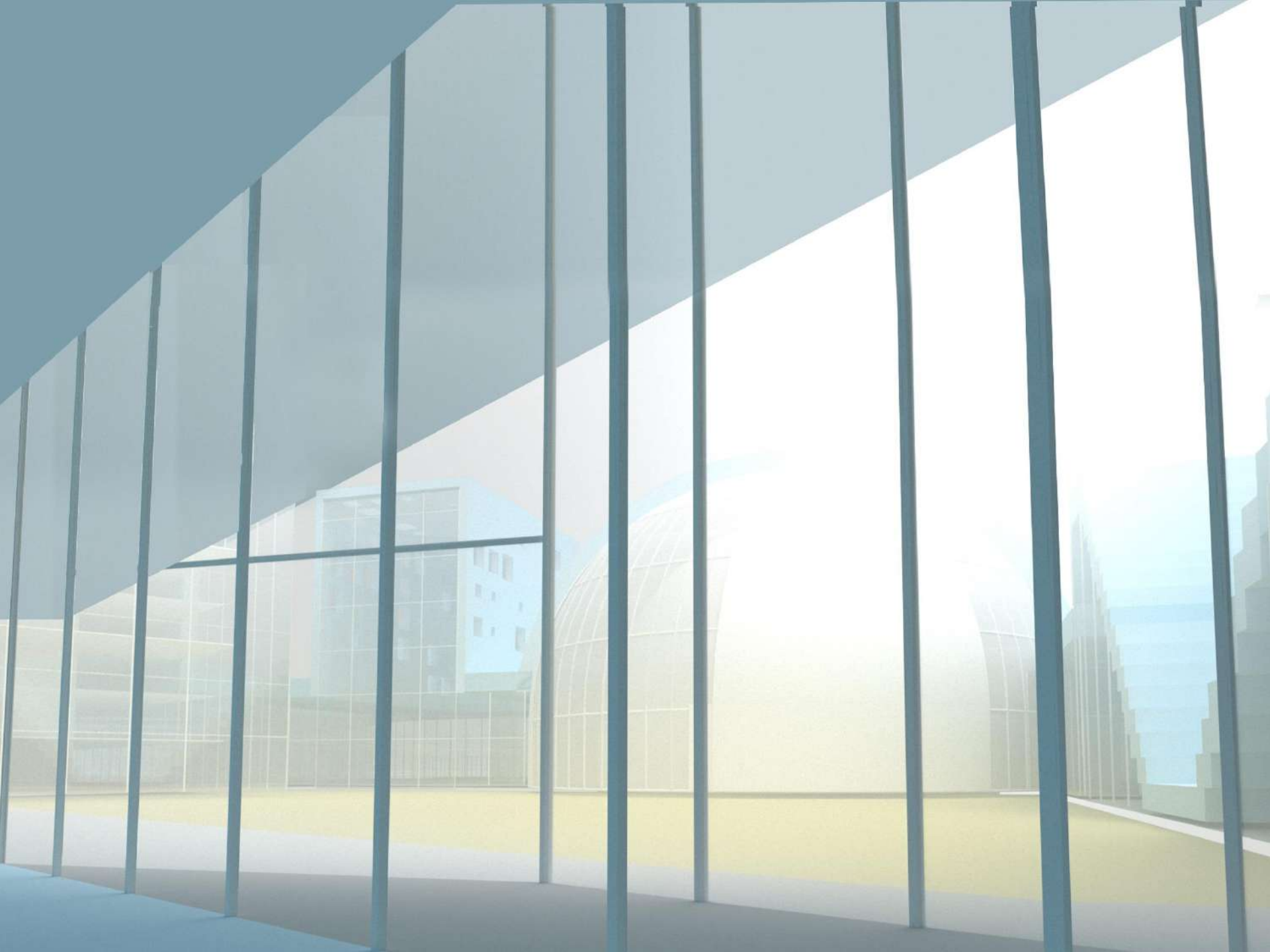
Золотая аллея
Golden Alley
Вентиляционные отверстия
Ventilation openings
Дворик Тундры
The Tundra Patio
Инфо-стенд
Info stand
Фойе
Foyer
Инфо-стенд
Info stand
Центр культуры и креативности
Centre for Culture and Creativity
Лекционные холлы и классы
Lecture halls and classrooms
(Э-)велосипедный паркинг
(E-)bike parking

Дымоход и Чудо-бокс
The wonderbox and chimney

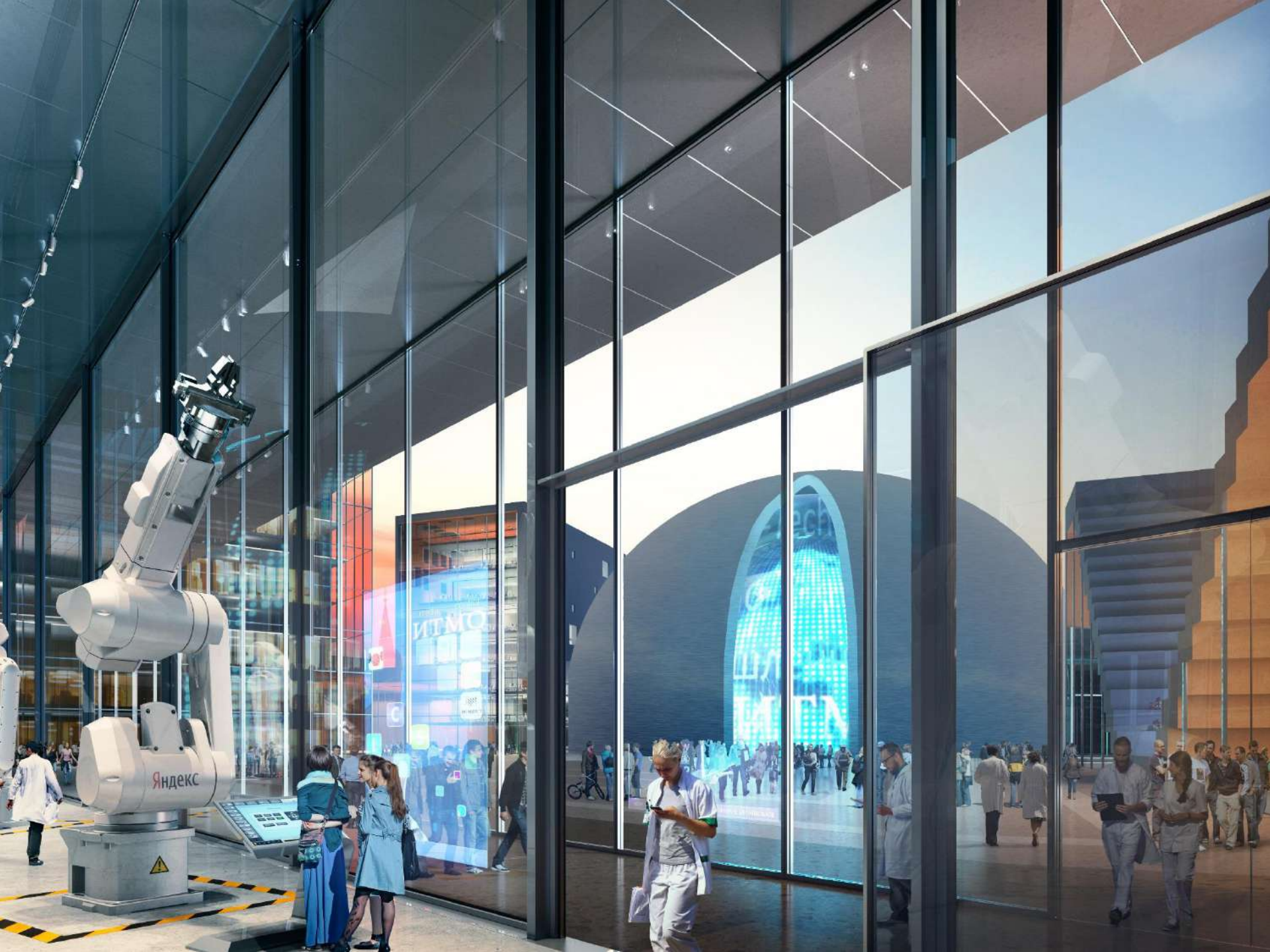


Площадь ИТМО
ITMO Square
Музей (и выставочные пространства)
Museum (and exhibition facilities)
Конференцзал
Conference hall
Туалеты
Toilets
Ходячий робот
Walking robot
Лаундж
Lounge
Фойе
Foyer
Пирог
The cake
Вращающаяся билетная касса
Turning tickoffice
Колесо
The Wheel
Купол
The dome
Почему?
The Why
Звуковые шаги
Soundsteps
(Э-)доставка
(E-)Delivery truck
Лесной сад
The Forest Garden

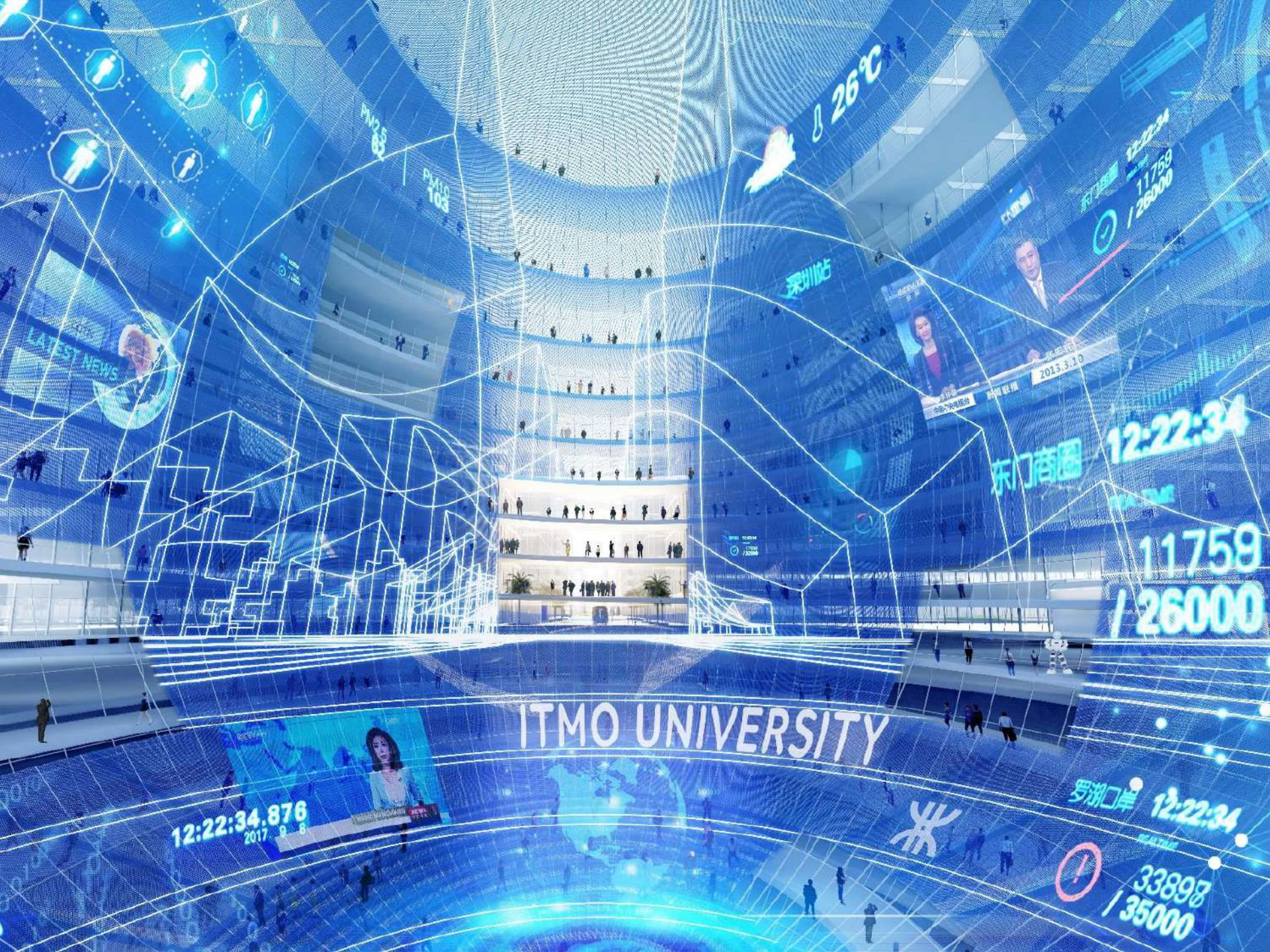

Примерочная
Dressing room
Бар
Bar
Тех помещение
Technical room
Туалеты
Toilets
(3-)доставка
(E-)Delivery truck
Звуковые шаги
Soundsteps
Почему?
The Why
Золотая аллея
Golden Alley
Дворик Тундры
The Tundra Patio
Вентиляционные отверстия
Ventilation openings
Аптека
Pharmacy
Туалеты
Toilets
Кухня
Kitchen
Хранилище
Storage
Туалеты
Toilets
Ресторан
Restaurant



Яндекс


Яндекс

Яндекс


ITMO UNIVERSITY
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LATEST NEWS
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ITMO UNIVERSITY

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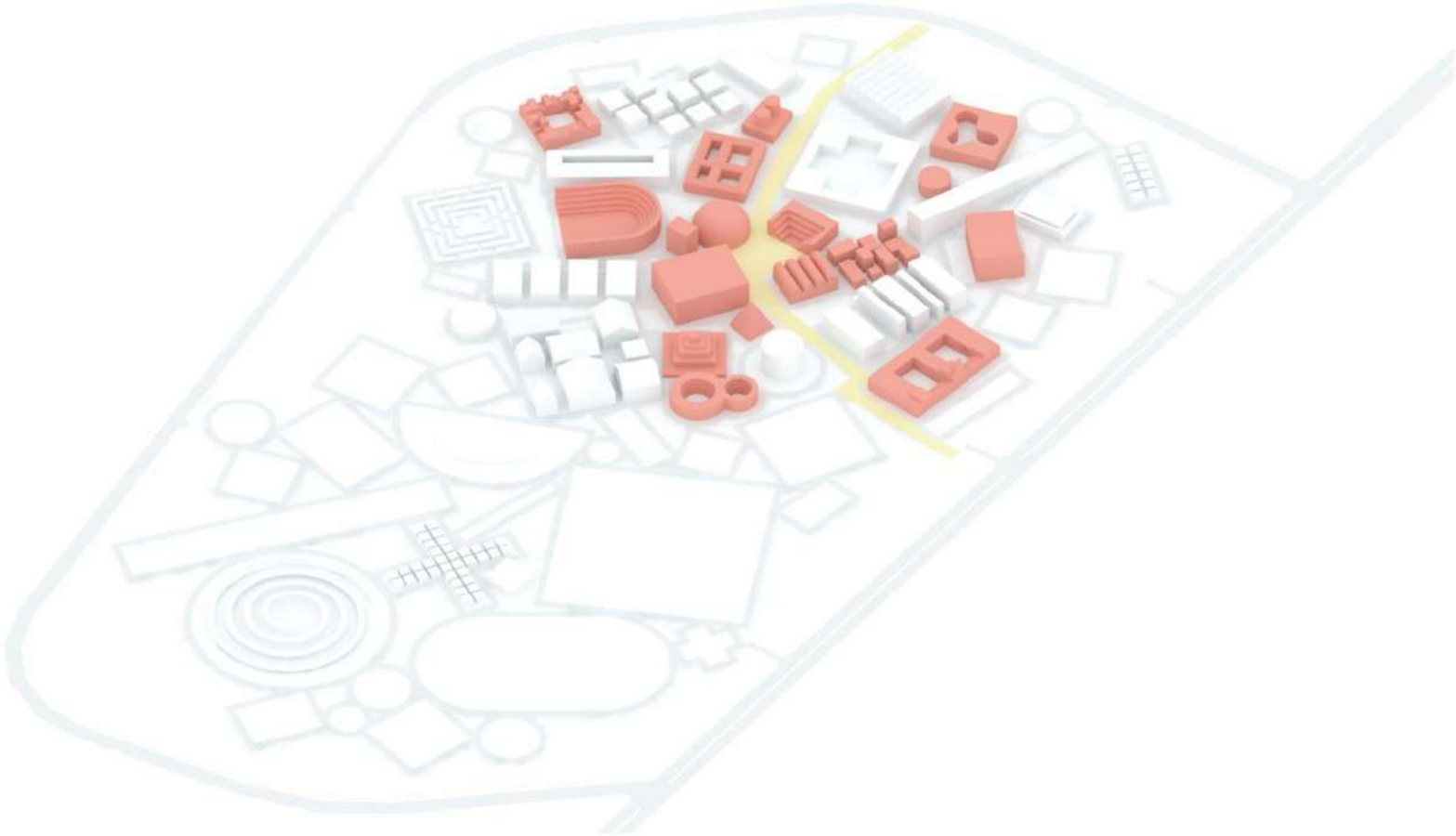
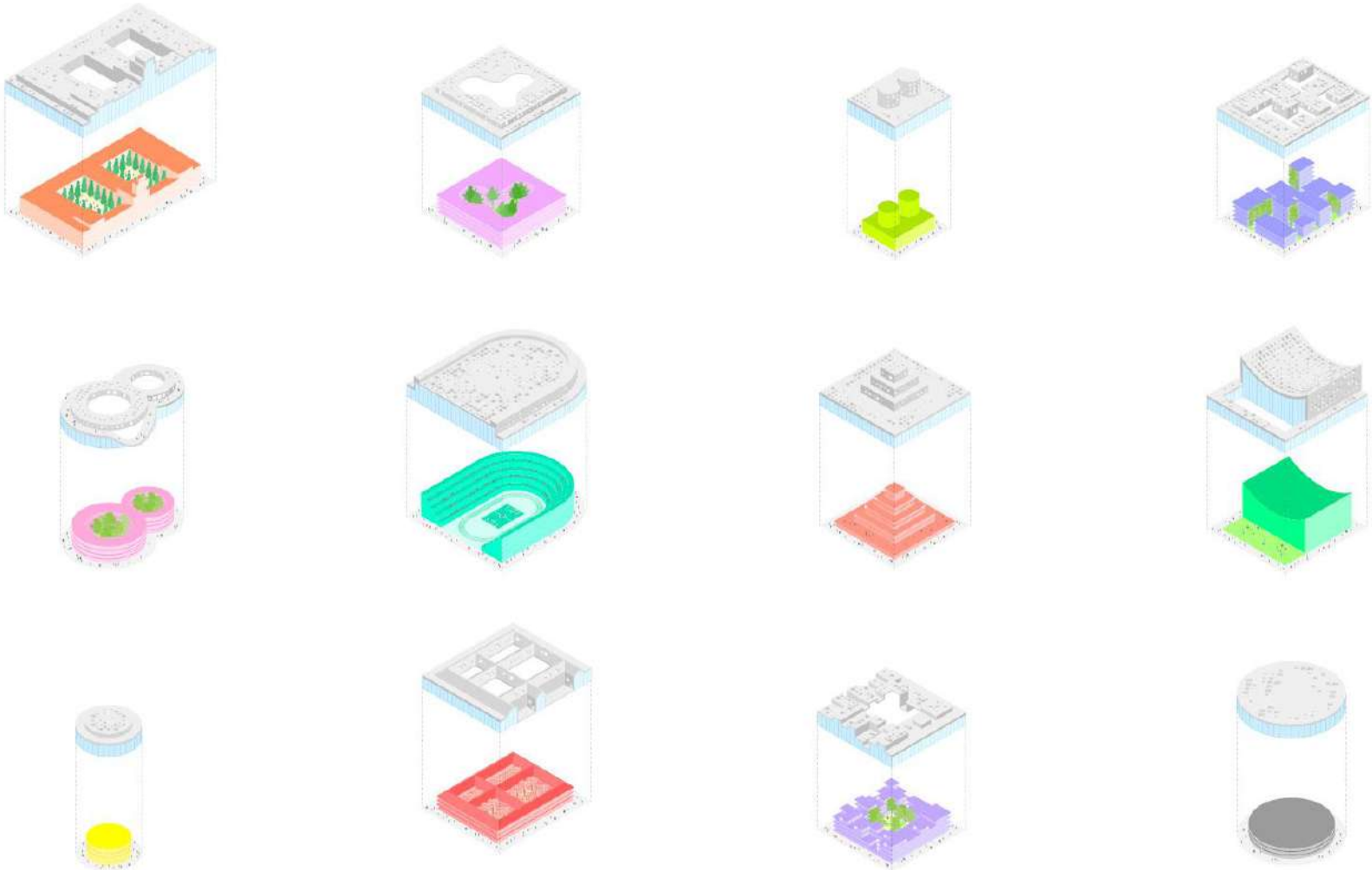
LATEST NEWS

Образовательная зона
the educational zone

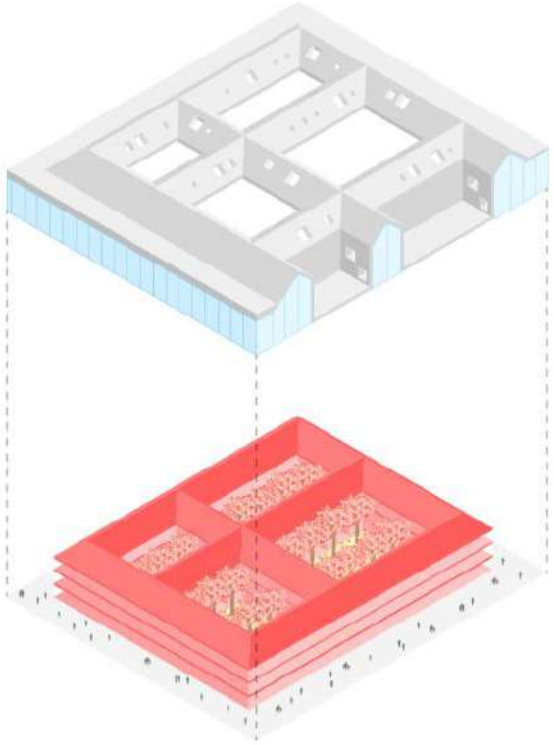
Обзор образовательных зданий
Overview educational buildings



Каталог типологий
Typologies overview

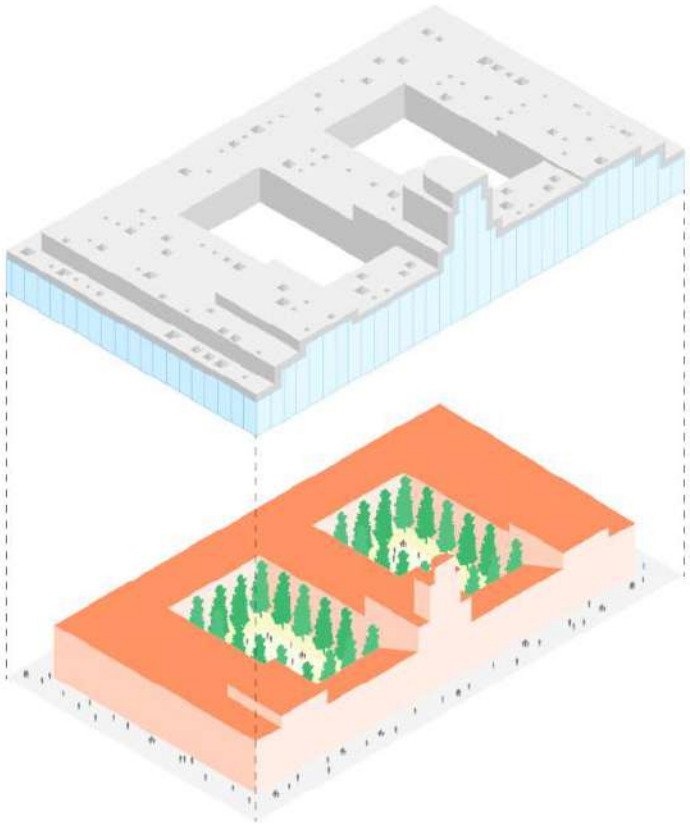


Петербургский блок – центр фотоники и квантовых технологий
St Petersburg block - Centre for photonic and quantum technologies



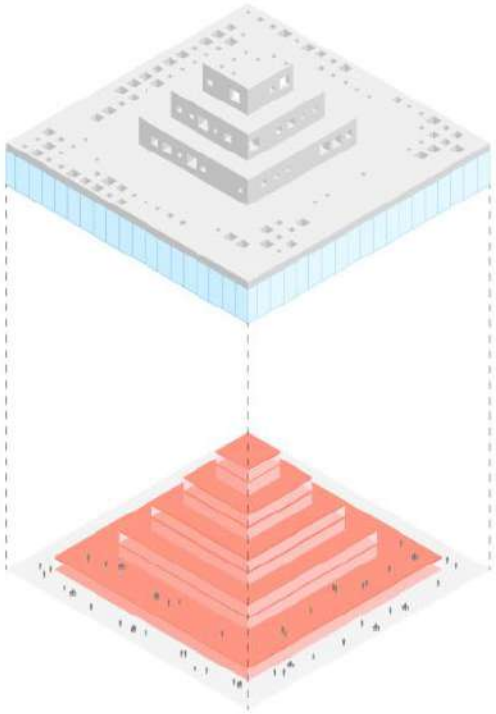
Место где мы исследуем технологии фотоники
The place where we research photonic technologies

Русский дворец – центр информатики
The Russian palace - Centre for information technologies



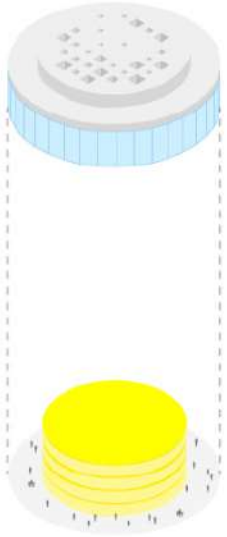
Место где мы изучаем информатику
The place where we learn information technologies

Пирамида – центр наук о здоровье и жизни
The pyramid - Centre for health and life sciences



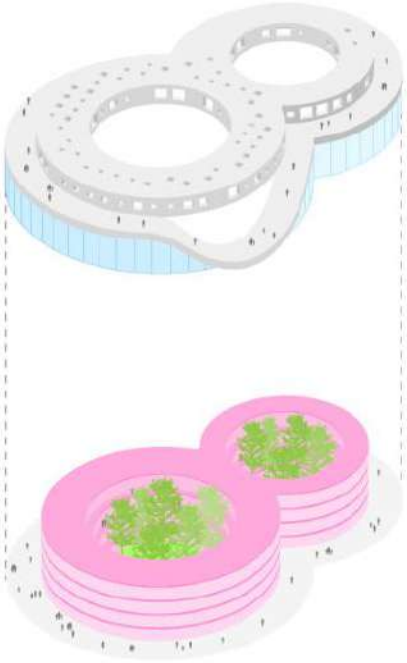
Место где мы изучаем науки о здоровье и жизни
The place where we study health and life sciences

Комната хранения данных
The server building - Data processing centre



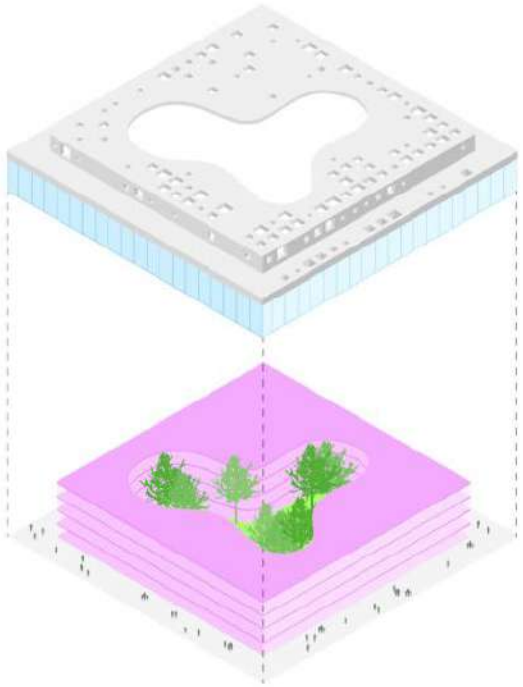
Место где мы перерабатываем и храним данные
The place where we process and store data

Жилой блок «Матрешка» - общежитие
The «Matrjoshka» housing - Student dormitory



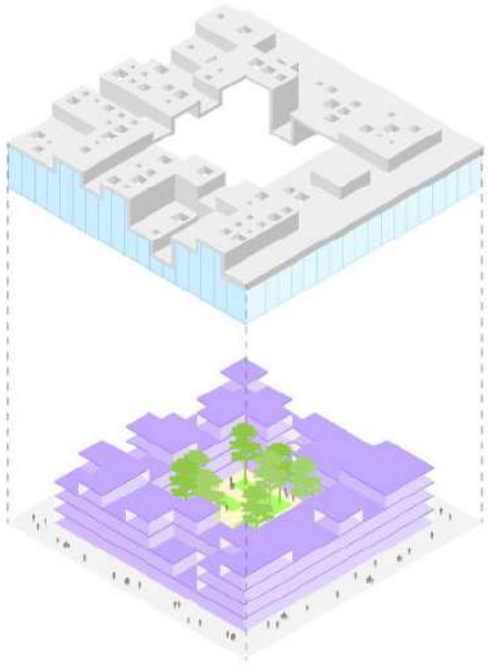
Место где мы живем и учимся вместе
The place where we live and study together

Студенческий блок - общежитие
The student block - Student dormitory



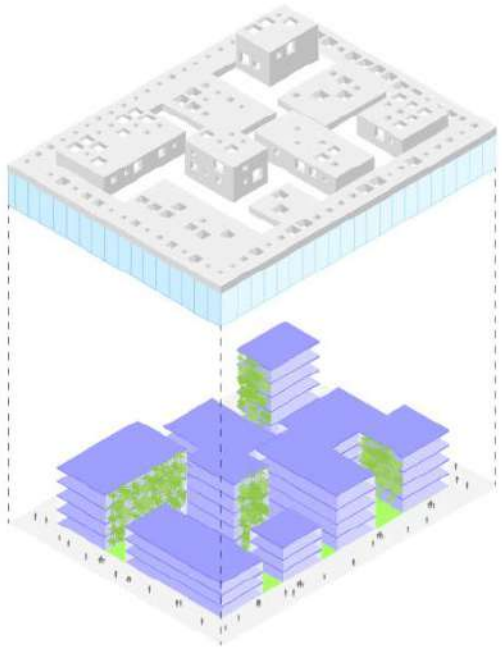
Место где мы организовывем летний пикник
The place where we organize a summer bbq

Жилая терасса - общежитие
The terrace housing - Student dormitory



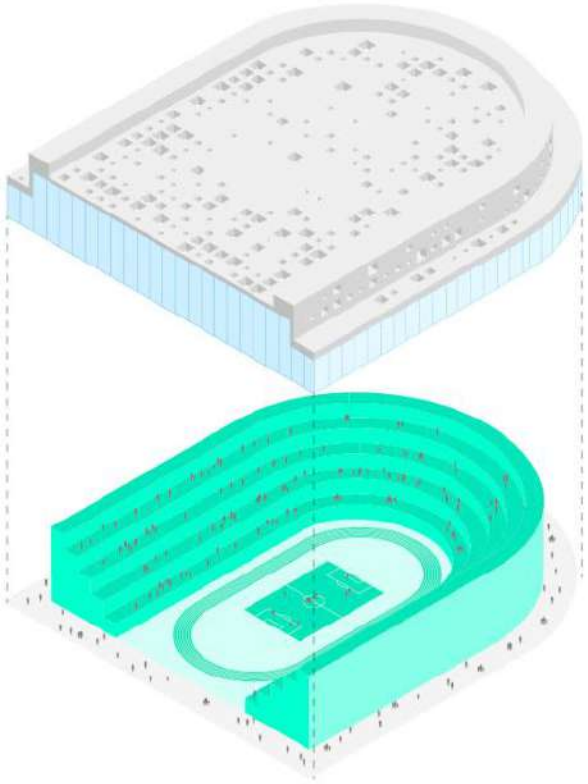
Место где мы наслаждаемся белыми ночами
The place where we enjoy the white nights

Студенческая деревня - общежитие
The student village - Student dormitory



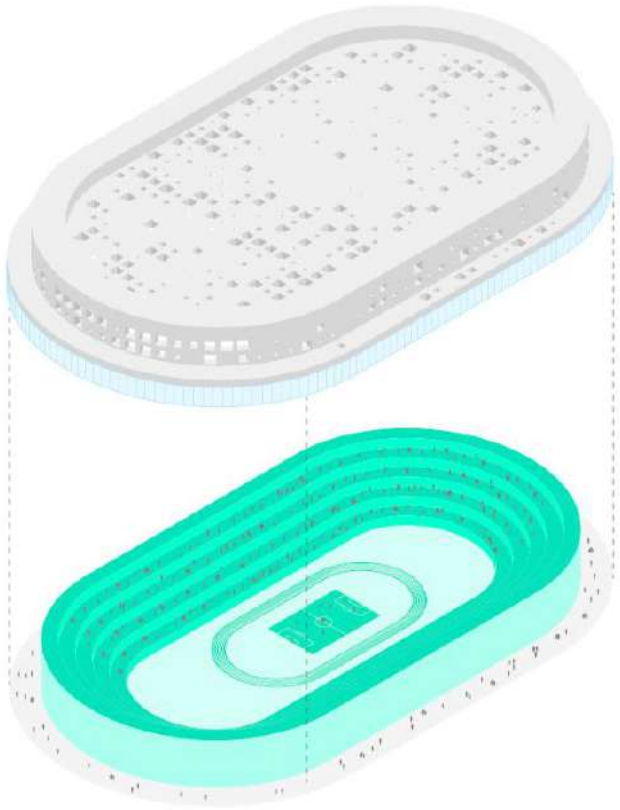
Место где мы готовим вместе
The place where we cook together

Стадион – спорткомплекс (хоккей)
The stadium - Sport centre (indoor ice hockey rink)



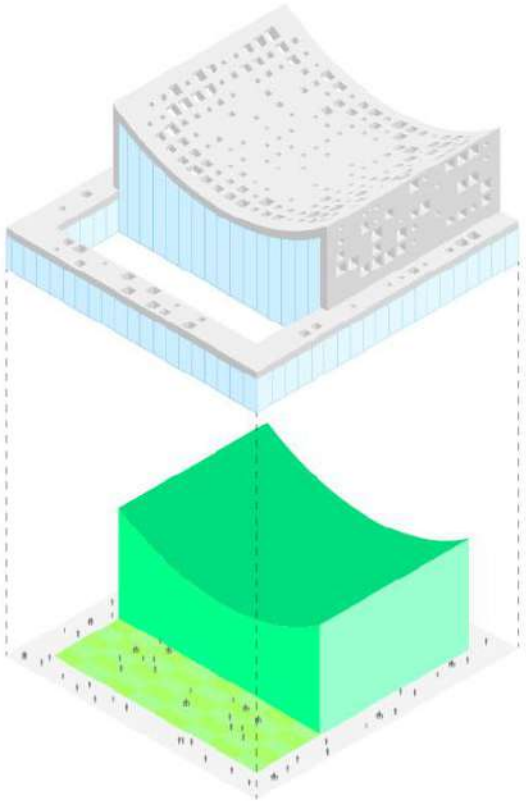
Место где мы играем в хокей
The place where we play ice hockey matches

Стадион - спорткомплекс (хоккей)
The stadium - Sport centre (indoor ice hockey rink)



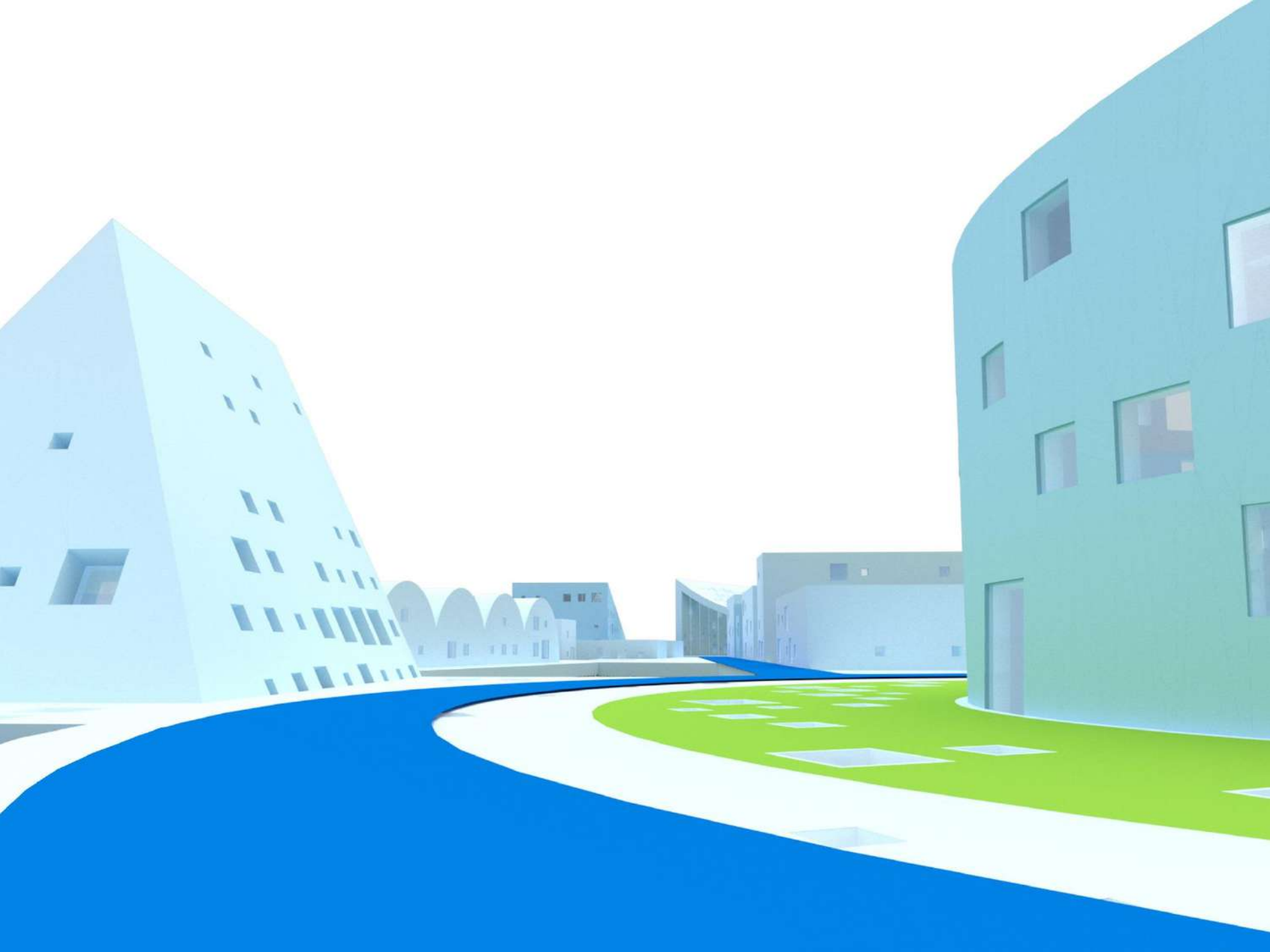
Место где мы играем в хокей
The place where we play ice hockey matches

Полутруба - спорткомплекс (бассейн)
The halfpipe - Sport centre (indoor swimming pool)



Место где мы занимаемся водными видами спорта
The place where we exercise in swimming pool

Планировка Образовательной зоны
Overview education zone

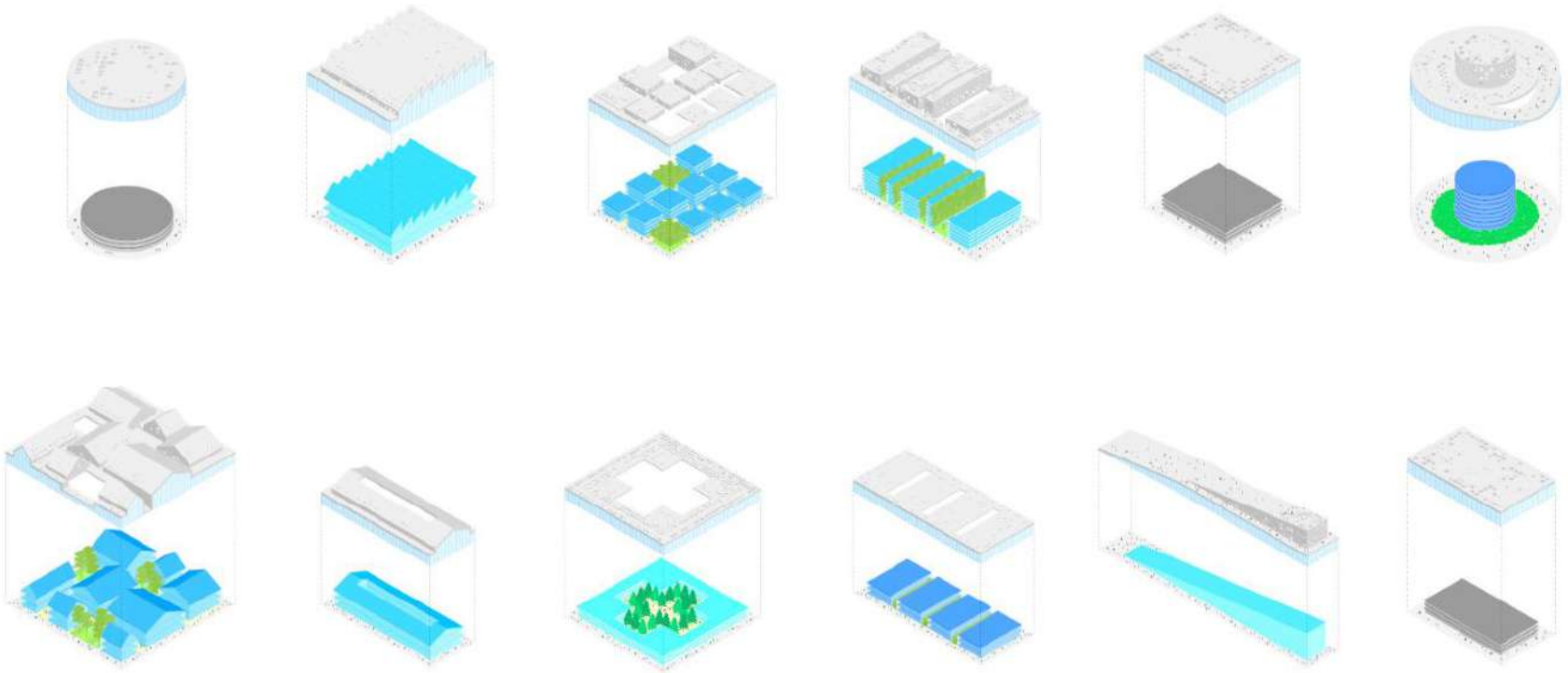


Промышленная зона

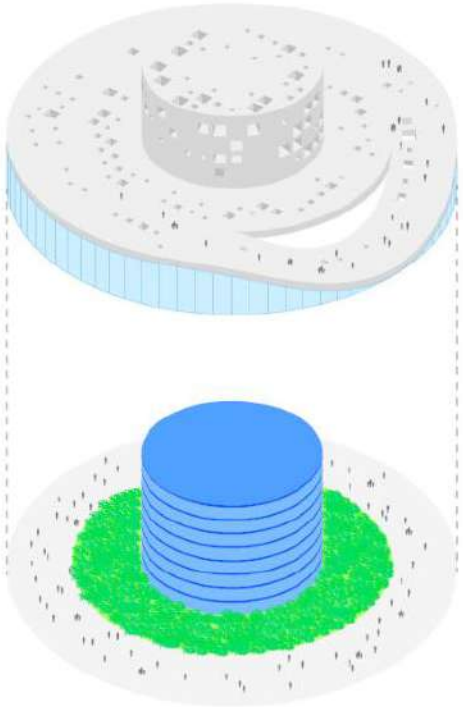
Advanced production zone

Обзор зоны производства
Overview advanced production buildings

Каталог типологий
Typologies overview

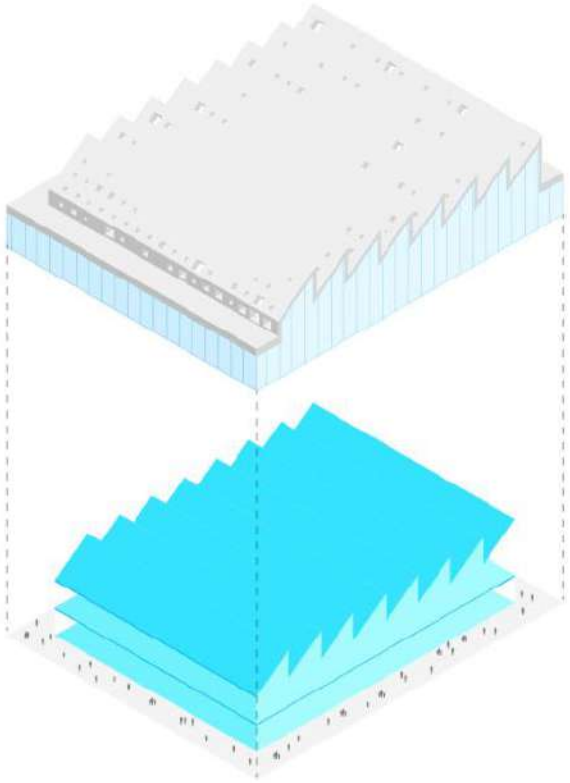


Бизнес инкубатор
Business incubator



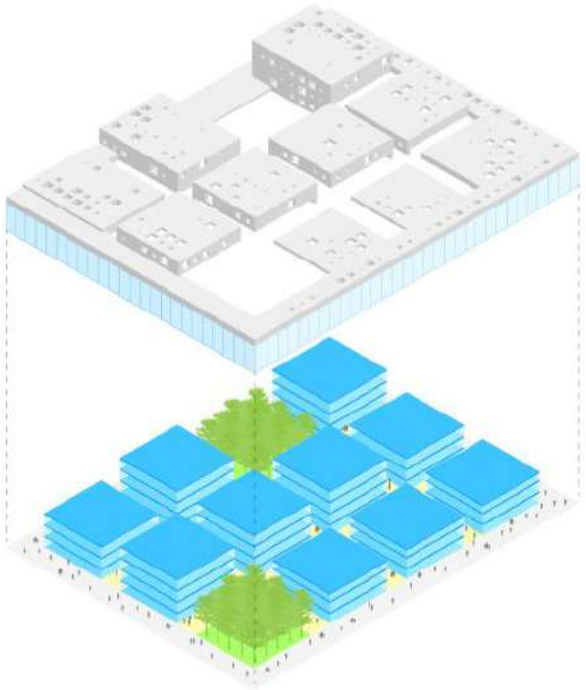
Место где мы обмениваемся знаниями
The place where we exchange knowledge

Завод – Национальный центр урбанистики
The factory - The national urban science centre



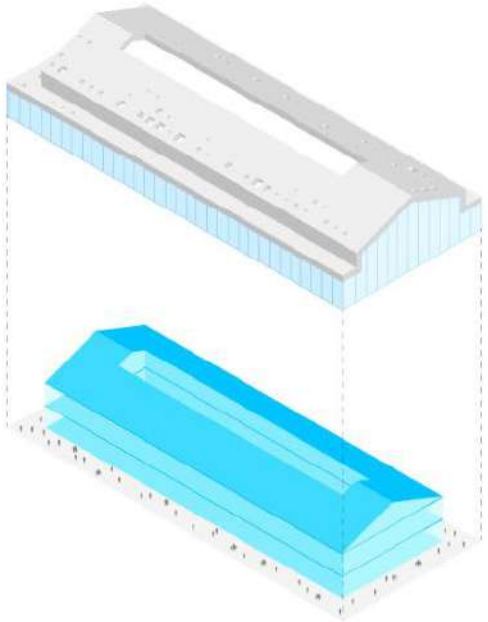
Место где мы показываем национальные инновации
The place where we show national innovations

Технологический кампус – Производственная зона
The tech campus - Advanced production zone



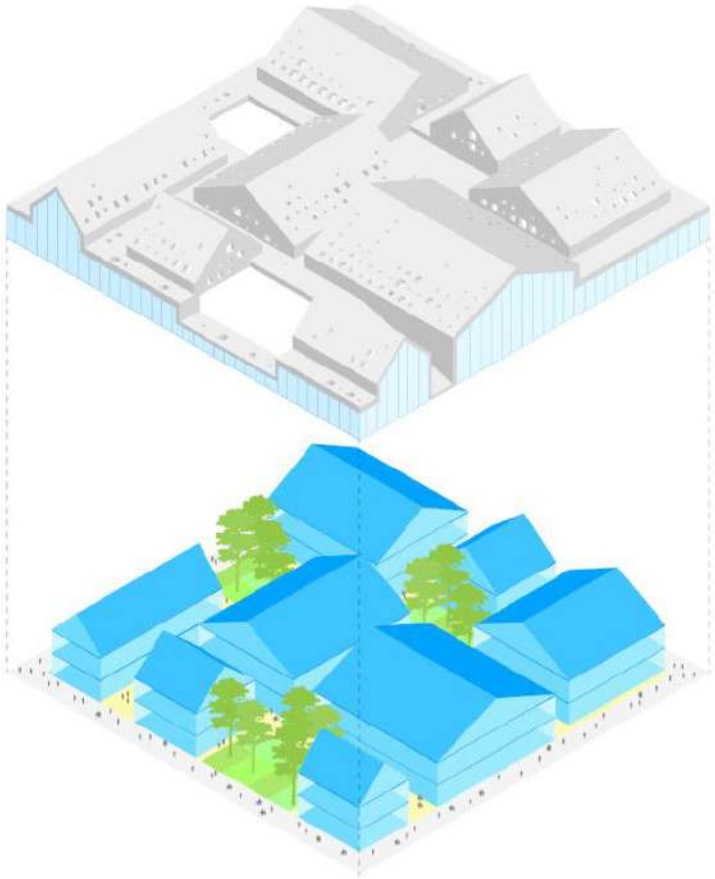
Место где мы арендуем офисное пространство
The place where we rent an office space

Производственный цех - Производственная зона
Production warehouse - Advanced production zone



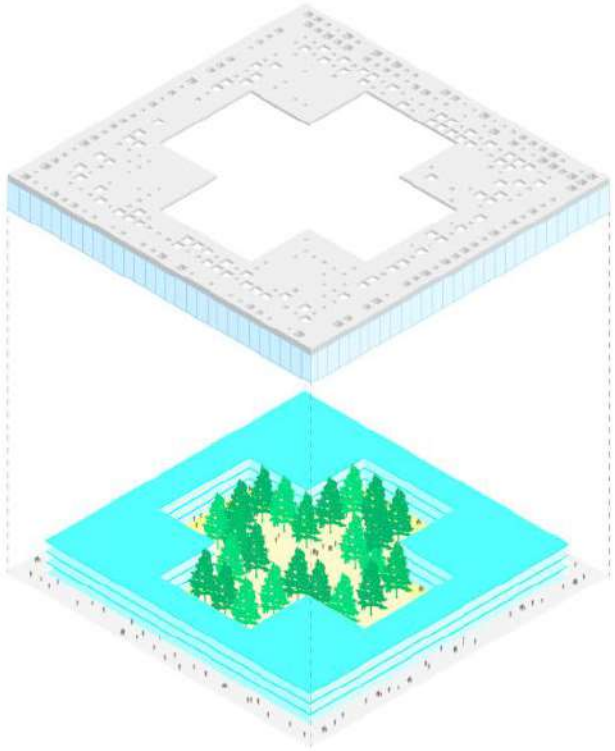
Место где мы производим новые продукты
The place where we manufacture new products

Деревня инноваций - Производственная зона
Innovation village - Advanced production zone



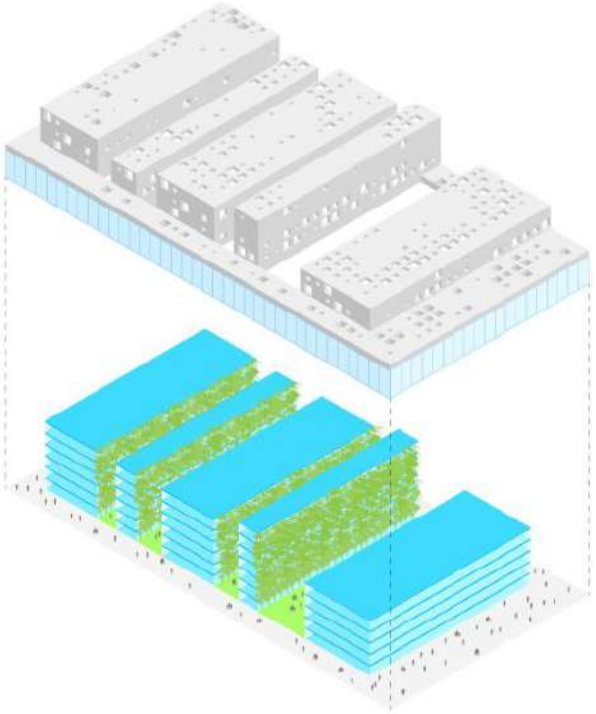
Место где мы сотрудничаем со студентами
The place where we collaborate with students

Лаборатория «Крест» - Производственная зона
The cross lab - Advanced production zone



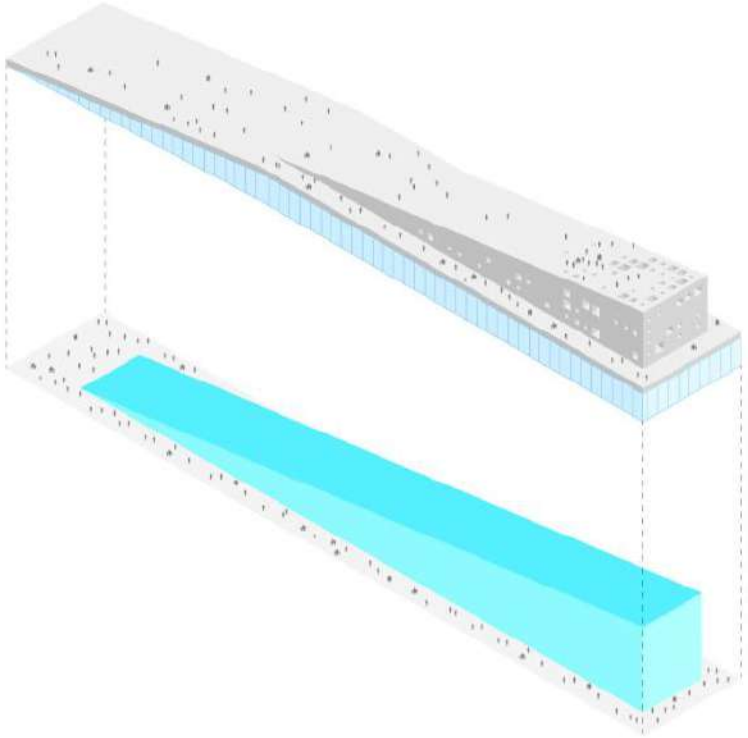
Место где мы встречаемся во дворе
The place where we meet in the courtyard

Лаборатория «Штрих-код» - Производственная зона
The barcode lab - Advanced production zone



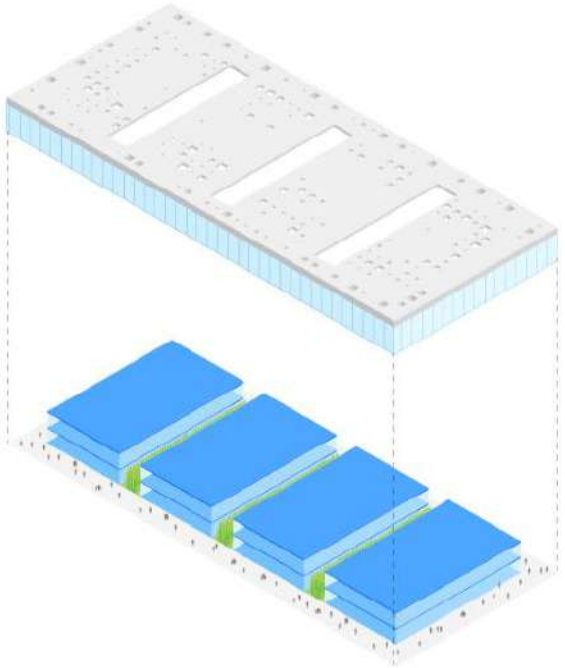
Место где мы исследуем информацию
The place where we research data

Научный склон - Производственная зона
The science ramp - Advanced production zone



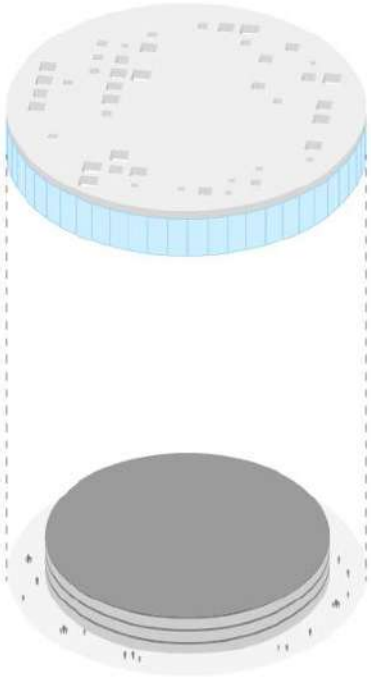
Место где мы веселимся зимой
The place where we have fun in winter

Лабораторные холлы - Производственная зона
The laboratory halls - Advanced production zone



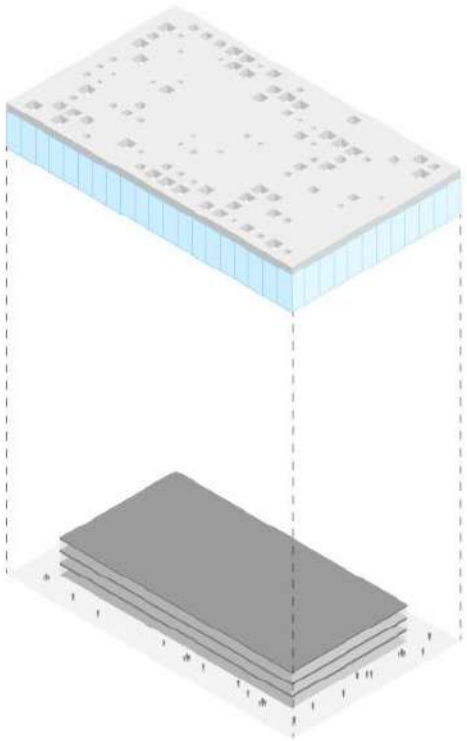
Место где мы тестируем новые технологии
The place where we test new innovations

Паркинг «цилиндр» - паркинг
The parking silo - Parking building



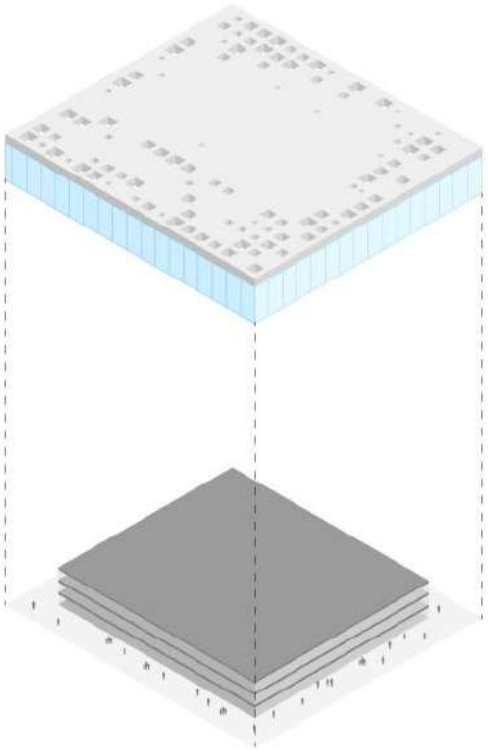
Место где мы оставляем электромобиль
The place where we park our electric car

Паркинг «коробка» - паркинг
The parking box - Parking building



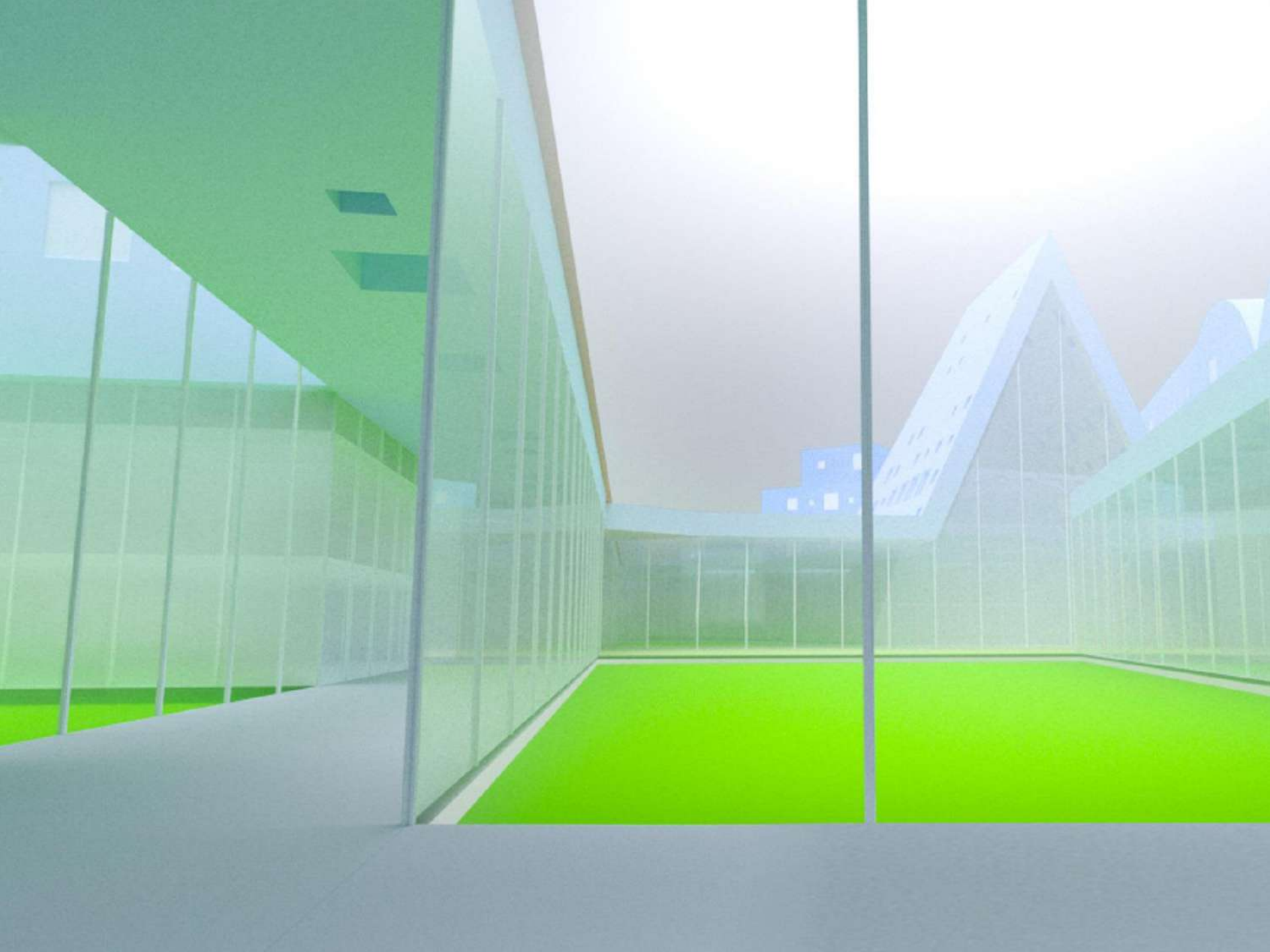
Место где мы оставляем электромобиль
The place where we organize logistics

Паркинг «куб» - паркинг
The parking cube - Parking building



Место где мы оставляем электромобиль
The place where we park our electric car

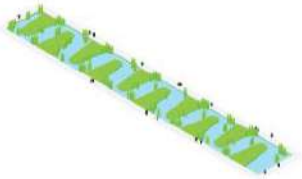
Планировка Промышленной зоны
Overview advanced production zone

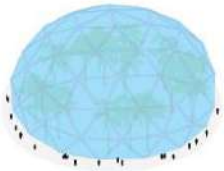


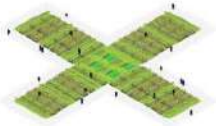
Зеленые и общественные пространства
Green and public space

Обзор зеленых и общественных пространств
Overview green and public spaces

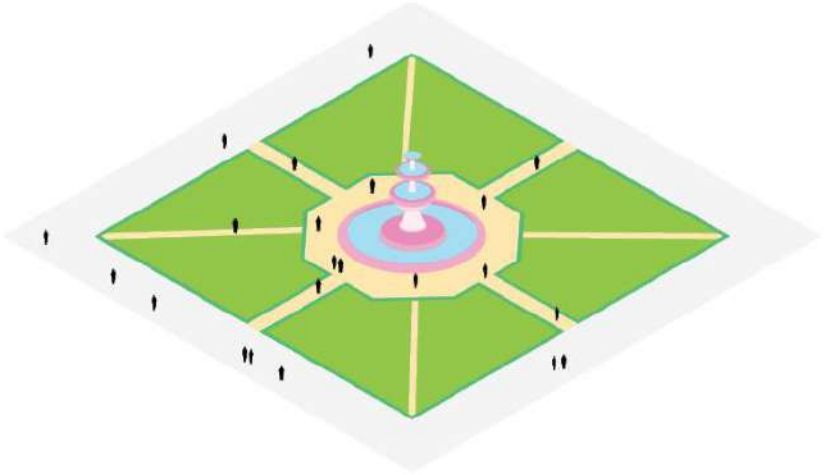
Каталог типологий
Overview typologies





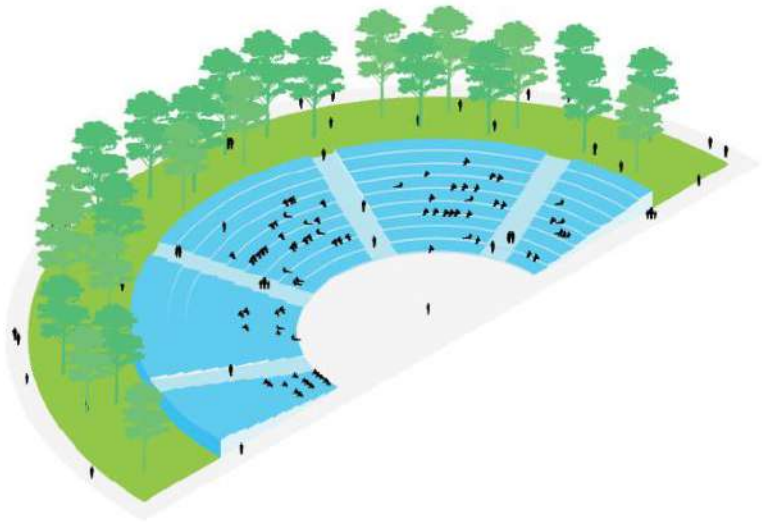


Дворцовый сад
The palace garden



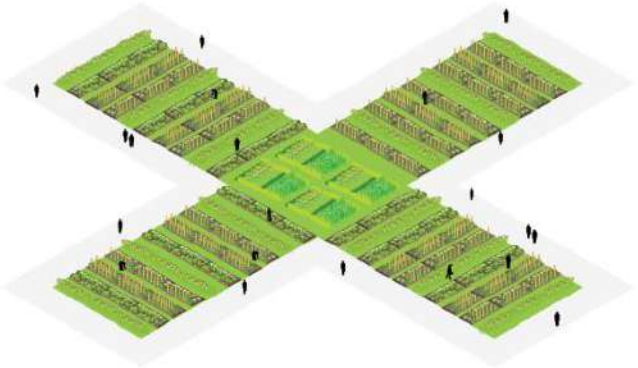
Место где мы испытываем прошлое
The place where we experience the past

Амфитеатр
The amphitheater



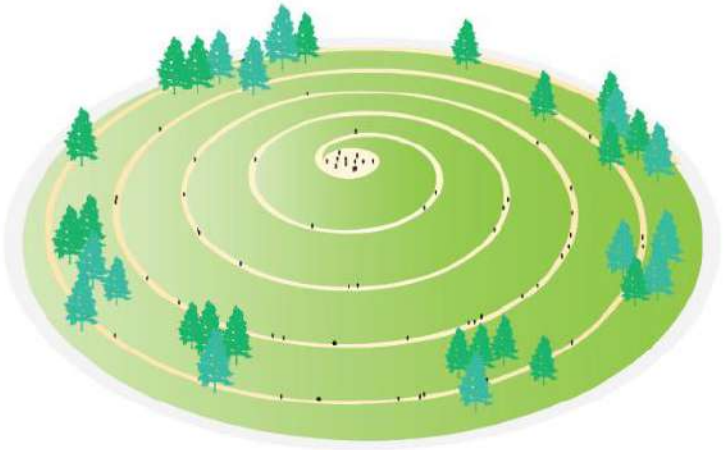
Место где мы смотрим представление
The place where we watch a performance

Научная ферма
The science farm



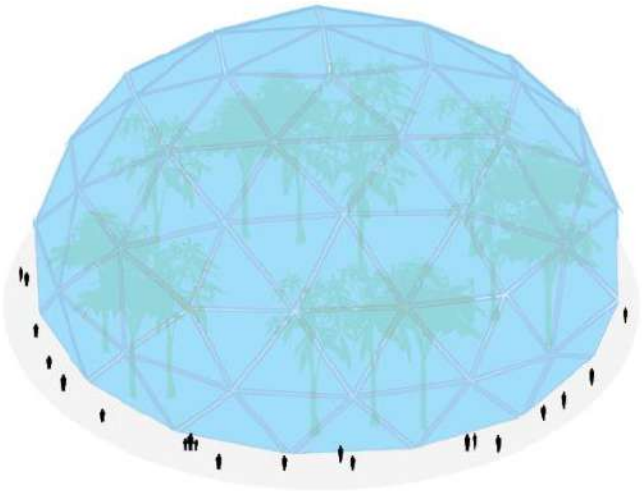
Место где мы выращиваем еду
The place where we produce our local food

Смотровой холм
The viewing hill



Место откуда мы наблюдаем за парком
The place where we overview the park

Зимний сад
The winter garden

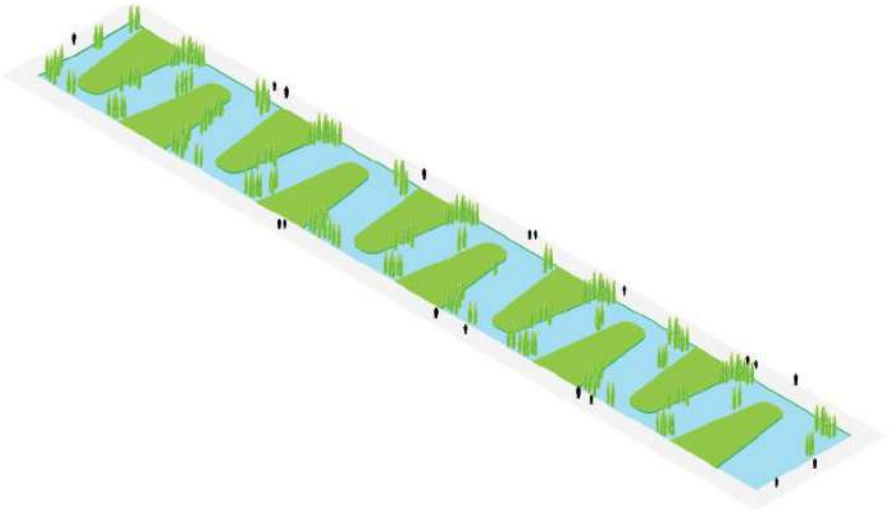


Место где мы открываес для себя новые виды растений
The place where we discover new species

Площадь роботов
The robot square

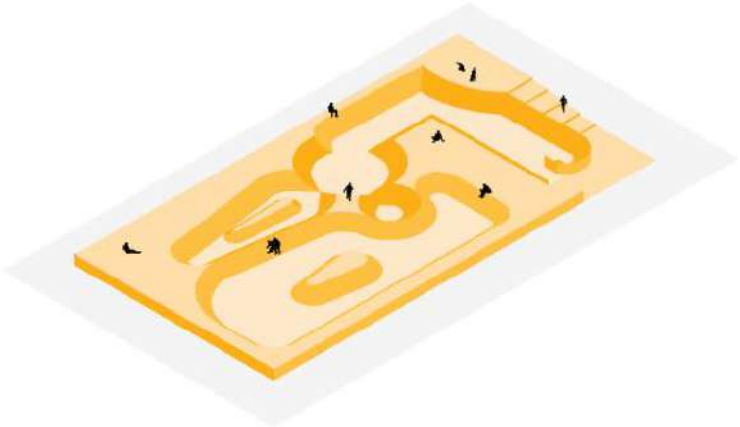
Место где мы тестируем будущее
The place where we test the future

Очистительный пруд
The cleaning pond



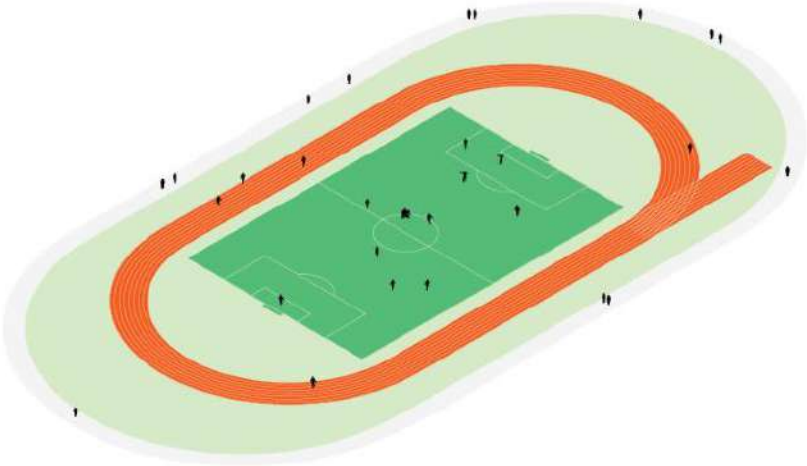
Место где мы очищаем дождевую воду
The place where we purify or gray water

Игровая площадка
The playground



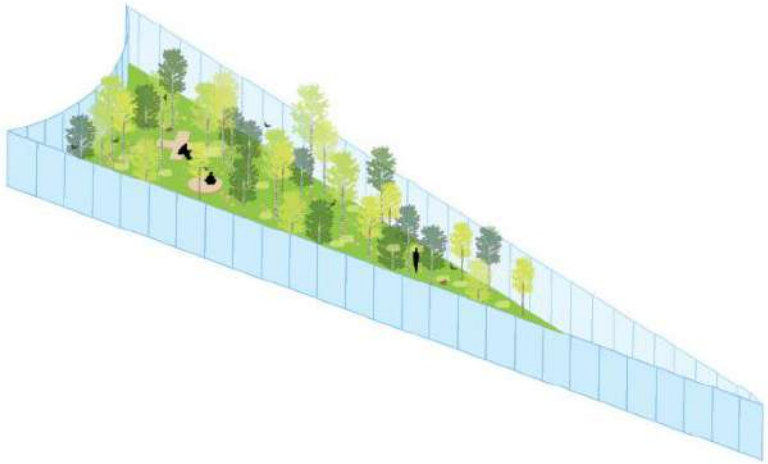
Место где мы гуляем с друзьями
The place where we hang out with friends

Спортивное кольцо
The sports ring



Место где мы катаемся на коньках зимой
The place where we ice-skate in the winter

Лесной двор
The forest patio



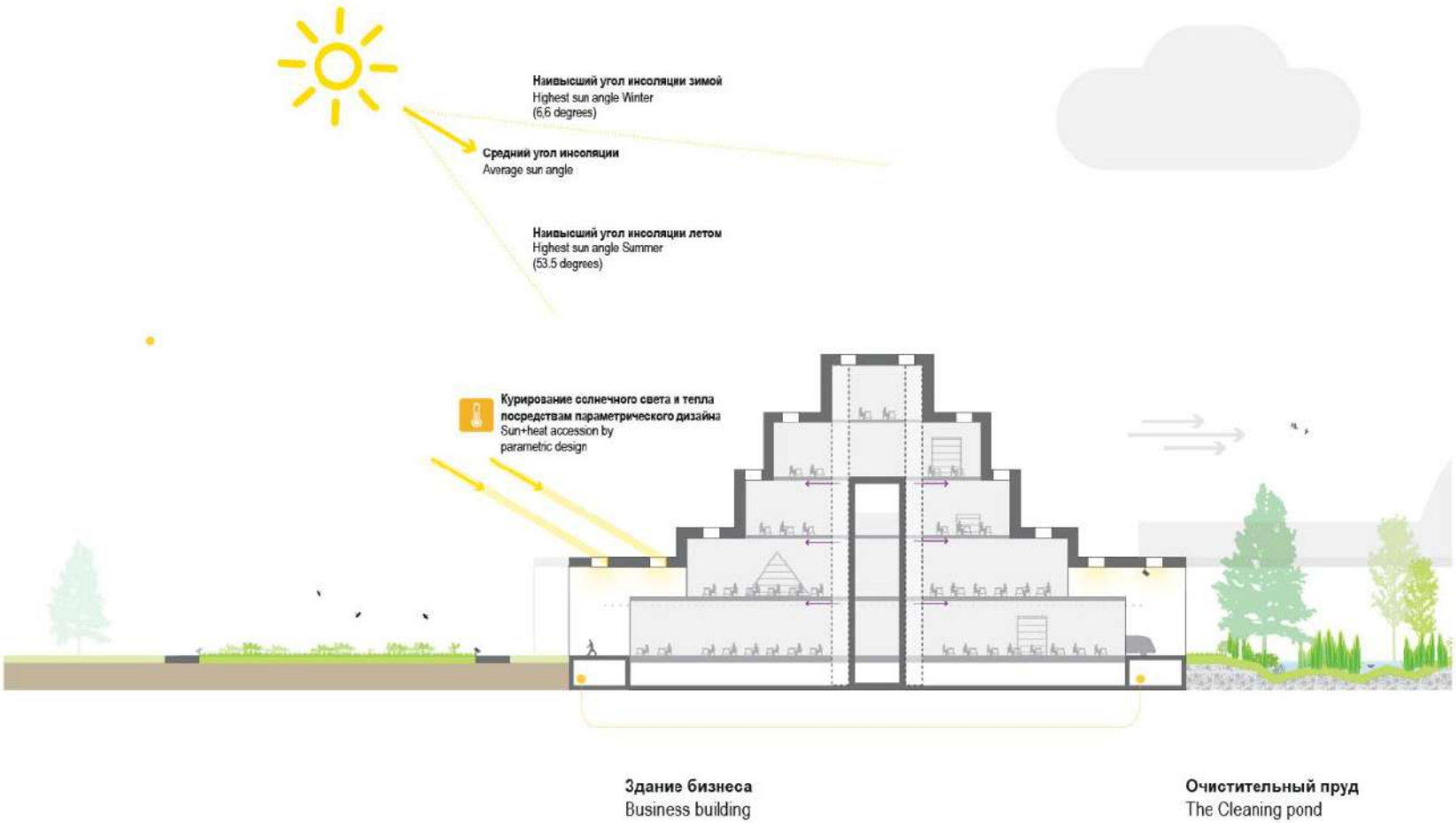
Место где бы расслабляемся после лекции
The place where we relax after a lecture

Планировка Зеленые и Общественные пространства
Plan Green and Public spaces

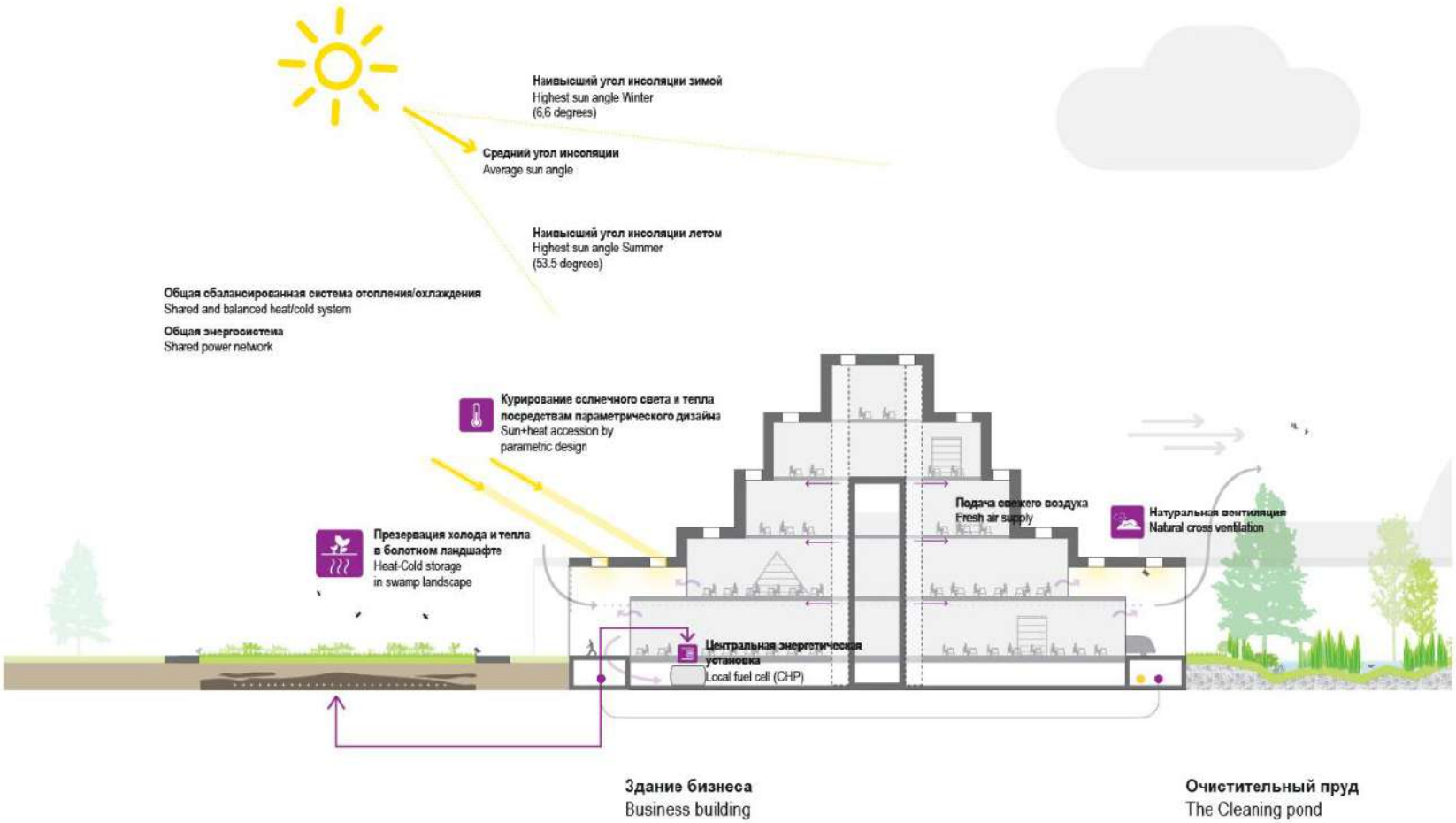
Устойчивый ИТМО
The sustainable ITMO

Обзор системы устойчивости
Overview sustainability system

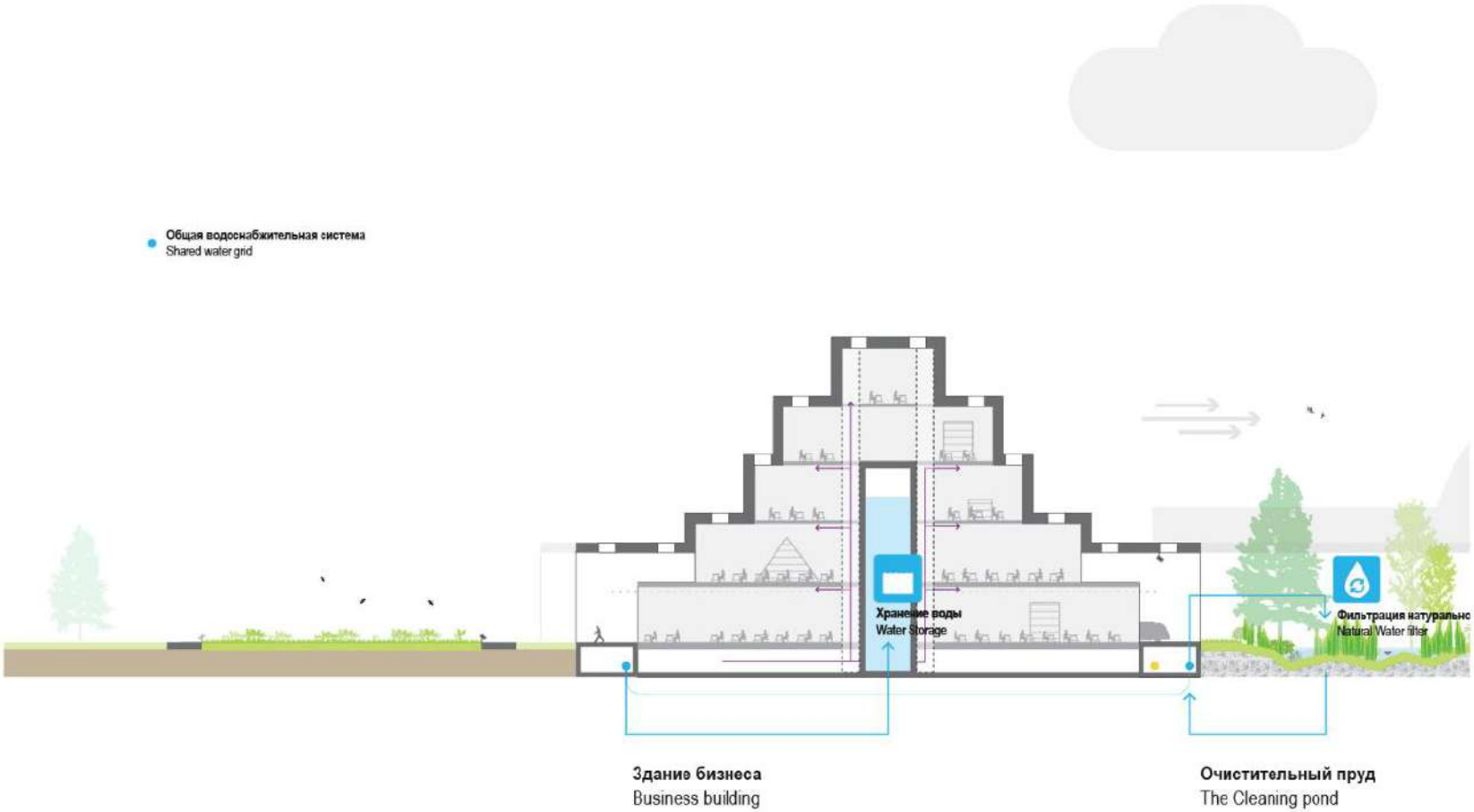
Стратегия устойчивости - энергия
Sustainability strategy - energy



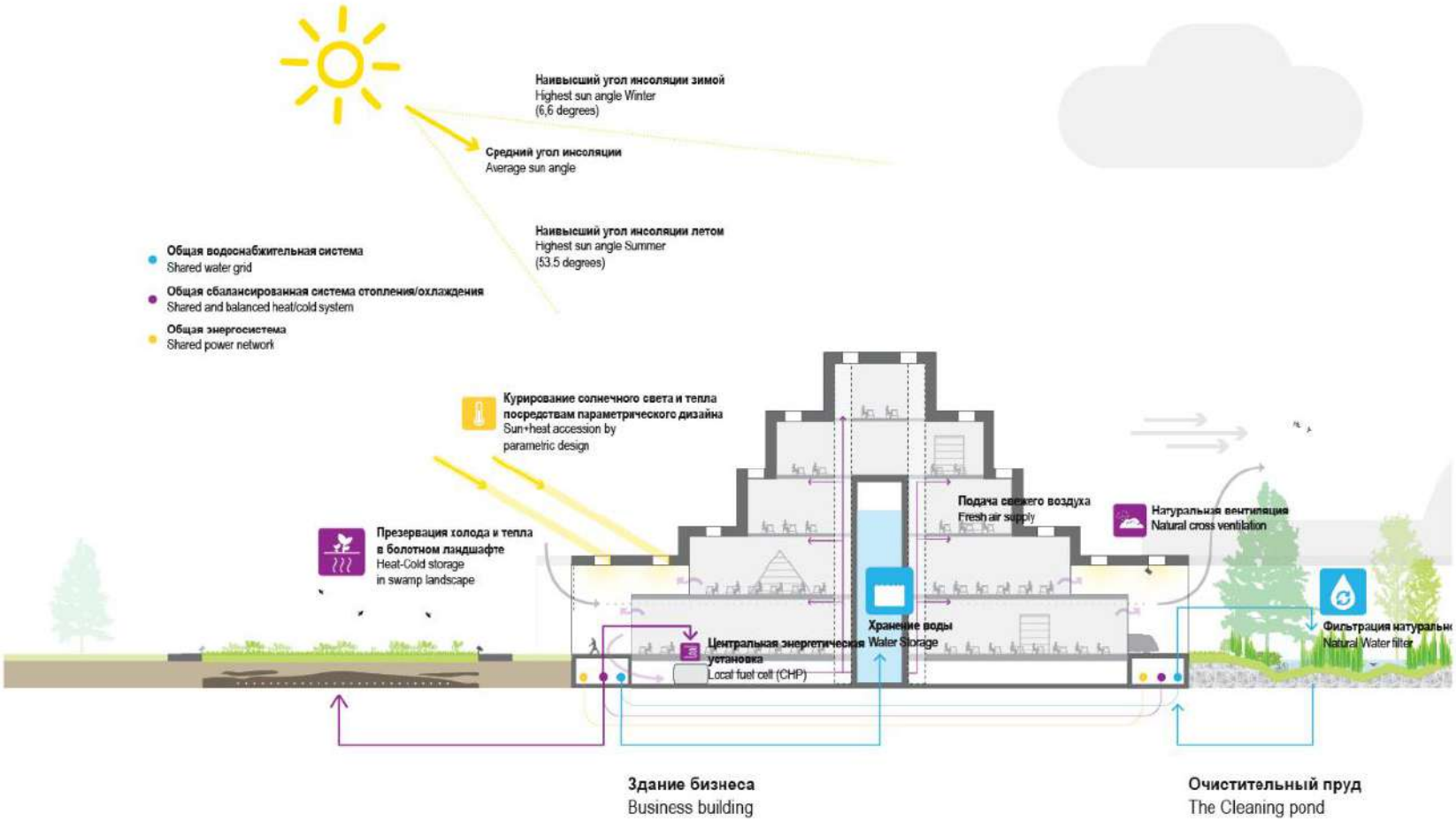
Стратегия устойчивости - термальная
Sustainability strategy - thermal



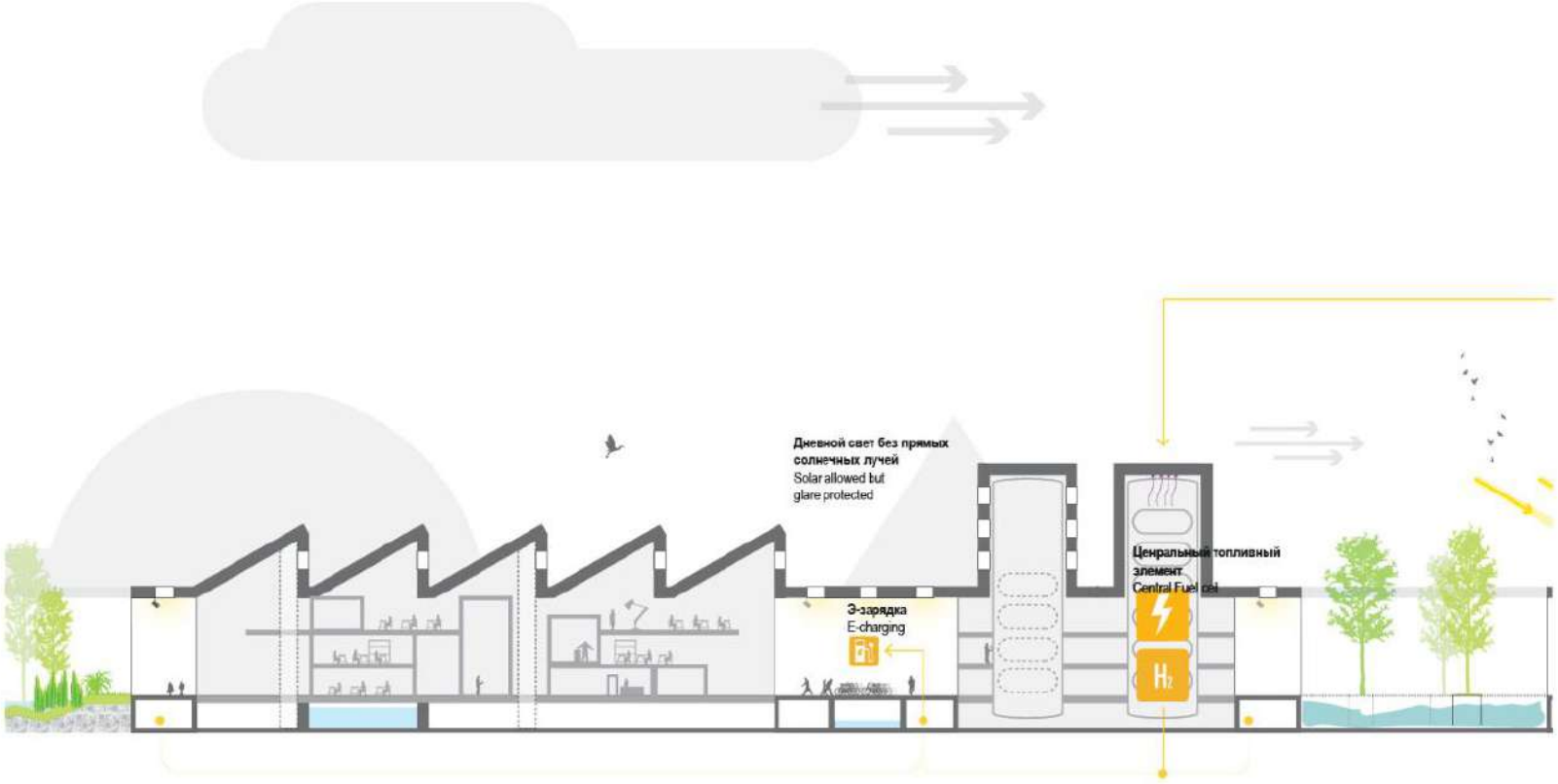
Стратегия устойчивости - вода
Sustainability strategy - water



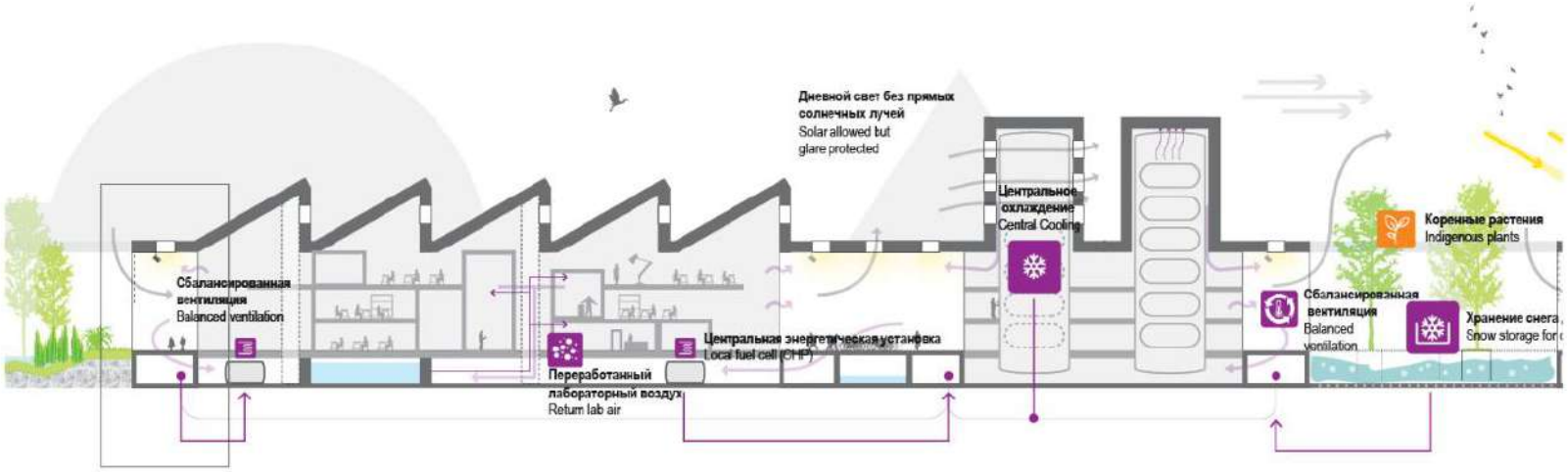
Стратегия устойчивости
Sustainability strategy



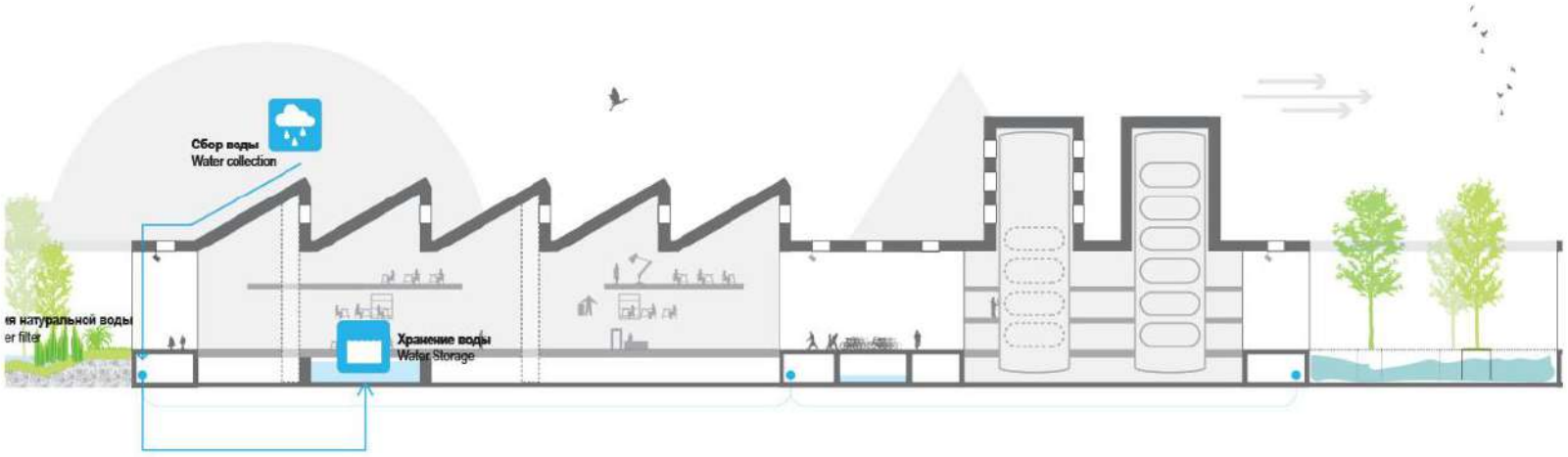
Стратегия устойчивости - энергия
Sustainability strategy - energy



Стратегия устойчивости - термальная
Sustainability strategy - thermal



Стратегия устойчивости - вода
Sustainability strategy - water



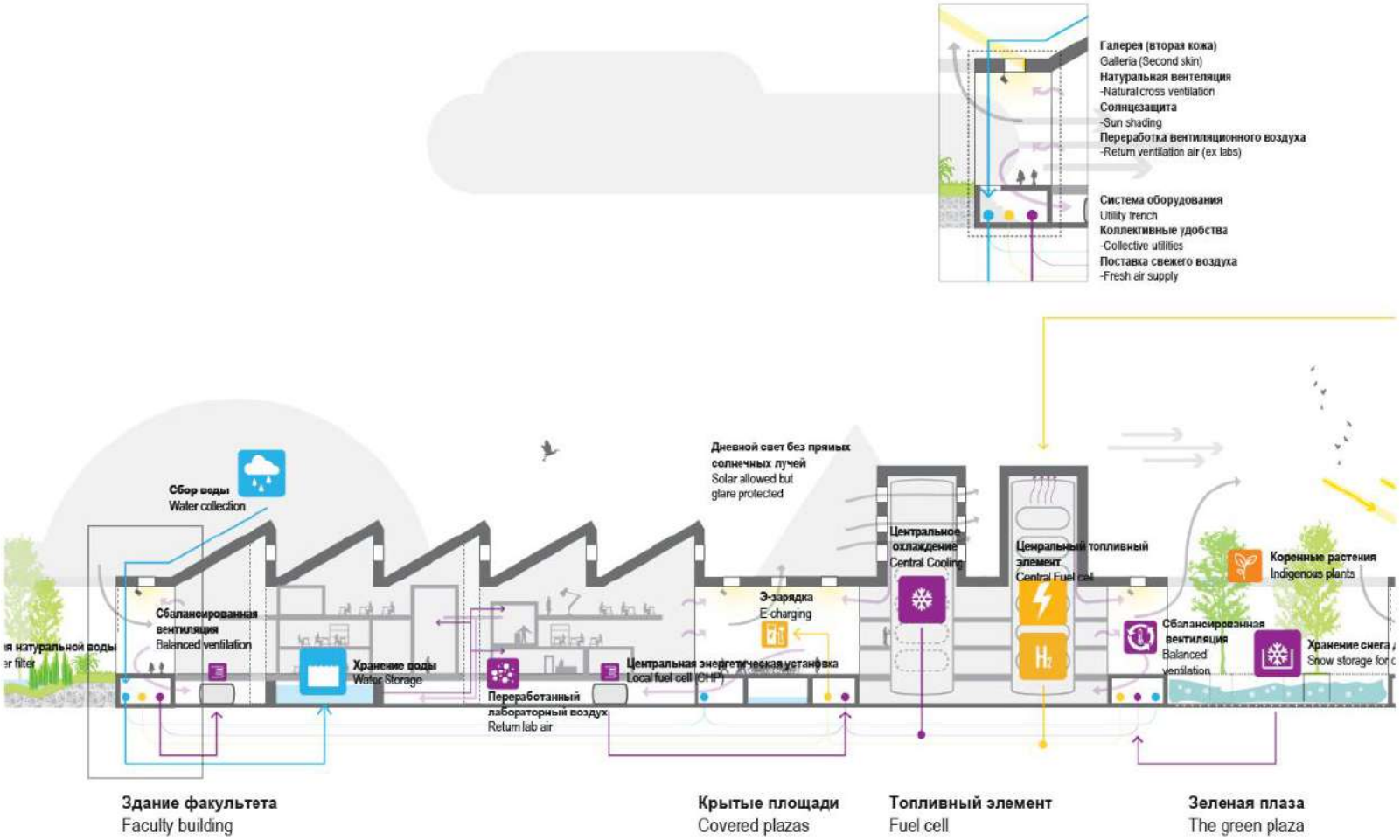
Здание факультета
Faculty building

Крытые площади
Covered plazas

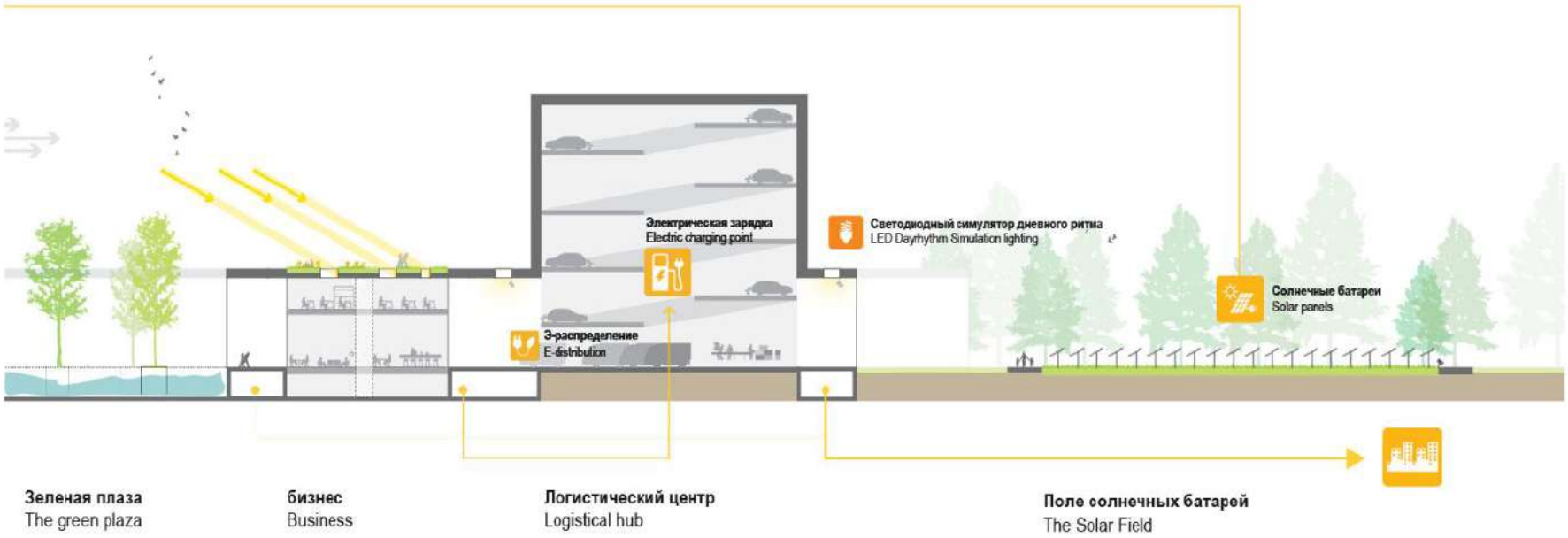
Топливный элемент
Fuel cell

Зеленая плаза
The green plaza

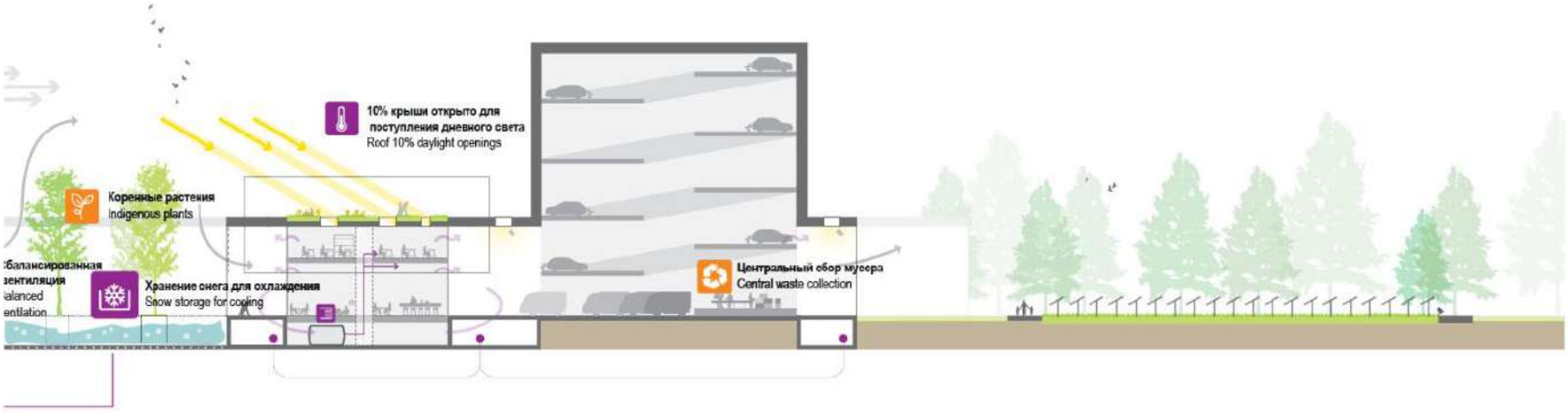
Стратегия устойчивости
Sustainability strategy



Стратегия устойчивости - энергия
Sustainability strategy - energy



Стратегия устойчивости - термальная
Sustainability strategy - thermal

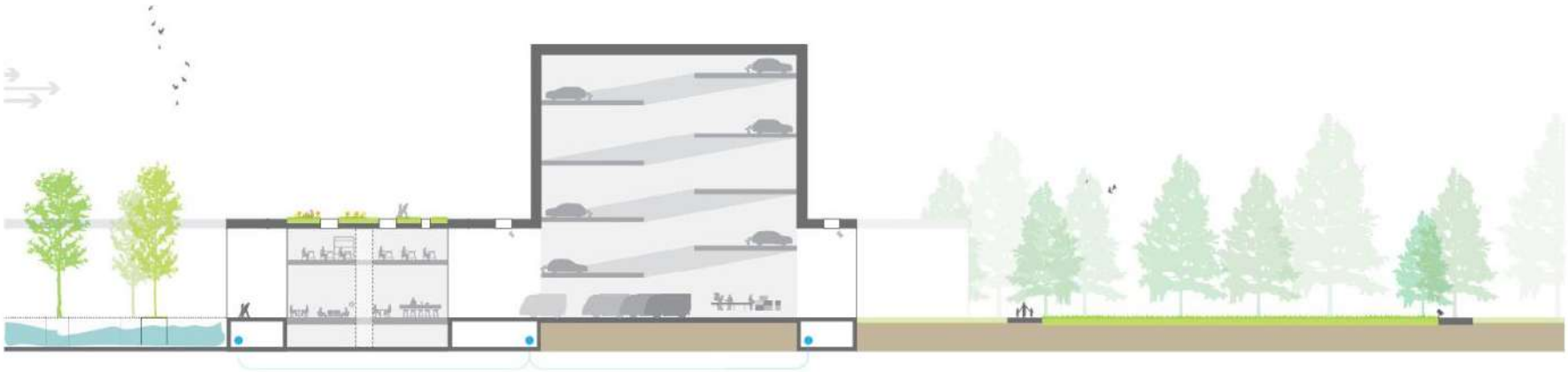


Зеленая плаза
The green plaza

бизнес
Business

Логистический центр
Logistical hub

Стратегия устойчивости - вода
Sustainability strategy - water

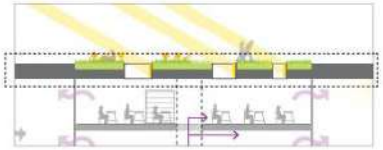


Зеленая плаза
The green plaza

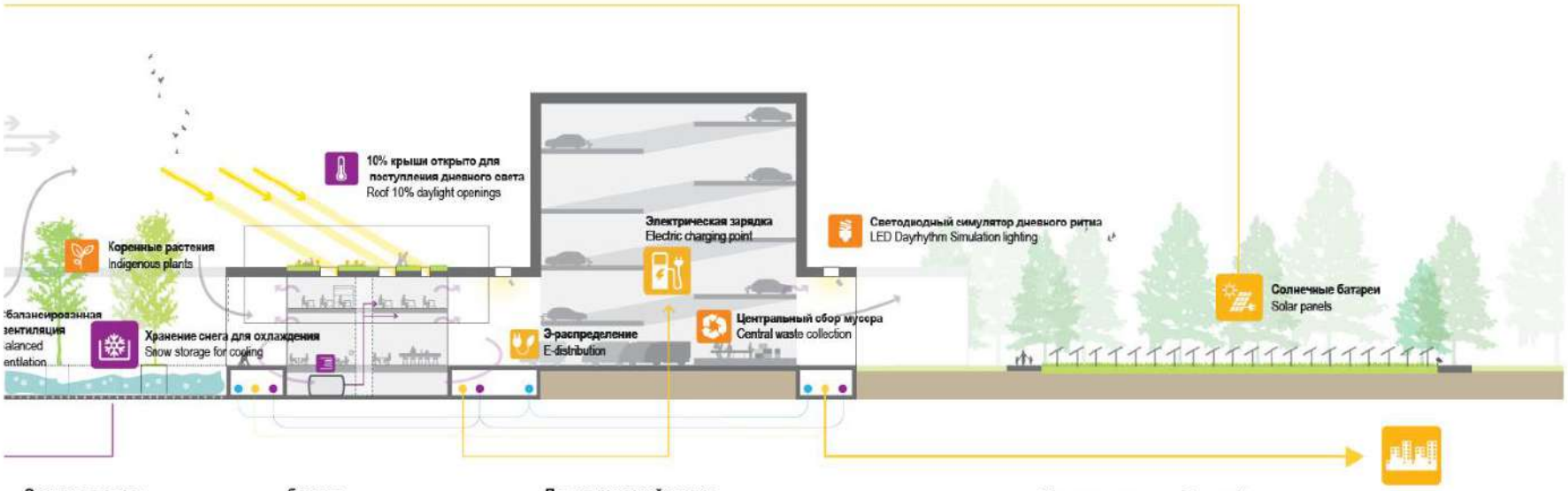
бизнес
Business

Логистический центр
Logistical hub

Стратегия устойчивости
Sustainability strategy



Кровля с допуском дневного света
Roof with daylight
10% отверстий на крыше распределено равномерно
-10% openings homogeneous distributed
Пропускает свет, при этом защита от ослепляющих лучей
-Solar allowed but glare protected
Потолок без оборудования
-Utility free ceiling



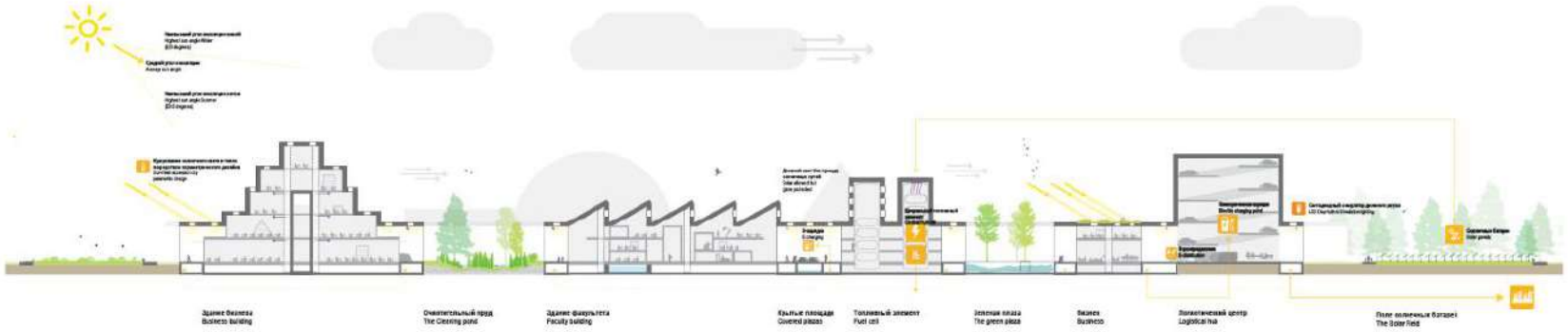
Зеленая плаза
The green plaza

бизнес
Business

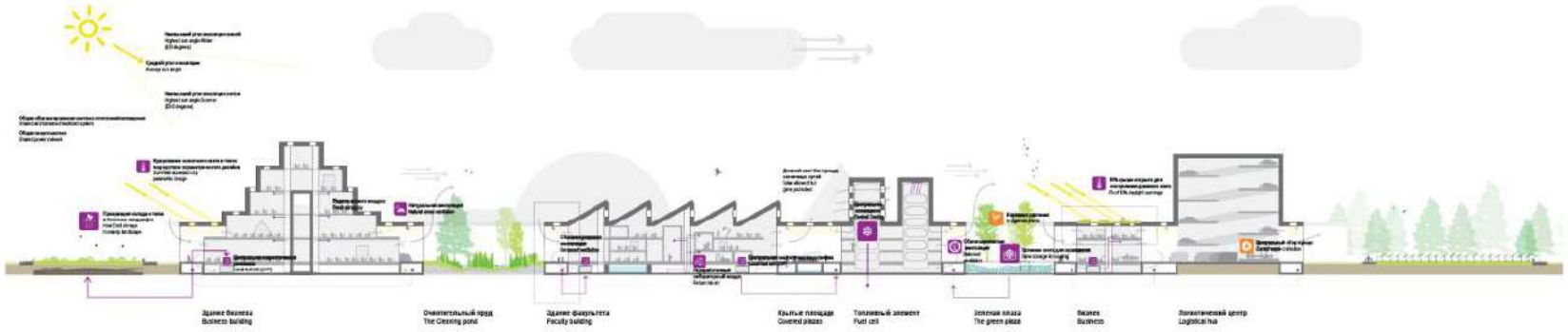
Логистический центр
Logistical hub

Поле солнечных батарей
The Solar Field

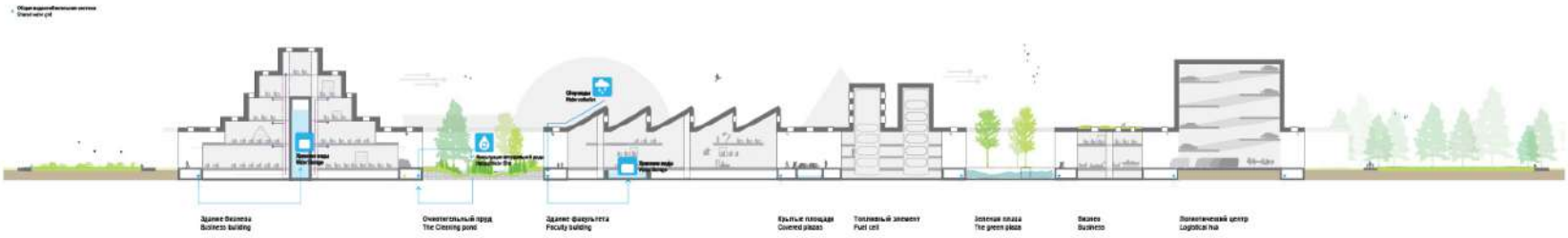
Стратегия энергоустойчивости
Sustainability strategy - Energy



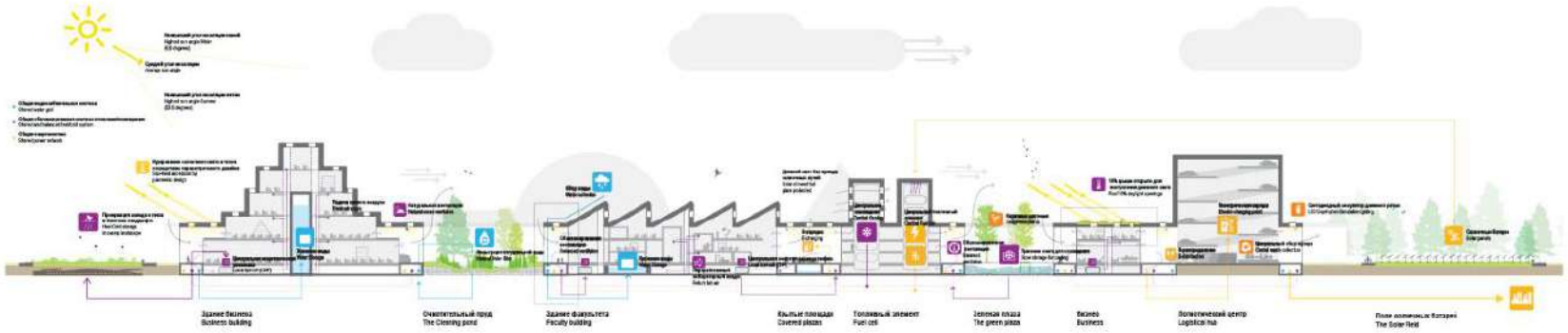
Стратегия термоустойчивости
Sustainability strategy - Thermal



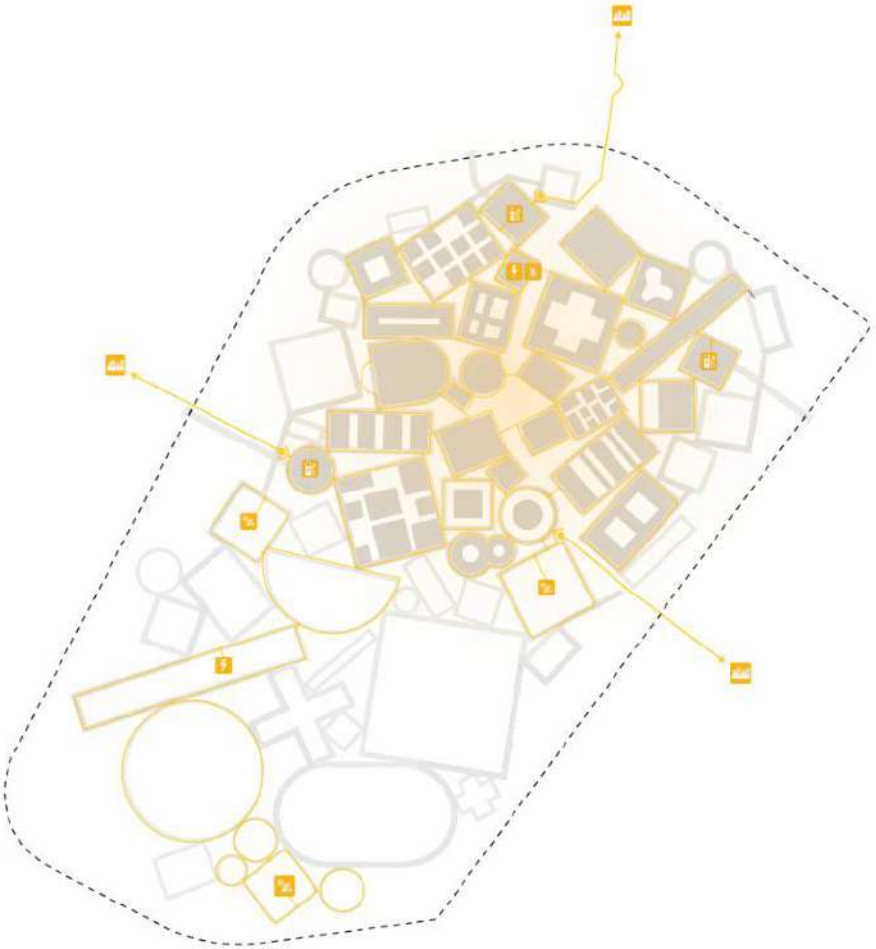
Стратегия гидрооустойчивости
Sustainability strategy - Water



Стратегия устойчивости
Sustainability strategy



Энергосистема
Energy system



Термосистема
Thermical system

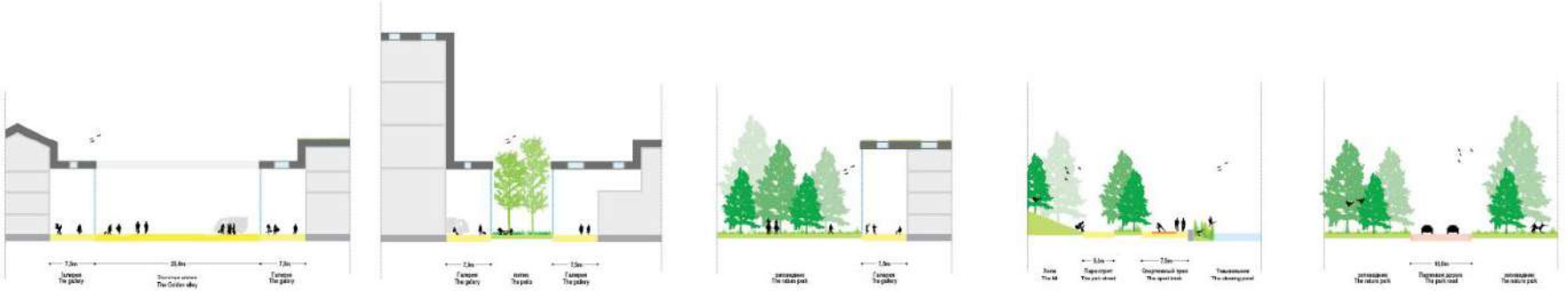
Гидросистема
Water system

Планировка стратегии устойчивости
Plan sustainability strategy

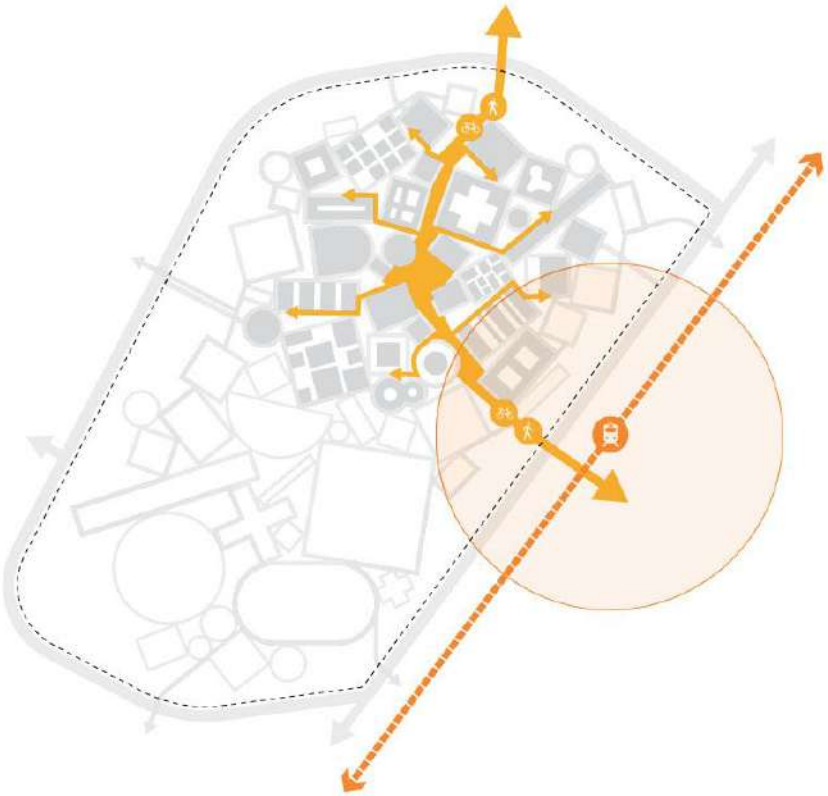
Улицы и Галереи
The Streets and the Galleries

Обзор улицы и галереи
Overview streets and galleries

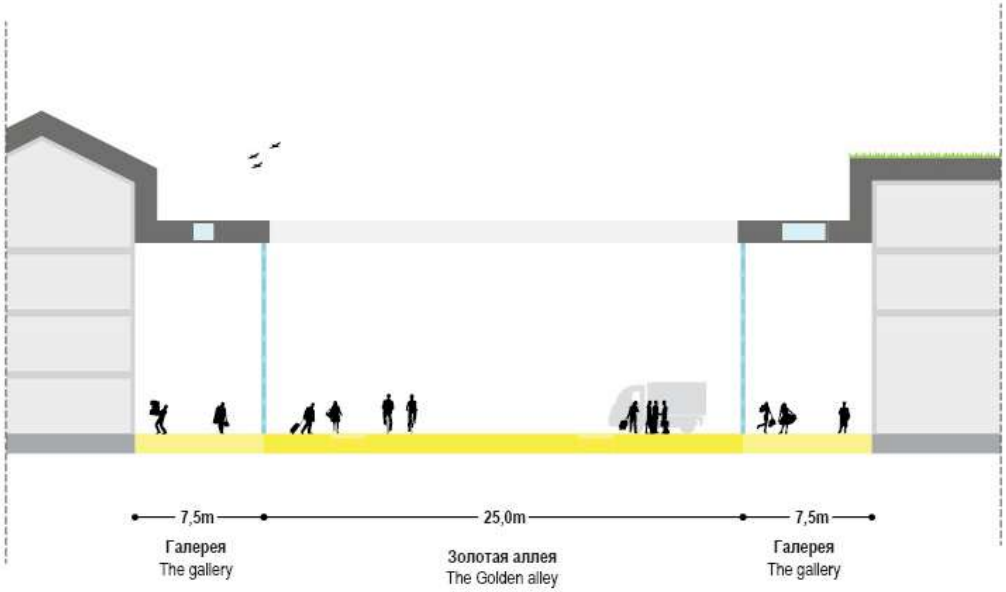
Каталог типологий улиц и галерей
Overview typologies streets and galleries



Золотая аллея - Главные пешеходные и велосипедные дороги
The Golden alley - Main pedestrian and bike links

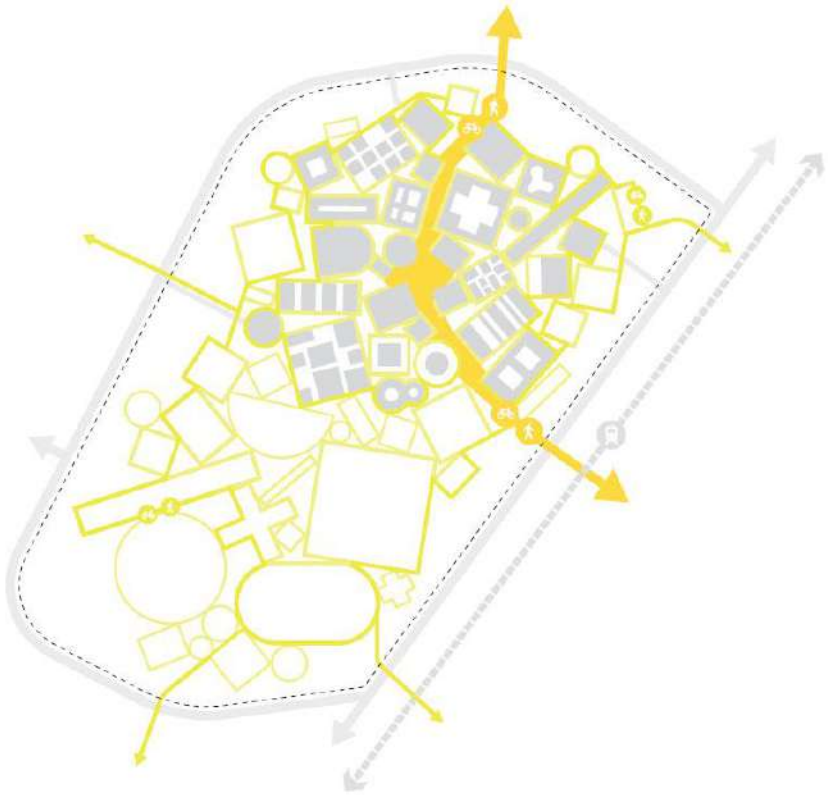


Золотая аллея
The Golden alley

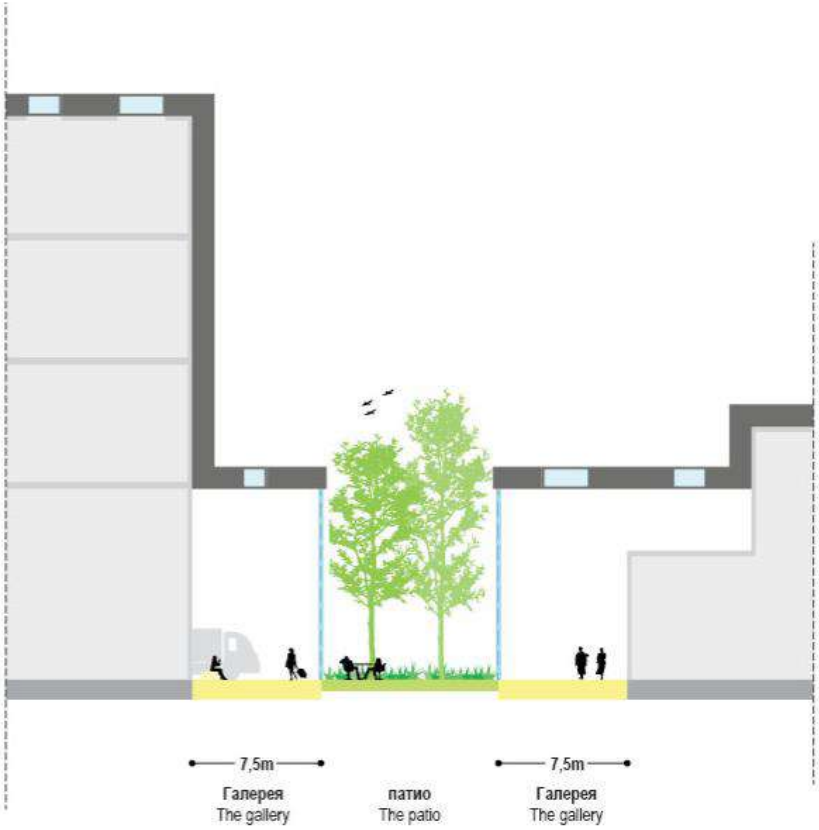


Галереи и парковые улицы - Локальные пешеходные и велосипедные дороги

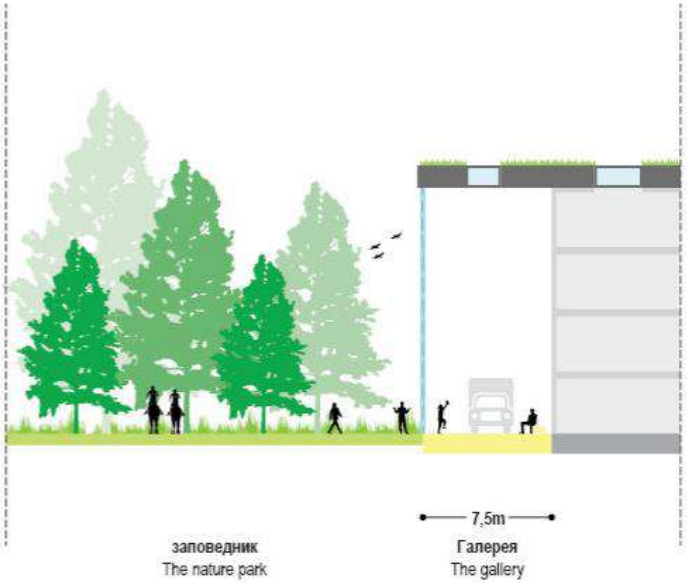
The Galleries and the park streets - Local pedestrian and bike streets



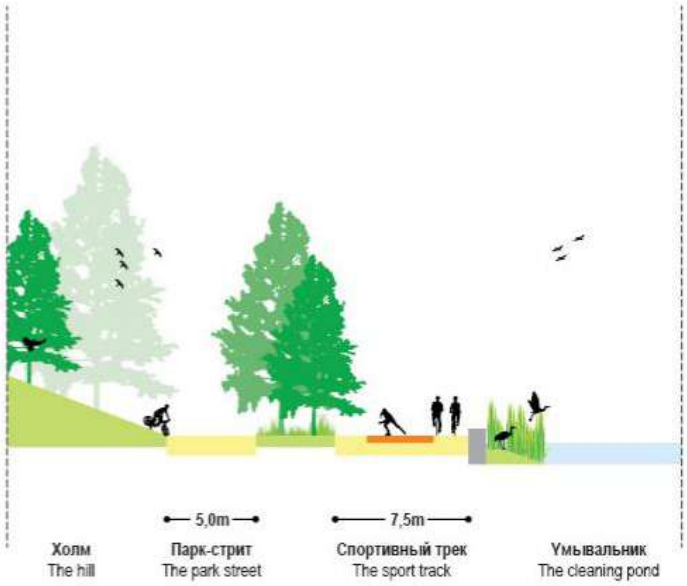
Галереи (внутри здания)
The gallery (inside building)



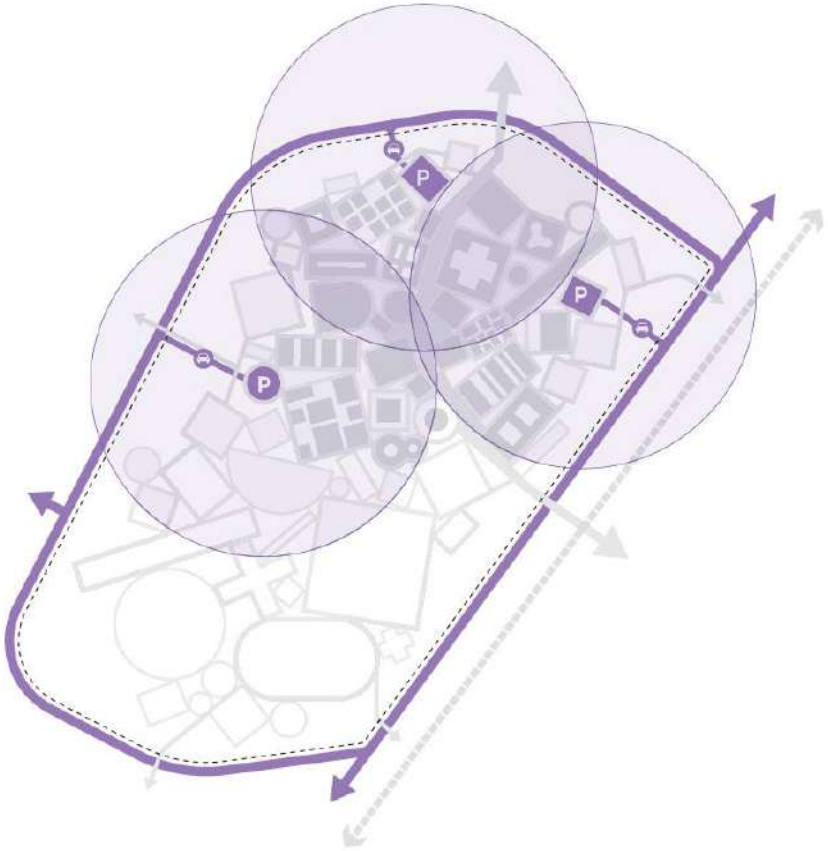
Галереи (по периметру здания)
The gallery (edge building)



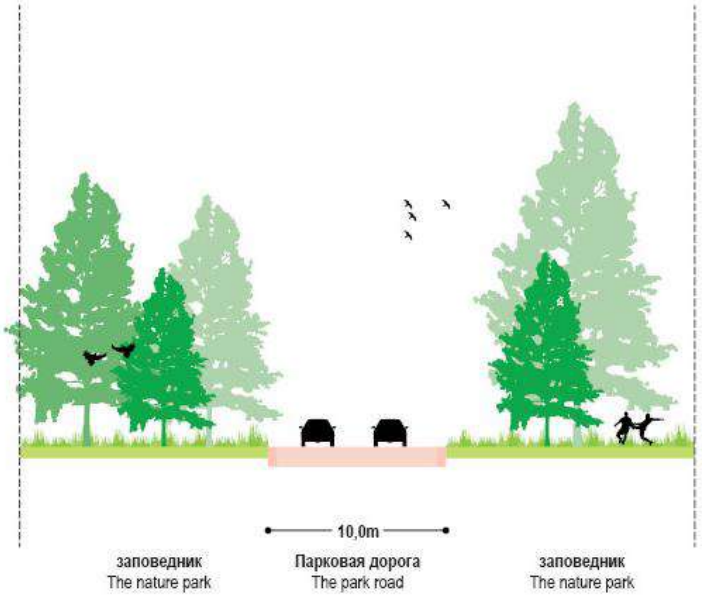
Парковая улица
The park street



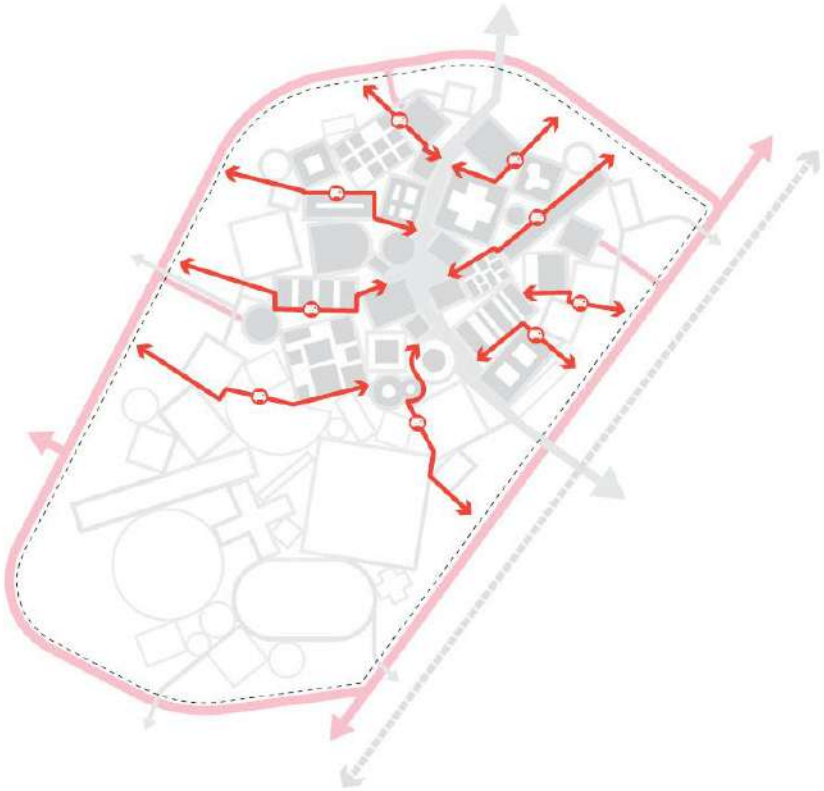
Машины и парковки – доступность машин
Cars and parking –car access



Дороги парка
The park road



Галереи и улицы парка - Эвакуационные пути
Galleries and park streets - Evacuation routes



Галереи и улицы парка - Схема логистика
Galleries and park streets - Logistics scheme

Планировка стратегии транспорта
Plan transport strategy

Перспективы развития
Development scenarios

Создатель ИТМО

Скрипт для тестирования различных сценариев

The ITMO maker

Scripting tool to test different scenarios

ITMO MAKER V0.1

load save export

Urban Layout: Grid | Zoning: Divided | Density: 5 | Phasing: Along Golden Mile | Corridor Width: 5 | Roof Porosity: 30 | Create Roof | Screenshot

REHEARSAL HALL	0 m2
CONFERENCE HALL	6750 m2
MUSEUM	4000 m2
LECTURE HALL	7880 m2
RESTAURANT	1440 m2
OFFICE	3520 m2
FACULTY BUILDING	32800 m2
DATA CENTRE	5600 m2
SPORT CENTRE	13380 m2
STUDENT DORMITORY	41160 m2
BUSINESS INCUBATOR	10000 m2
BUSINESS SCIENCE CENTRE	10000 m2
PRODUCTION ZONE	237360 m2
ENERGY PLANT	1300 m2
PARKING	28500 m2
RESERVE	196310 m2

The Theater | The Chimney | The Petersburg block | The Data room | The Incubator | The Laboratory halls

The Tribune | The Matroesjka housing | The Pyramid | The Energy plant | The Incubator | The Production warehouse

The Wonder Box | The Student block | The Russian palace | The Parking box | The Barcode lab | The Science ramp

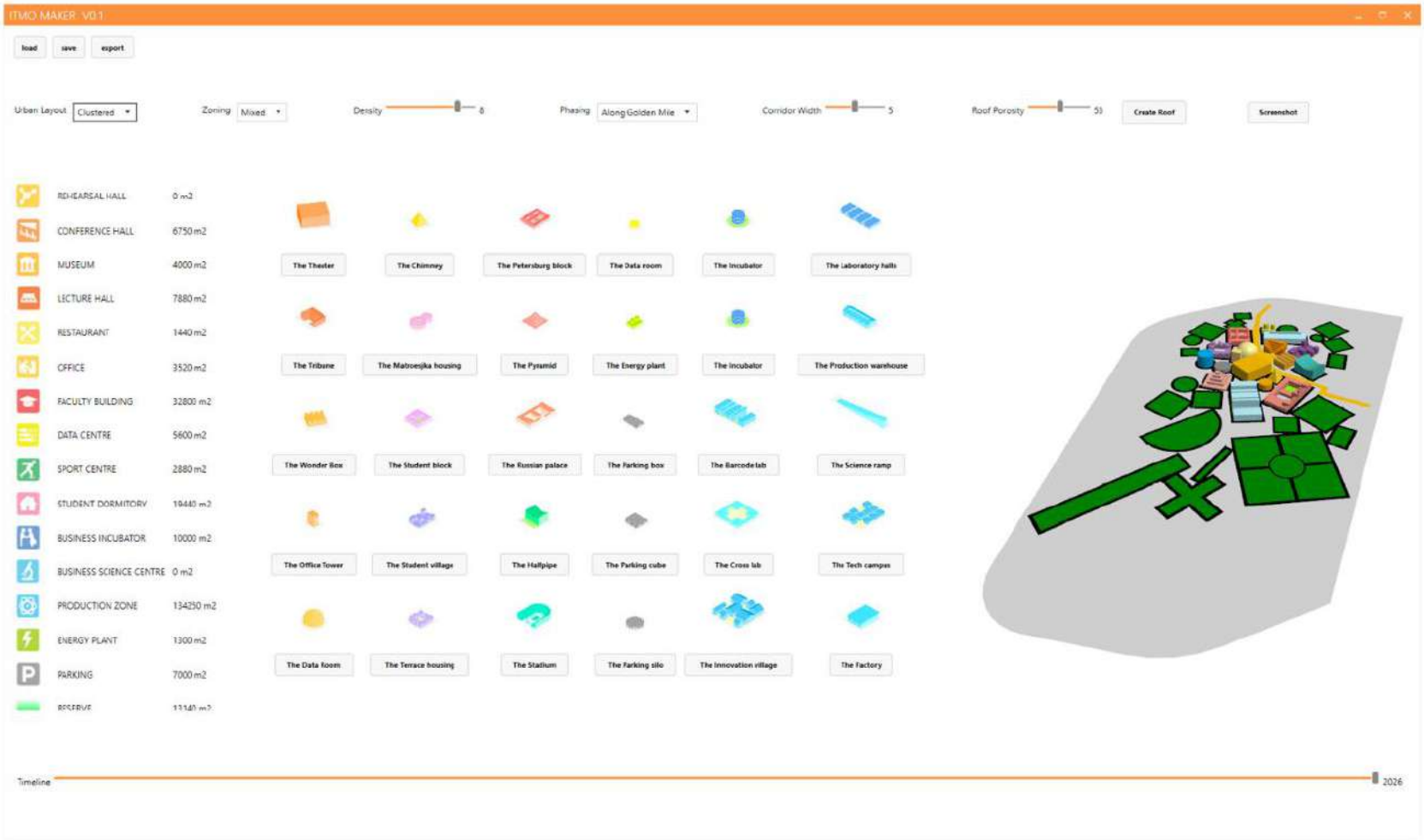
The Office Tower | The Student village | The Halfpipe | The Parking cube | The Cross lab | The Tech campus

The Data Room | The Terrace housing | The Stadium | The Parking silo | The Innovation village | The Factory

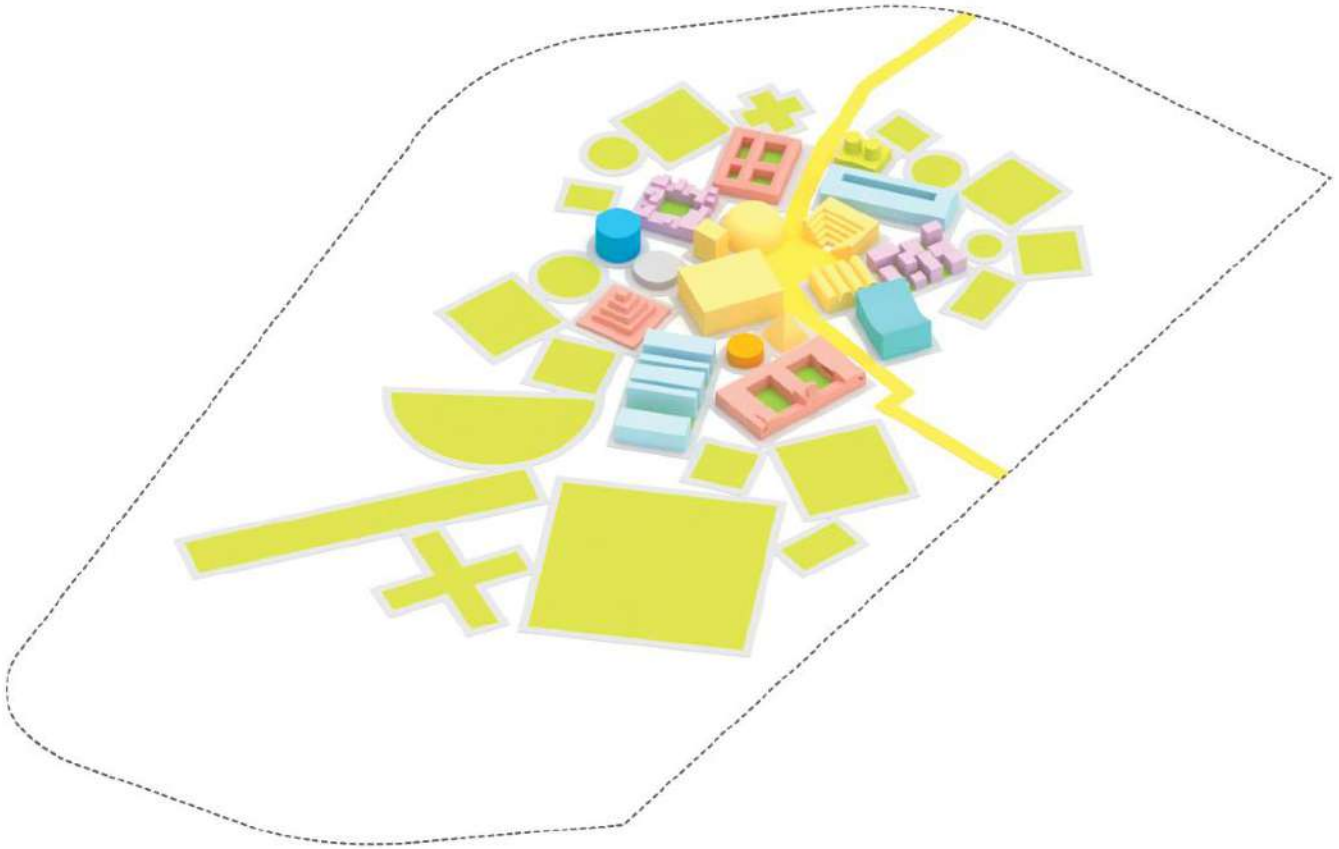
Timeline 2026

v0.1 // 11.2018 MVRDV

Сценарий компактного кампуса
Compact campus scenario

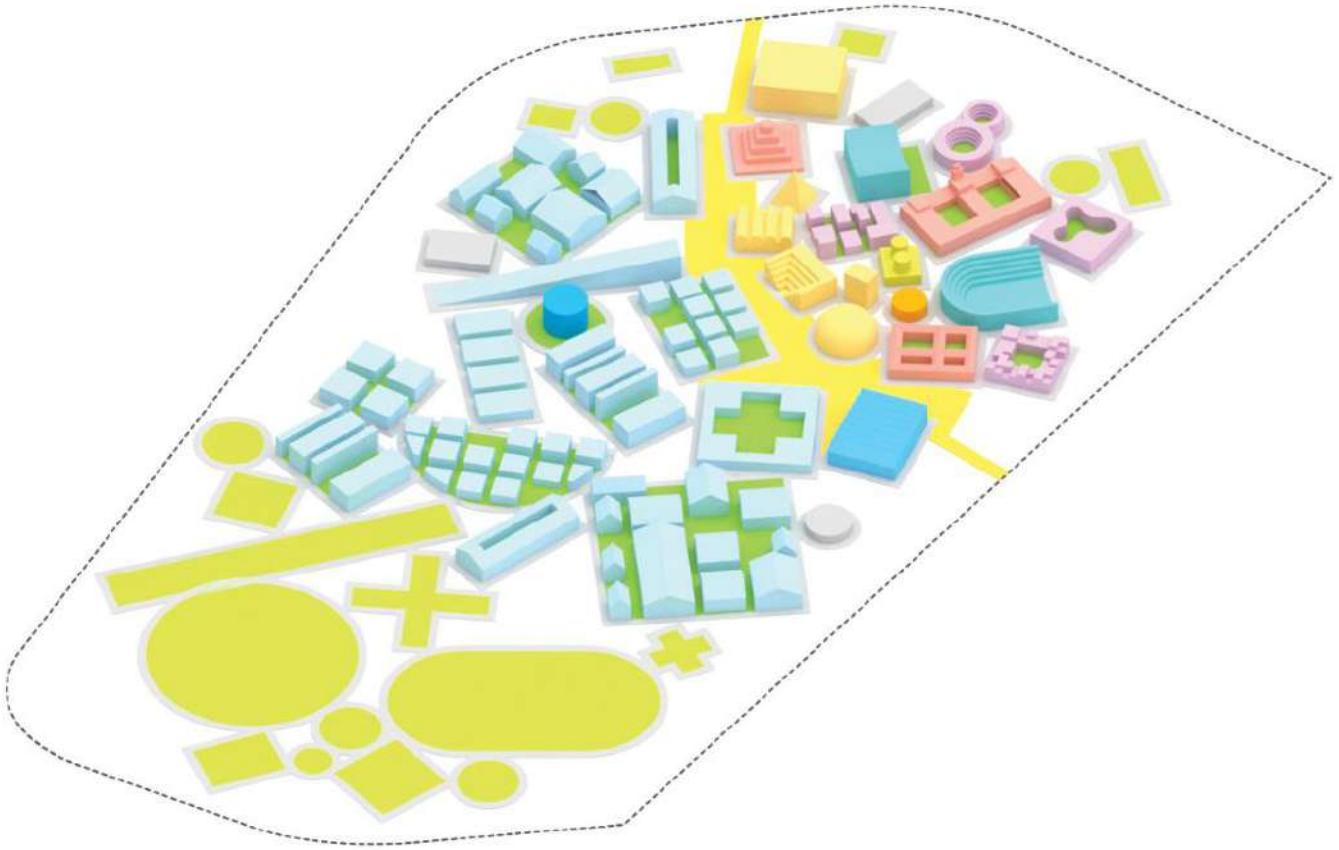


Сценарий компактного кампуса
Compact campus scenario

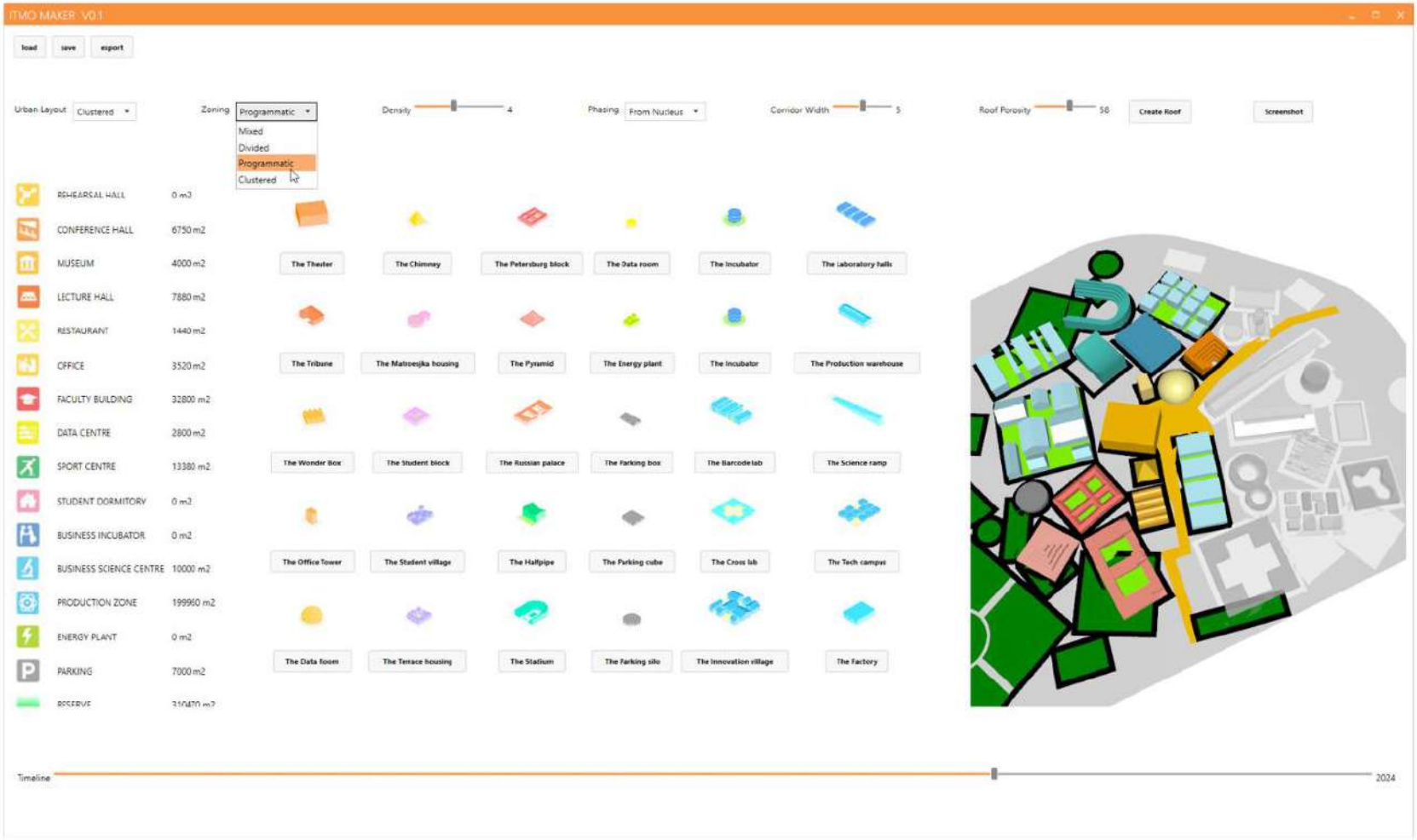


Четкое разделение академической и промышленной зоны
Clear separation of academic and production zones

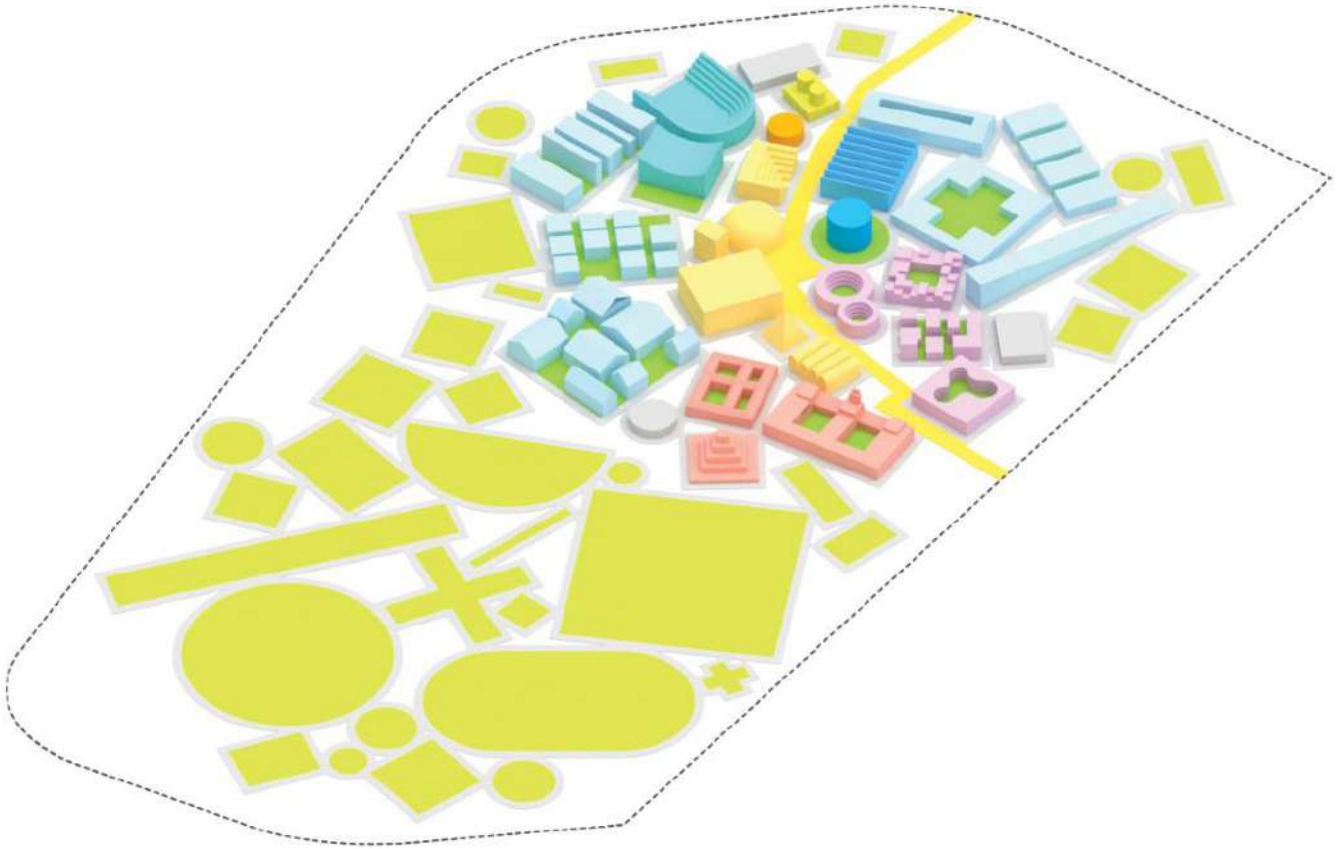
Четкое разделение академической и промышленной зоны
Clear separation of academic and production zones



Собранные функциональные группы
Clustered programs



Собранные функциональные группы
Clustered programs

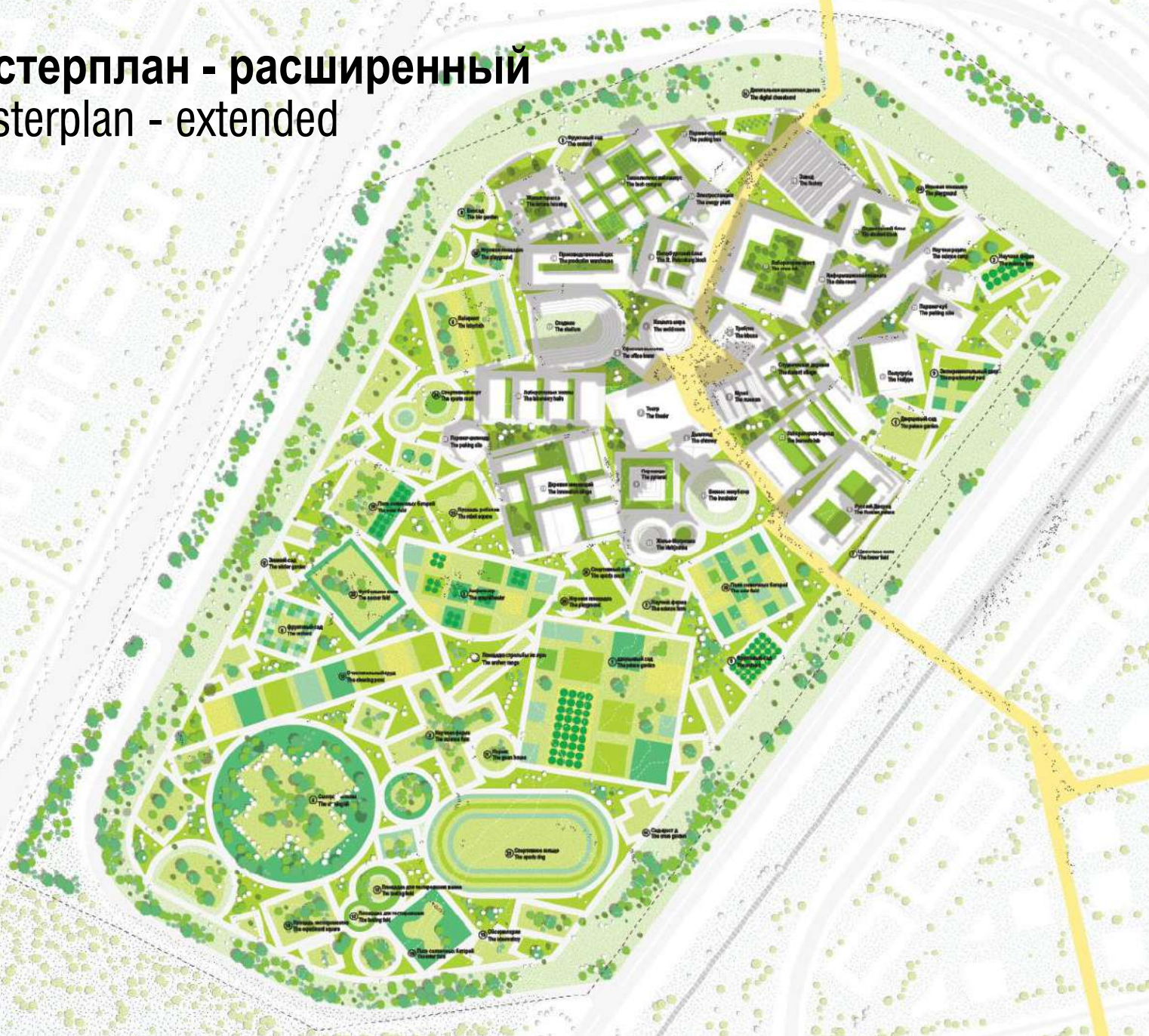


Сценарий максимального роста
Maximum growth scenario

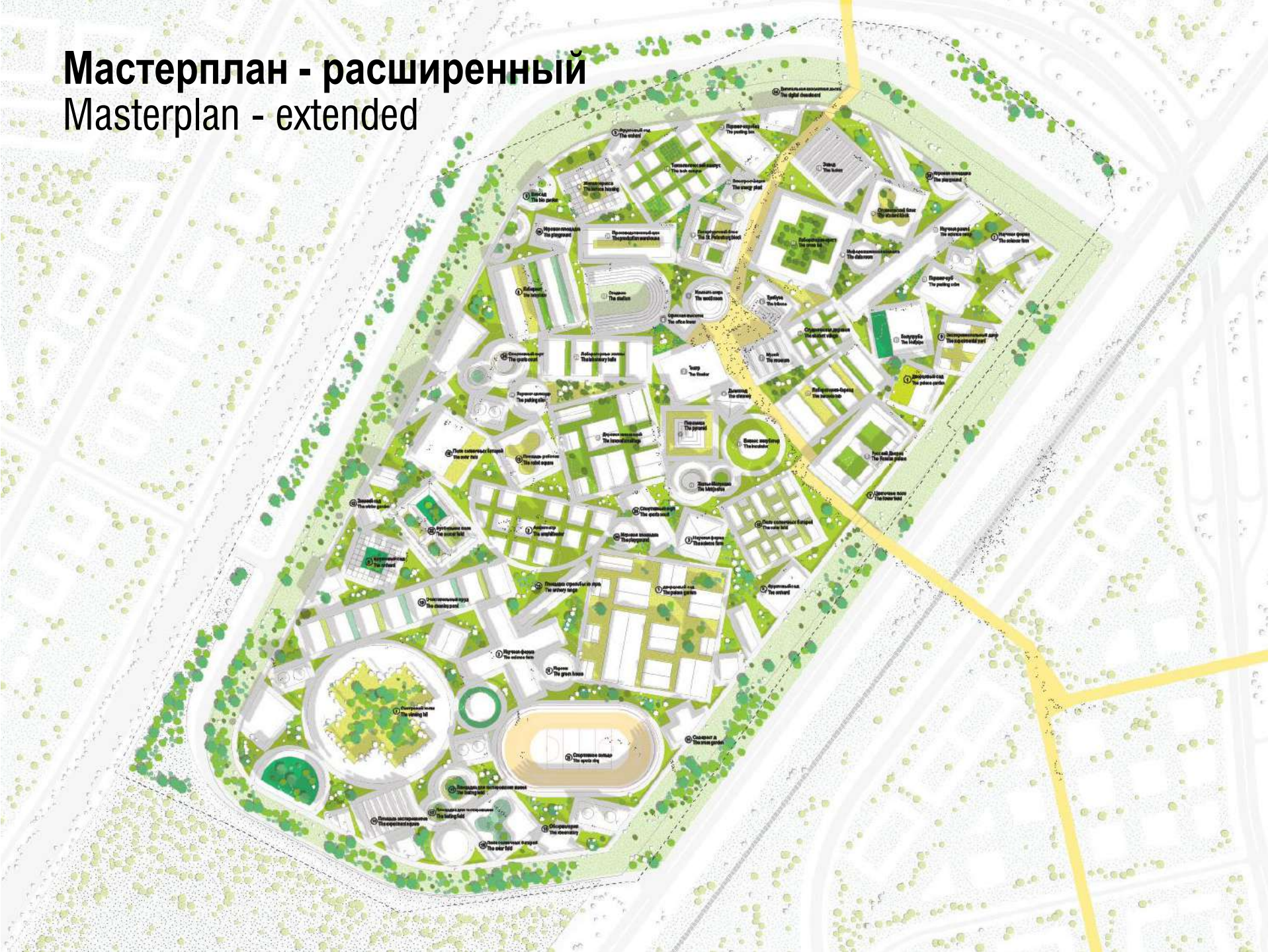
Сценарий максимального роста
Maximum growth scenario

Мастерплан
Masterplan

Мастерплан - расширенный
Masterplan - extended



Мастерплан - расширенный
Masterplan - extended



Следующий ИТМО
THE NEXT ITMO

Прогулка по кампусу ИТМО
Walking through the ITMO campus

14 Дигитальная шахматная доска
The digital chessboard
27 Паркинг-коробка
The parking box
5 Фруктовый сад
The orchard
4 Дворик Тундры
The tundra patio
19 Технологический кампус
The tech campus
18 Завод
The factory
24 Электростанция
The energy plant
4 Дворик Тундры
The tundra patio
16 Жилая терасса
The terrace housing
2 Очистительный пруд
The cleaning pond
8 Биосад
The bio garden
3 Лесной
The fores
3 Лесной сад
The forest garden
2 Очистительный пруд
The cleaning pond
20 Игровая площадка
The playground
20 Производственный цех
The production warehouse
9 Петербургский блок
The St. Petersburg block
22 Лаборатория-крест
The cross lab
10 Информац
The data roo
5 Плаза охлаждения
The cooling plaza
3 Лесной сад
The forest gar
6 Лабиринт
The labyrinth
12 Стадион
The stadium
1 Комната мира
The world room
4 Дворик Тундры
The tundra patio
4 Трибуна
The tribune
6 Офисная высотка
The office tower
2 Очистительный пруд
The cleaning pond
1 Площадь ITMO
The ITMO square
14 Студенческая деревня
The student village
24 Спортивный корт
Лабораторные холлы
Музей

Вид на фасад из парка
Elevation of the facade seen from the park

Вид из парка на фасад общежития
View of the housing facade from the park

Вид на спорткомплекс из галереи
View of the sports complex from the gallery

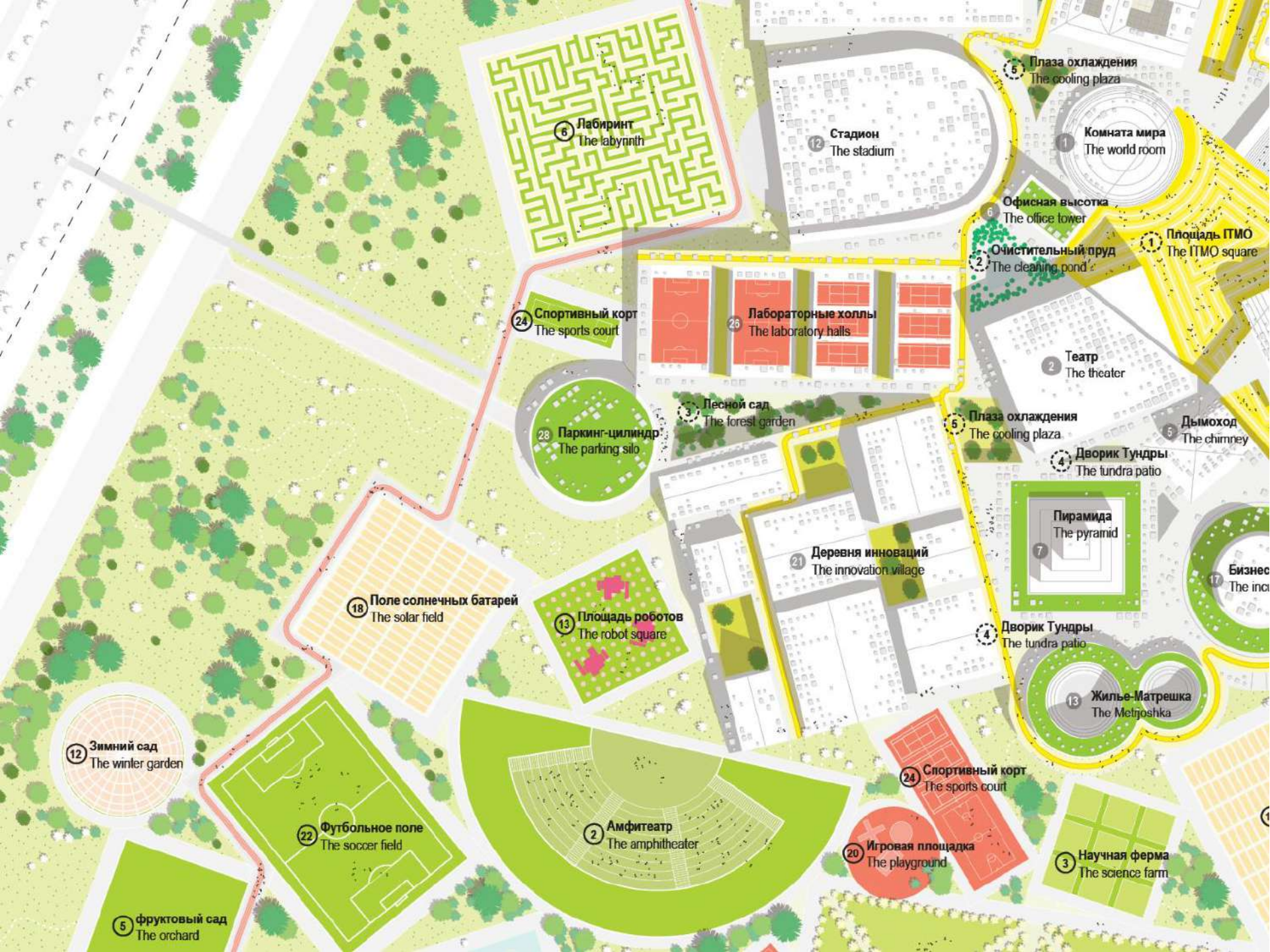
Вид на внутренний дворик
View of internal patio

27 Паркинг-коробка
The parking box
4 Дворик Тундры
The tundra patio
19 Технологический кампус
The tech campus
18 Завод
The factory
20 Игровая площадка
The playground
24 Электростанция
The energy plant
4 Дворик Тундры
The tundra patio
2 Очистительный пруд
The cleaning pond
3 Лесной сад
The forest garden
15 Студенческий блок
The student block
2 Очистительный пруд
The cleaning pond
9 Петербургский блок
The St. Petersburg block
22 Лаборатория-крест
The cross lab
3 Лесной сад
The forest garden
25 Научная рампа
The science ramp
3 Научная ферма
The science farm
10 Информационная комната
The data room
5 Плаза охлаждения
The cooling plaza
3 Лесной сад
The forest garden
29 Паркинг-куб
The parking cube
2 Очистительный пруд
The cleaning pond
1 Комната мира
The world room
4 Дворик Тундры
The tundra patio
4 Трибуна
The tribune
Офисная высотка
The office tower
5 Плаза охлаждения
The cooling plaza
Очистительный пруд
The cleaning pond
1 Площадь ITMO
The ITMO square
14 Студенческая деревня
The student village
11 Полутруба
The Halfpipe
9 Эксперементальный двор
The experimental yard
3 Музей
The museum
2 Театр
The theater
1 Дворцовый сад
The palace garden
3 Лесной сад
The forest garden
5 Дымоход
The chimney
23 Лаборатория-баркод
The barcode lab
4 Дворик Тундры
The tundra patio
7 Пирамида
The pyramid
Бизнес инкубатор

Вид на центр урбанистики из галереи
View of the urban centre from the gallery

Дворик минигольфа и центр наук о здоровье и жизни
Minigolf patio and the centre for health and life sciences

Вид на площадь ИТМО
View of the ITMO square


Плаза охлаждения
The cooling plaza
Лабиринт
The labyrinth
Стадион
The stadium
Комната мира
The world room
Офисная высотка
The office tower
Площадь ITMO
The ITMO square
Очистительный пруд
The cleaning pond
Спортивный корт
The sports court
Лабораторные холлы
The laboratory halls
Театр
The theater
Песной сад
The forest garden
Плаза охлаждения
The cooling plaza
Дымоход
The chimney
Паркинг-цилиндр
The parking silo
Дворик Тундры
The tundra patio
Пирамида
The pyramid
Деревня инноваций
The innovation village
Поле солнечных батарей
The solar field
Площадь роботов
The robot square
Дворик Тундры
The tundra patio
Жилье-Матрешка
The Metroshka
Зимний сад
The winter garden
Спортивный корт
The sports court
Футбольное поле
The soccer field
Амфитеатр
The amphitheater
Игровая площадка
The playground
Научная ферма
The science farm
фруктовый сад
The orchard

Дворик перед рестораном
View from restaurant to green patio

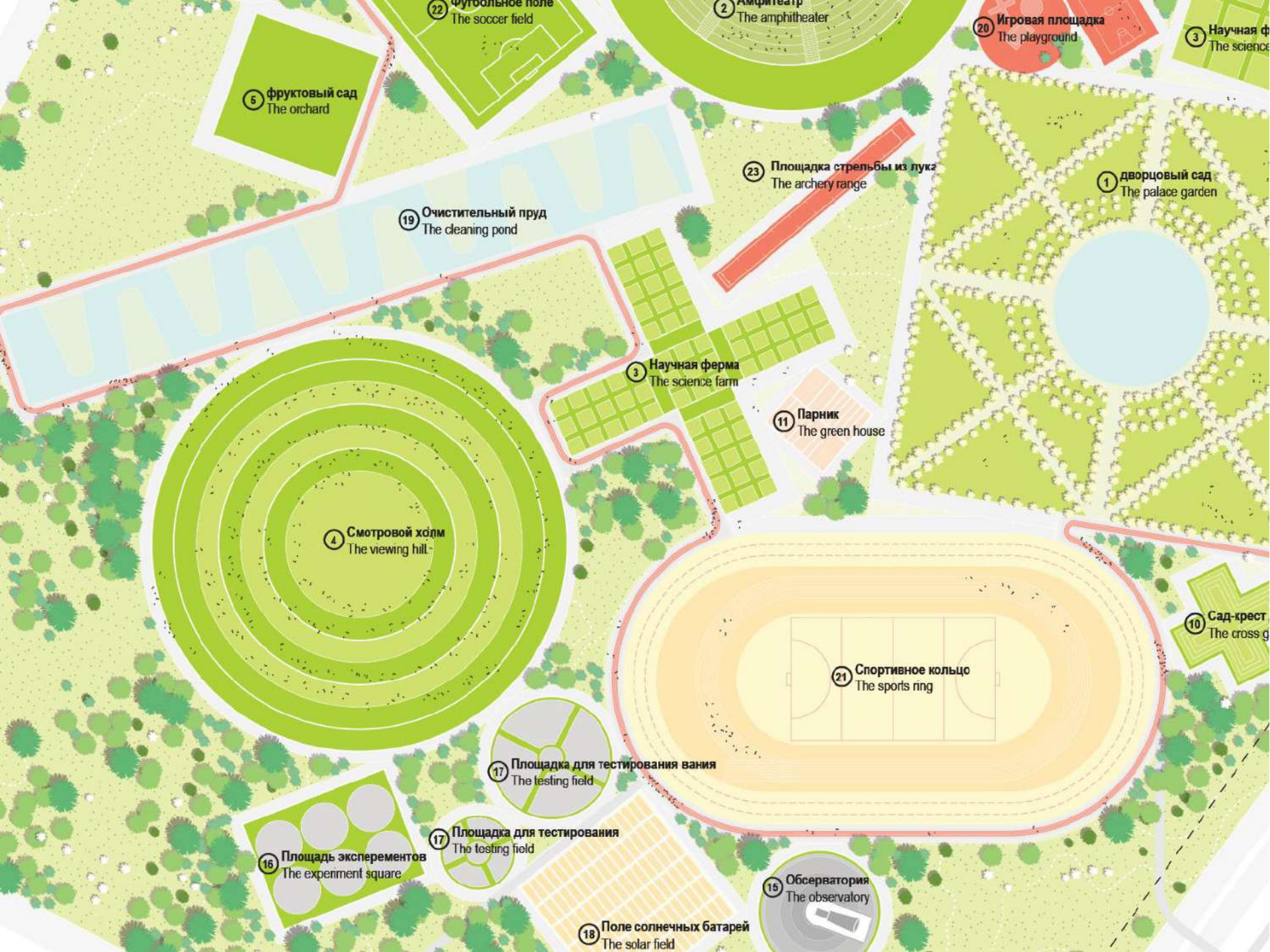
Вид на фасад из парка
Elevation of the facade seen from the park

parking silo
4 Дворик Тундры
The tundra patio
Пирамида
The pyramid
7
21 Деревня инноваций
The innovation village
17 Бизнес инкубатор
The incubator
Площадь роботов
The robot square
4 Дворик Тундры
The tundra patio
8 Русский Дворец
The Russian palace
13 Жилье-Матрешка
The Metroshka
7 Цветочное поле
The flower field
24 Спортивный корт
The sports court
18 Поле солнечных батарей
The solar field
2 Амфитеатр
The amphitheater
20 Игровая площадка
The playground
3 Научная фема
The science farm
23 Площадка стрельбы из лука
The archery range
1 дворцовый сад
The palace garden
5 Фруктовый сад
The orchard
ерма
farm
11 Парник
The green house

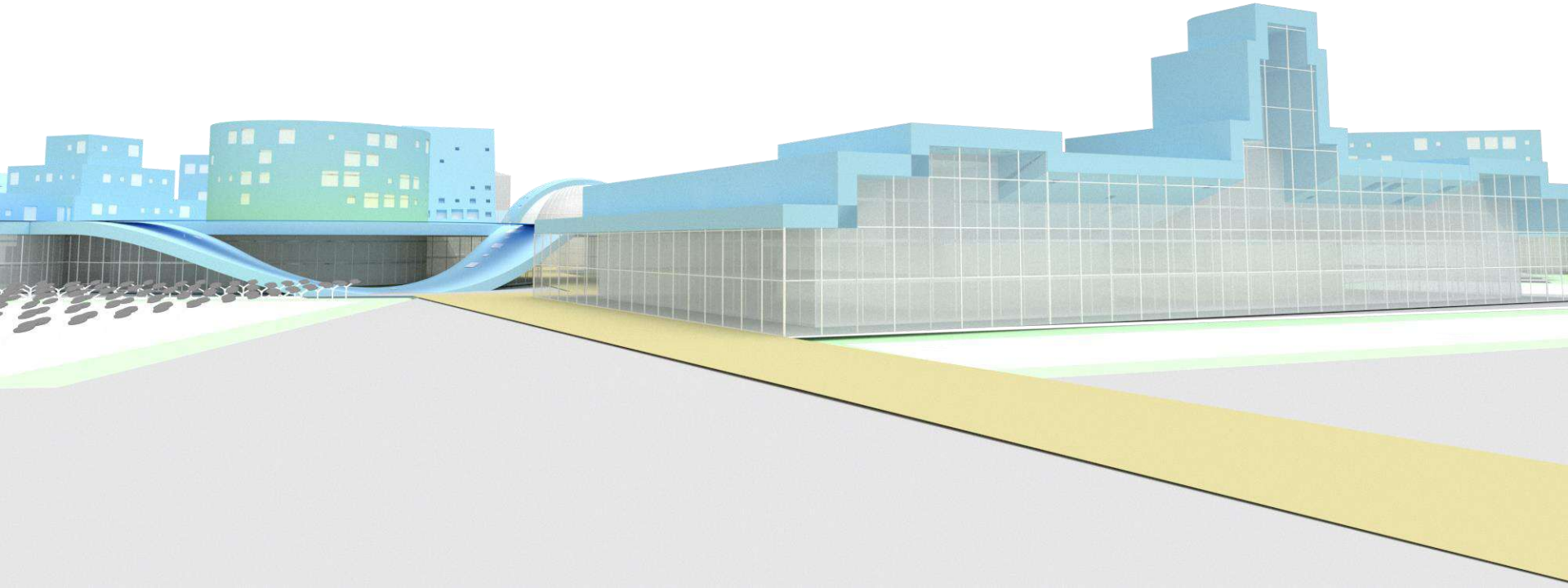
Один из главных входов в кампус
One of the main entrances to the campus

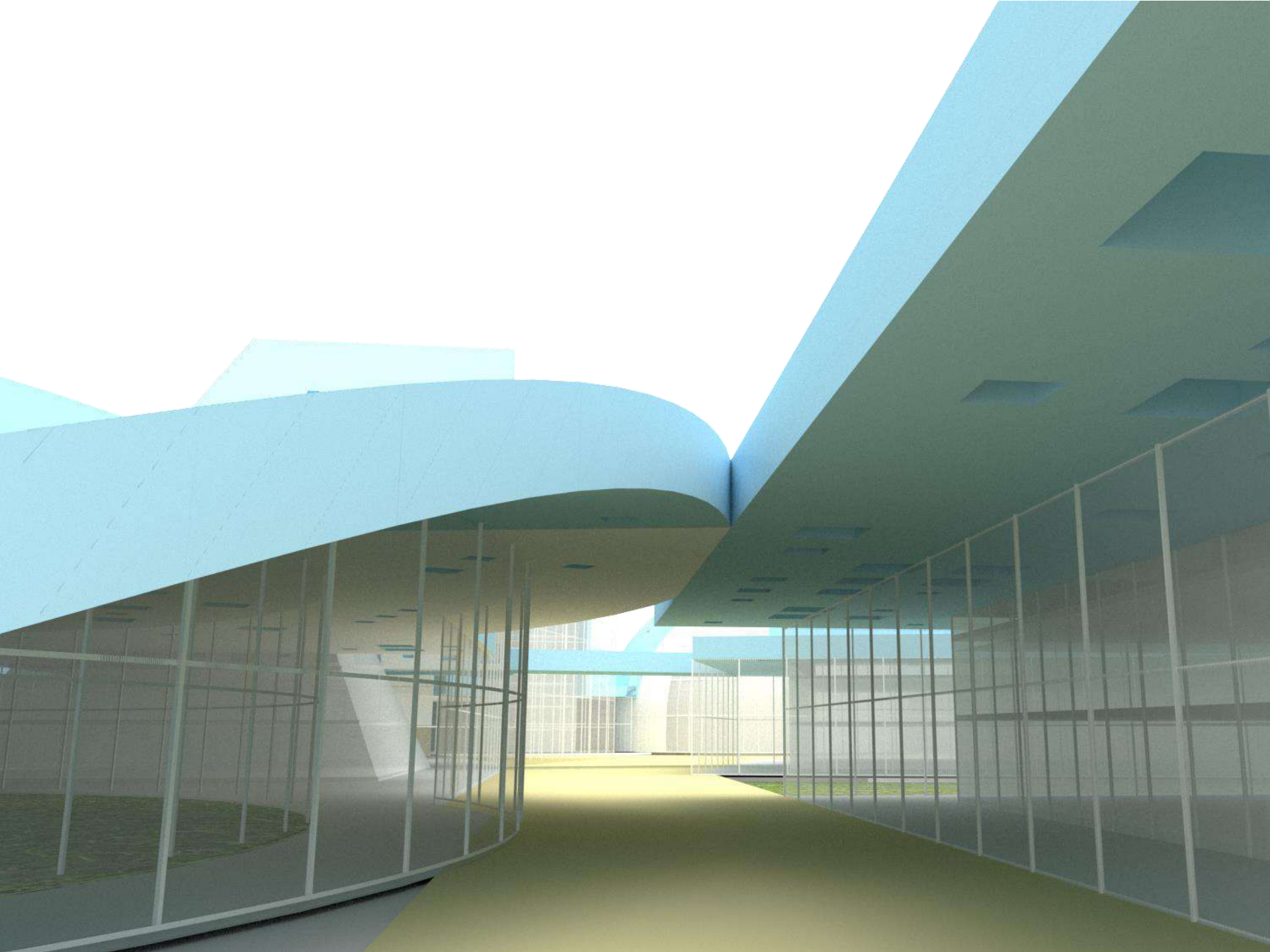
Вид на бизнес инкубатор
View of the incubator

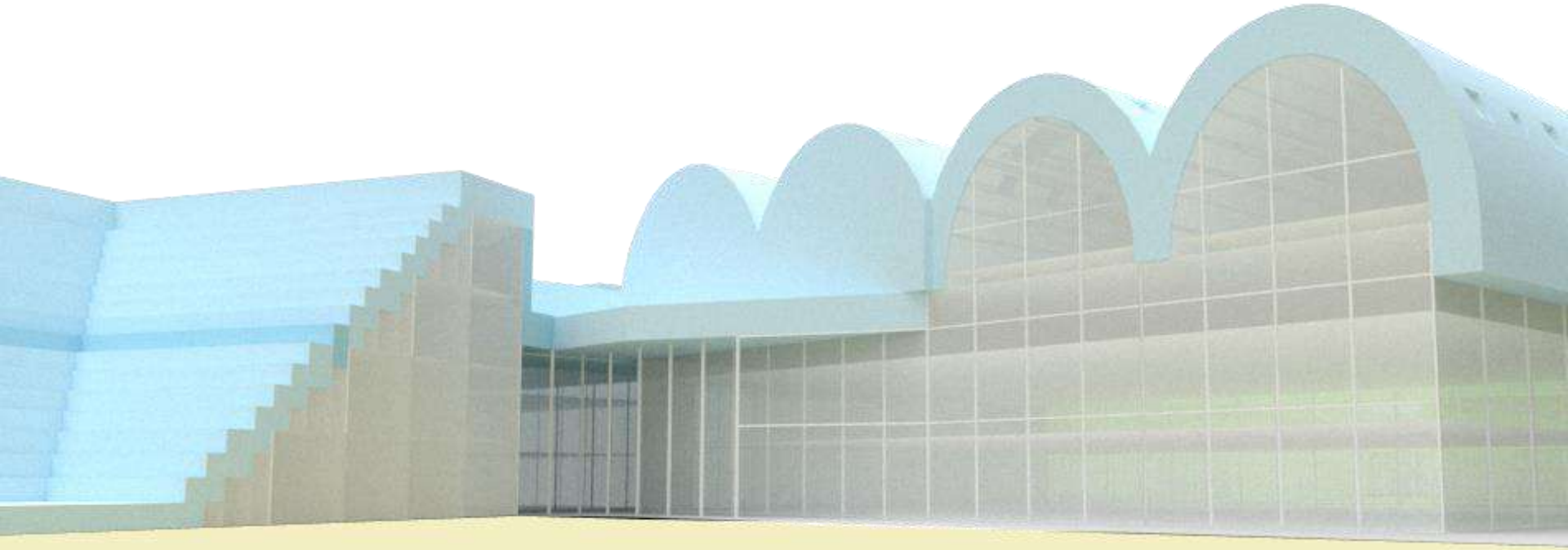
Вид на центр информатики
View of the centre for information technologies

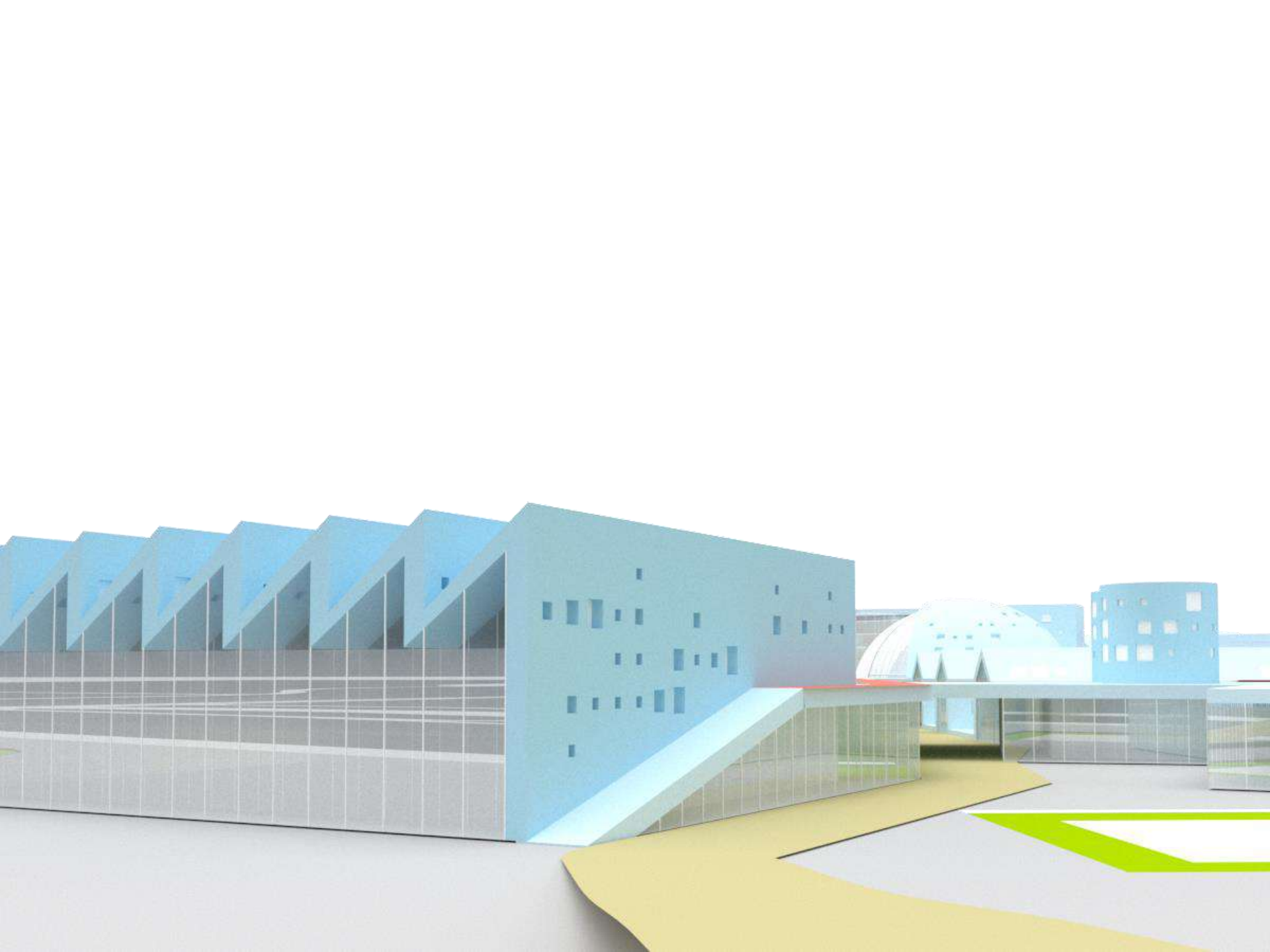

22 Футбольное поле
The soccer field
2 Амфитеатр
The amphitheater
20 Игровая площадка
The playground
3 Научная ф
The science
5 фруктовый сад
The orchard
23 Площадка стрельбы из лука
The archery range
1 дворцовый сад
The palace garden
19 Очистительный пруд
The cleaning pond
3 Научная ферма
The science farm
11 Парник
The green house
4 Смотровой холм
The viewing hill
10 Сад-крест
The cross g
21 Спортивное кольцо
The sports ring
17 Площадка для тестирования вания
The testing field
17 Площадка для тестирования
The testing field
16 Площадь эксперементов
The experiment square
15 Обсерватория
The observatory
18 Поле солнечных батарей
The solar field

Прогулка по золотой аллее от станции
Walking from the station over the Golden Alley

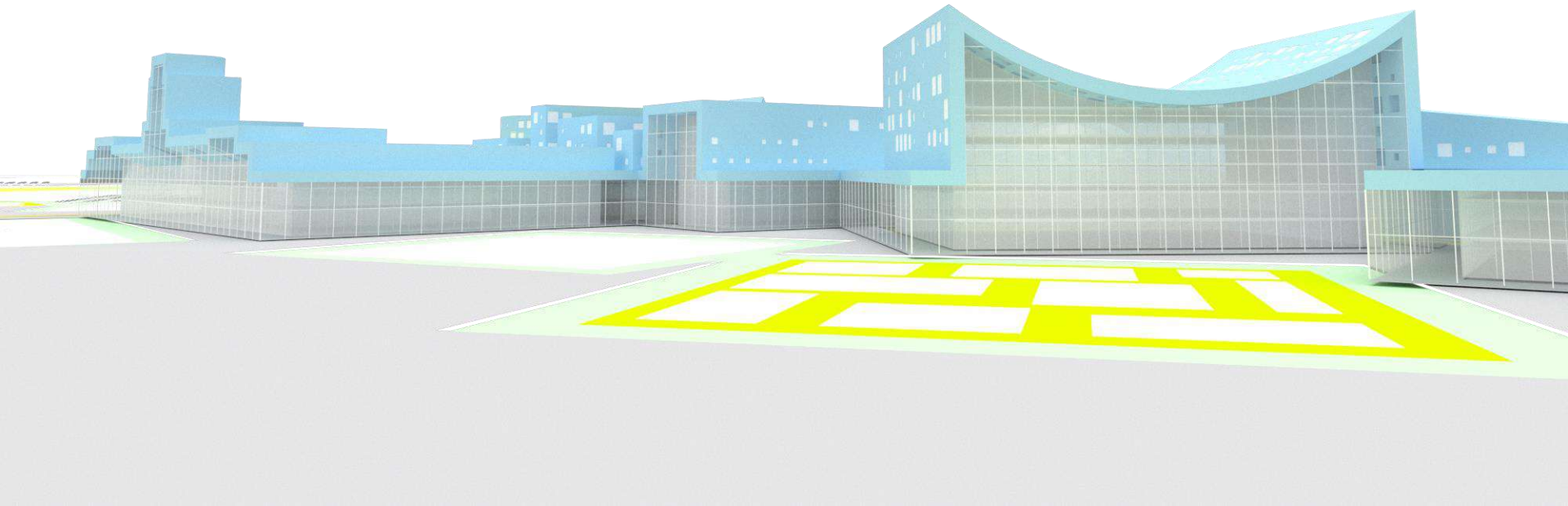


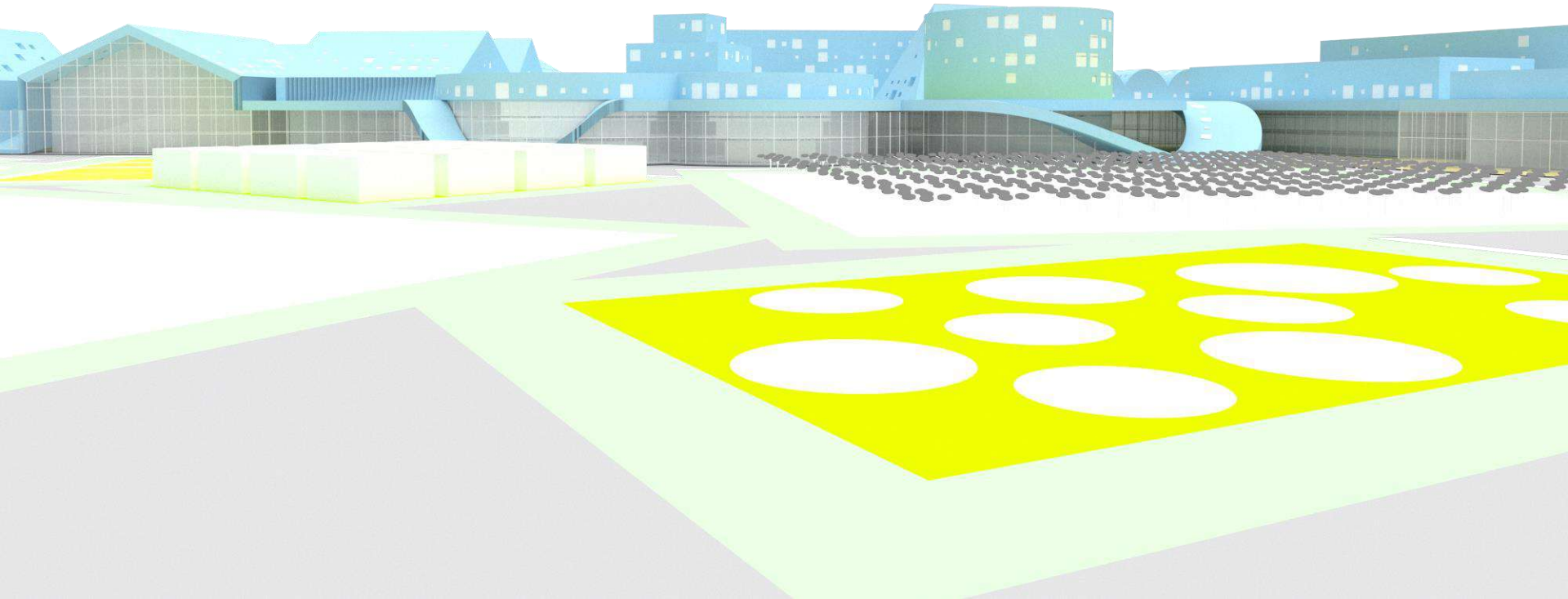


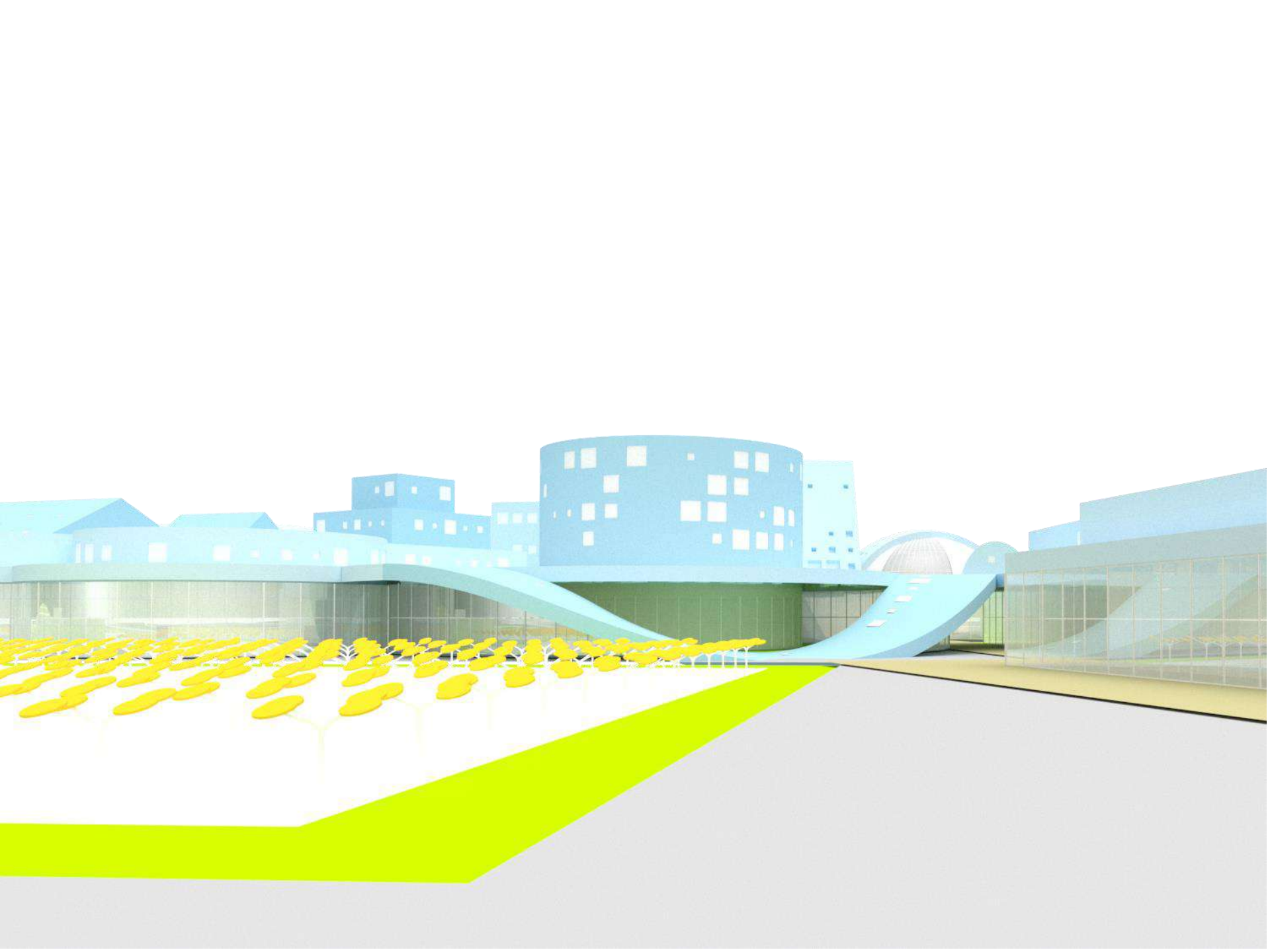


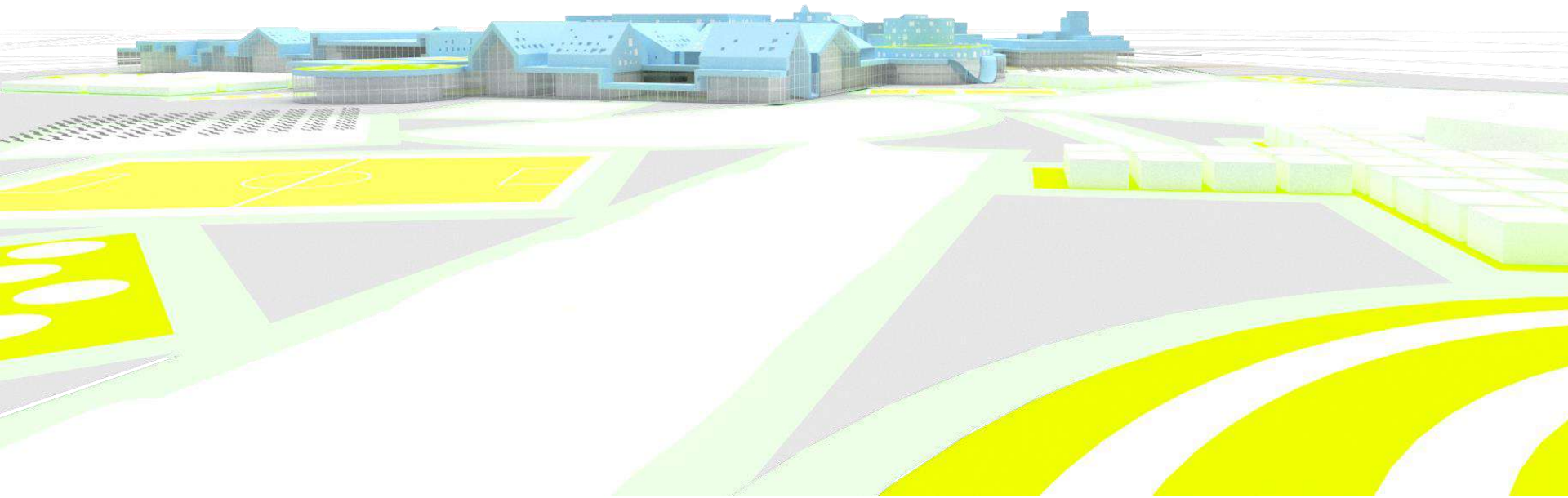


Прогулка по парку
Walking through the park

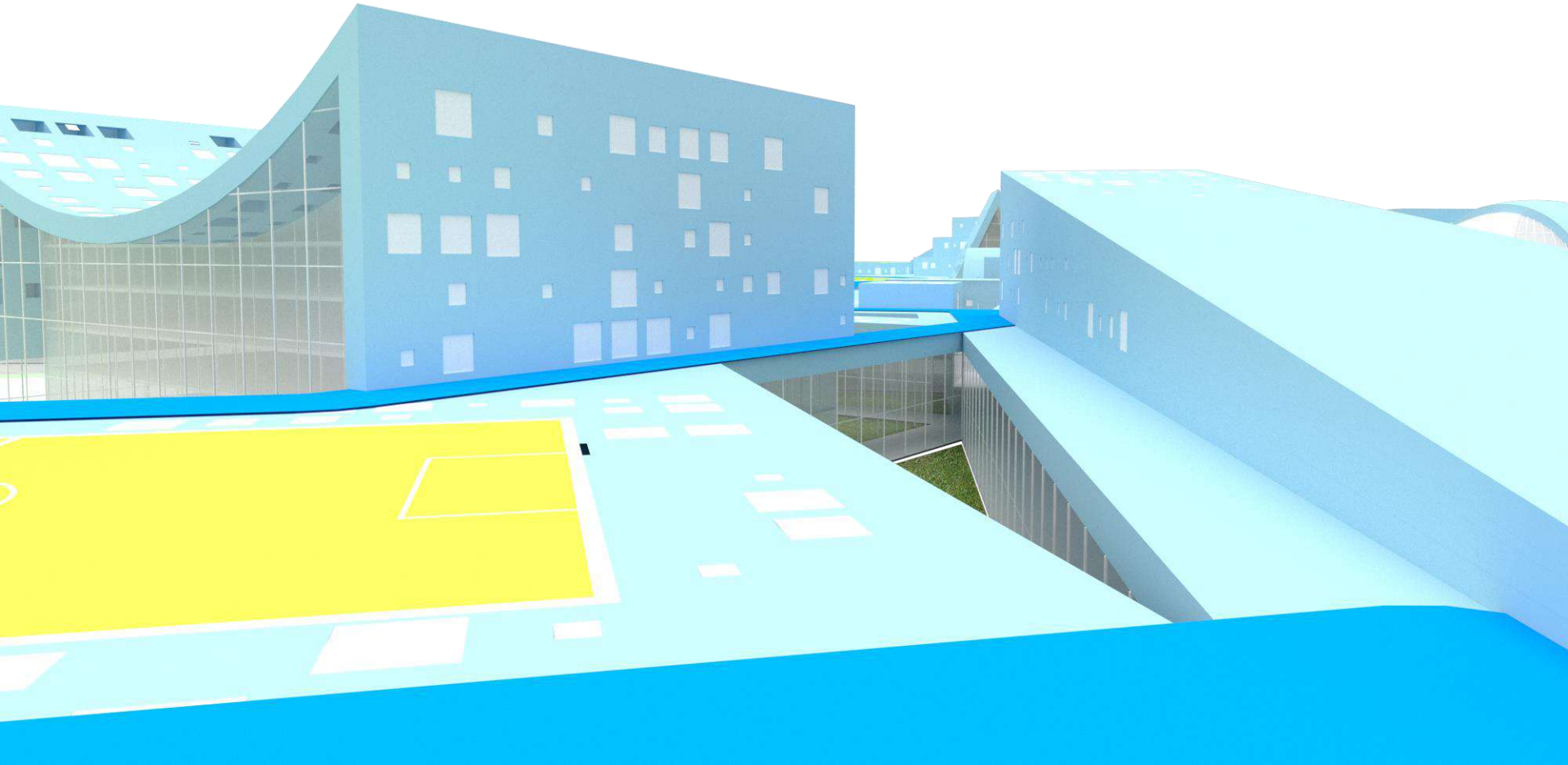


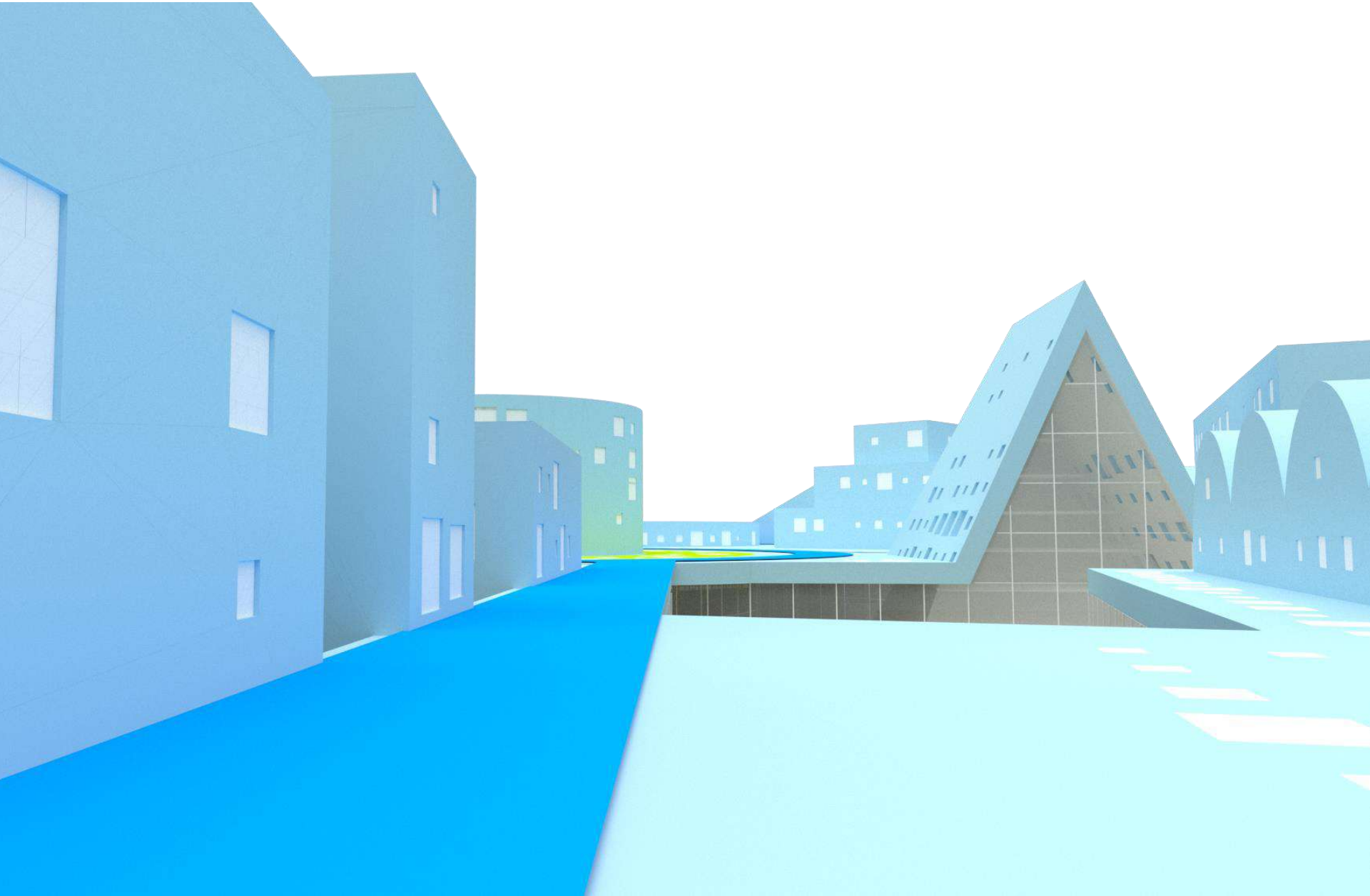


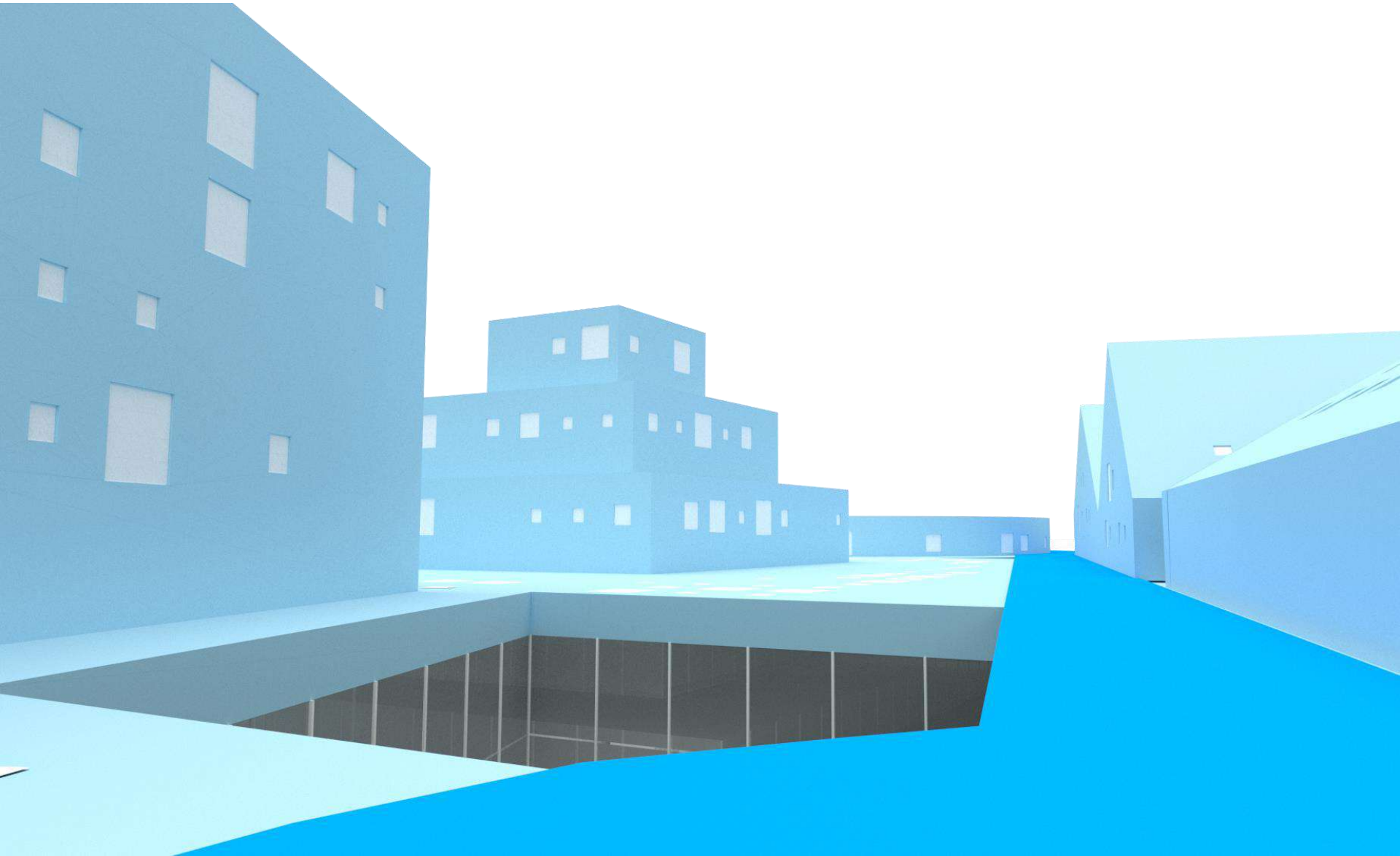


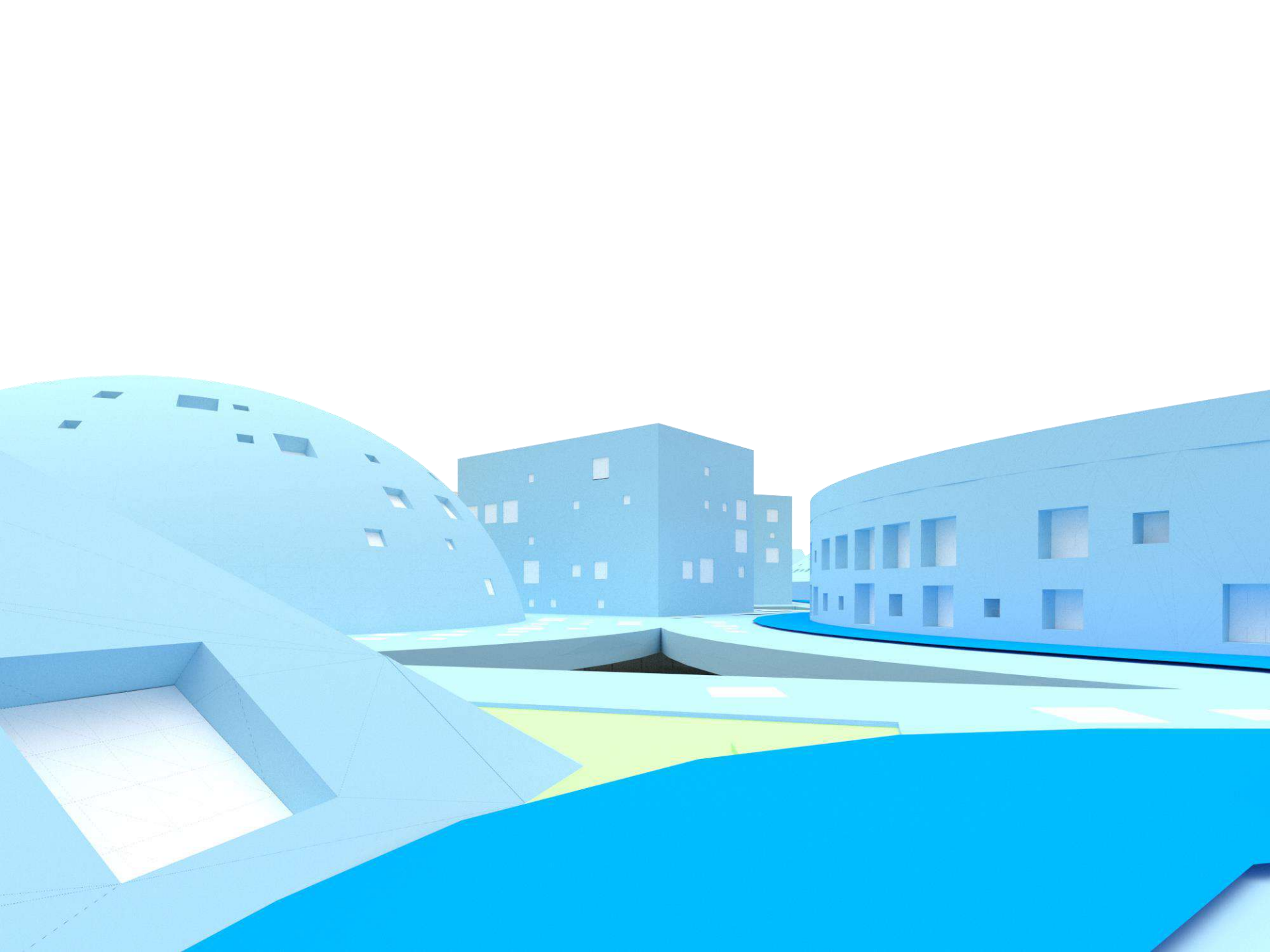


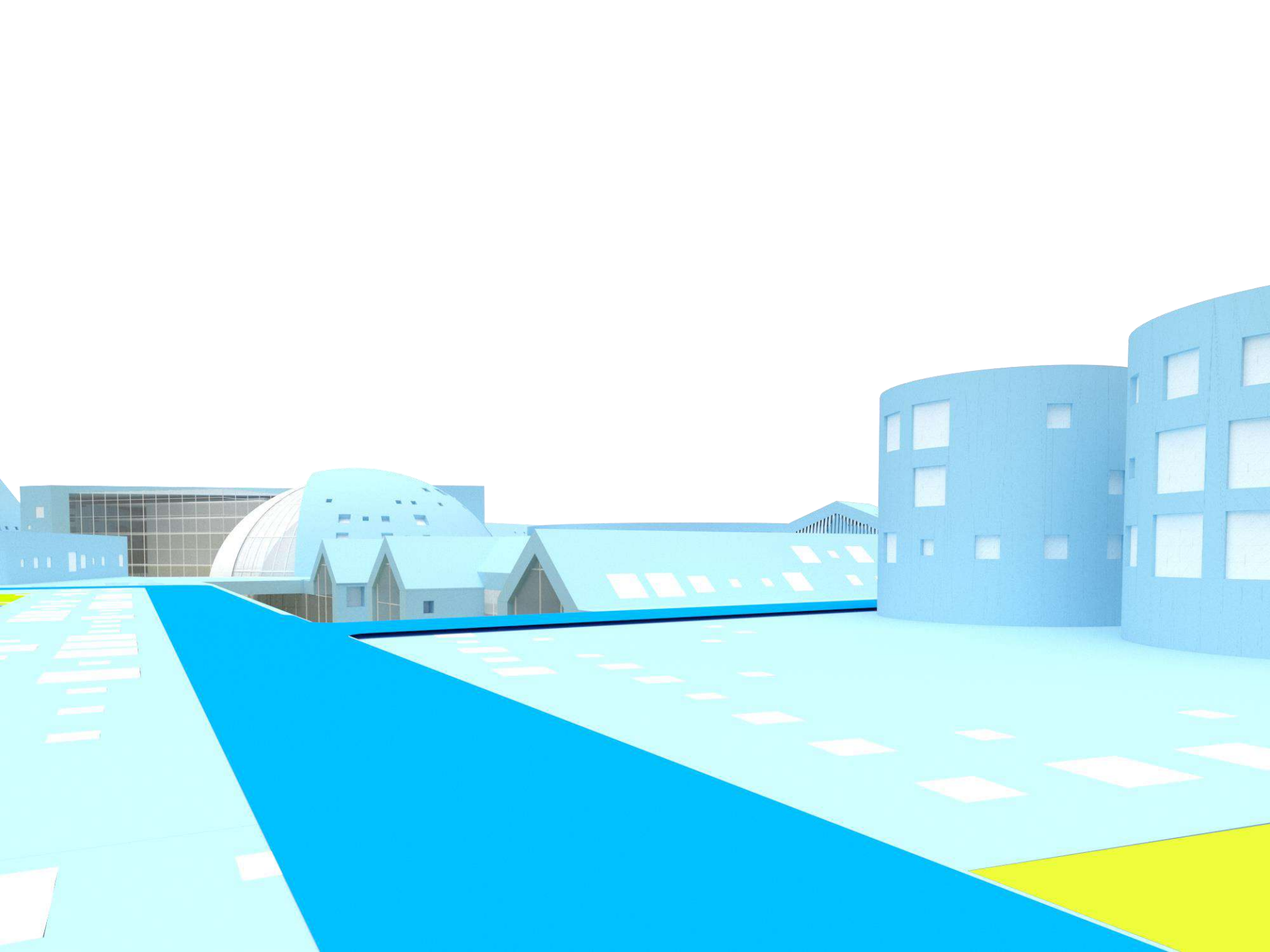
Прогулка по кровле
Walking across the rooftop track











Макет
Model

Следующий ИТМО
The Next ITMO
MVRDV
17 November 2018

MVRDV
17 November 2018

MVRDV
17 November 2018