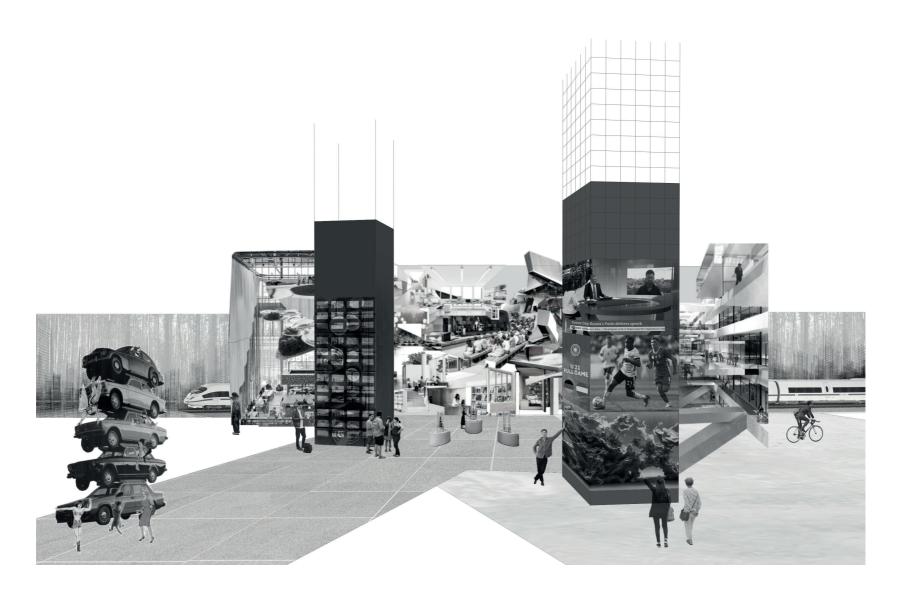


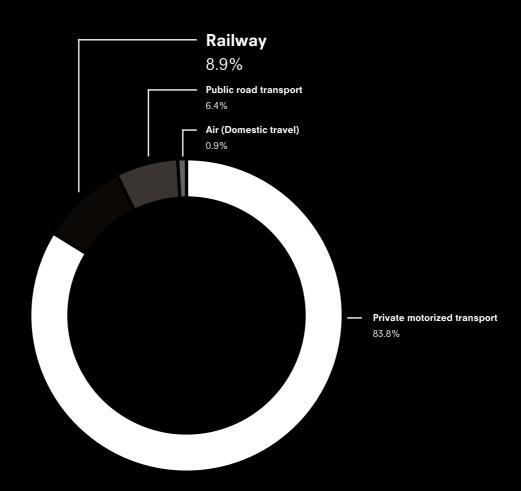
Intro

A NEW PARK AND RIDE SYSTEM



A more service and experience related approach towards train stations.

Intro COMMUTING DATA



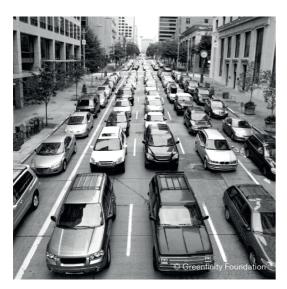
© Courtesy of Senate Department for the Environment, Transport and Climate Protection



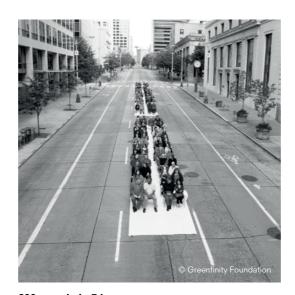


Intro

COMPACTING TRANSPORT



200 people in 177 cars



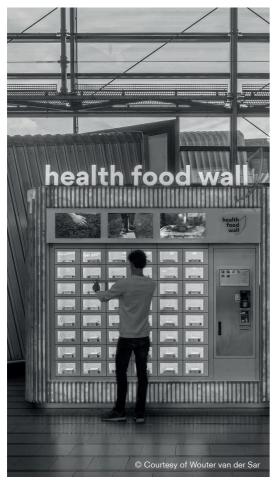
200 people in 3 buses

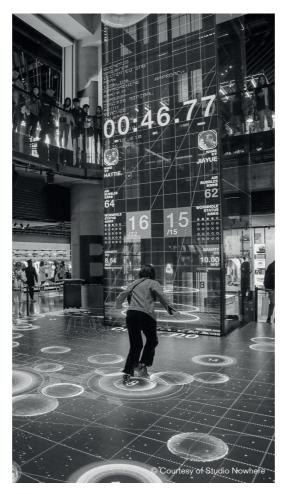


200 people in 1 light rail train

Intro

A NEW PARK-AND-RIDE SYSTEM







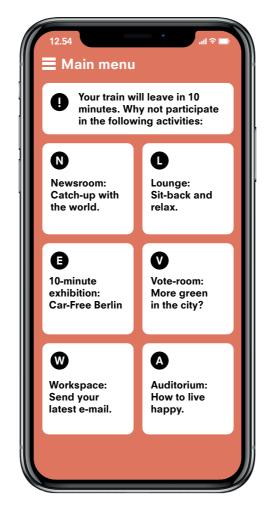
Serving

Experience

Adaptability

CREATE PERSONALISED EXPERIENCE







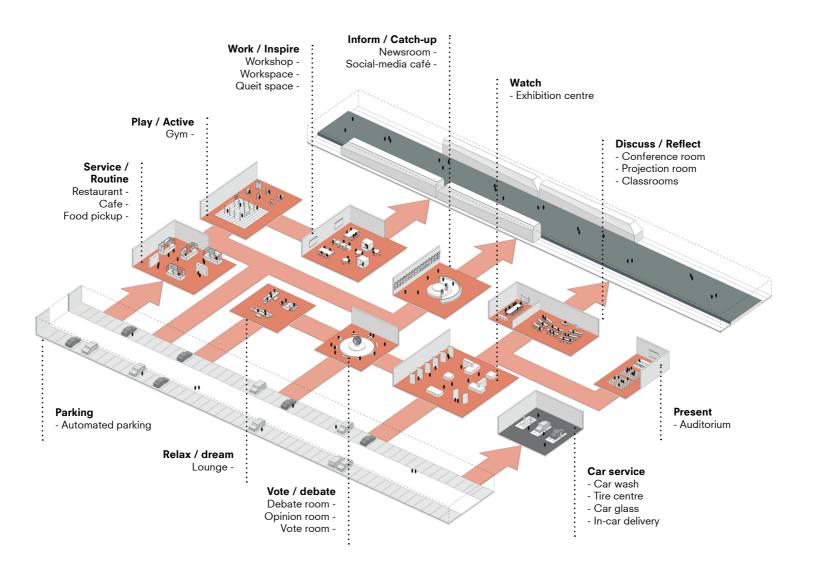
Service related

User experience

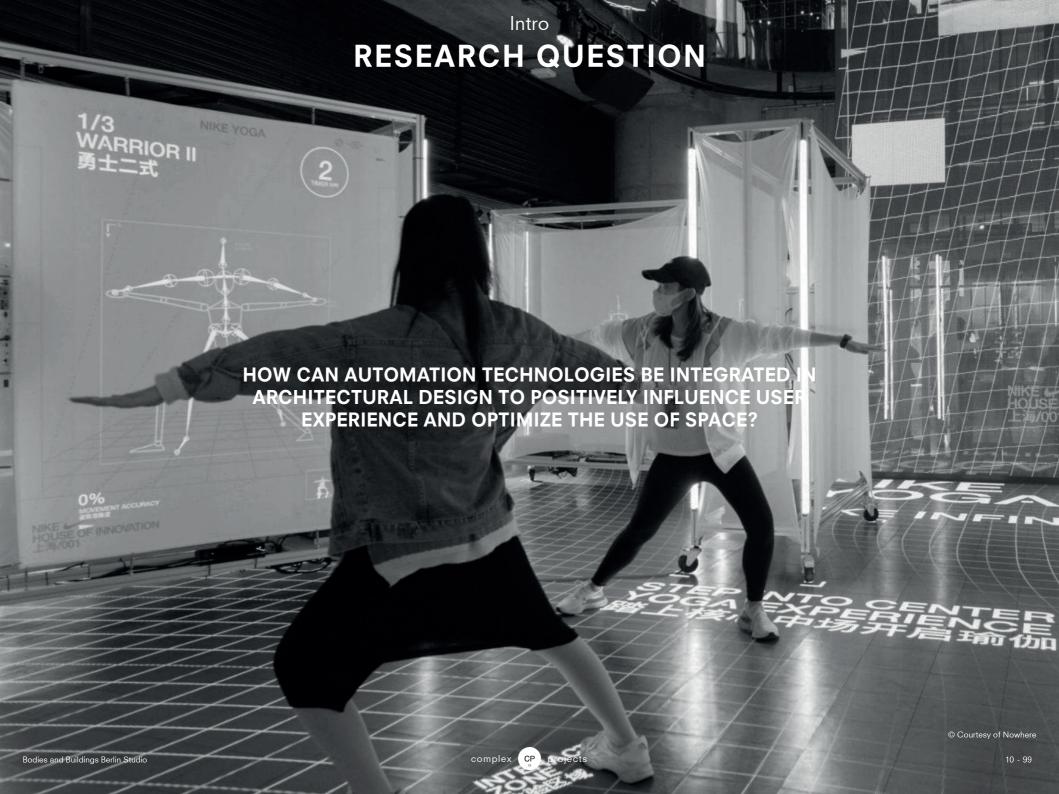
Building configuration

Intro

PERSONALISED EXPERIENCE PLATFORM

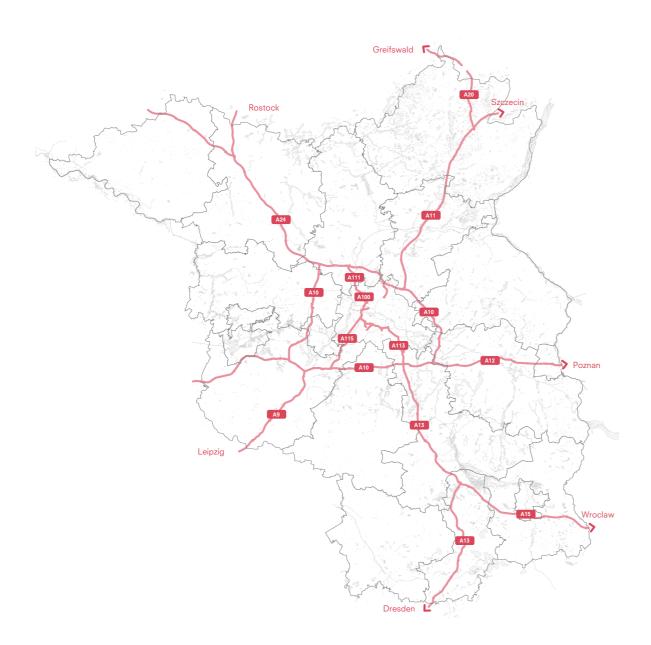


9 - 99



DESIGN BRIEF

CAR NETWORK



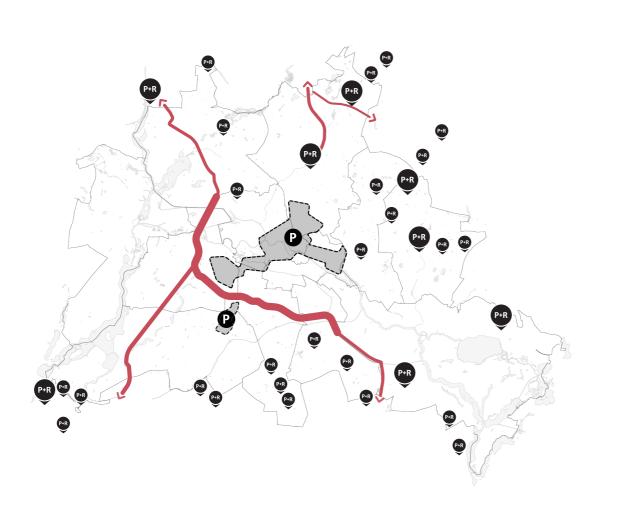
Bundesautobahn:

- Bundesautobahn 9 45.000 - 60.000
- Bundesautobahn 10 60.000 - 75.000
- Bundesautobahn 11 < 30.000
- Bundesautobahn 12 30.000 - 45.000
- Bundesautobahn 13 45.000 - 60.000
- Bundesautobahn 15 < 30.000
- Bundesautobahn 19 < 30.000
- Bundesautobahn 20 < 30.000
- Bundesautobahn 24 30.000 - 45.000

Legend:

- Motorway
- Brandenburg road network Scale 1: 400.000

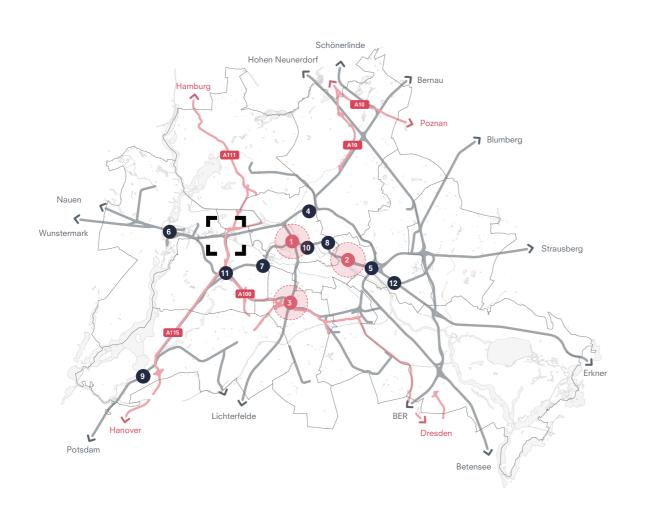
PARKING AVAILABILITY



Legend:

- 70.000 cars a day
- **50.000** cars a day
- **3**0.000 cars a day
- P+R < 100 parking spots
- < 100 parking spots</p>
- Parking
- Parking zones
- Parking and road network
 Scale 1: 400.000

TRAIN AND CAR NETWORK



Legend:

Park and ride stations

Railway stations

Road network

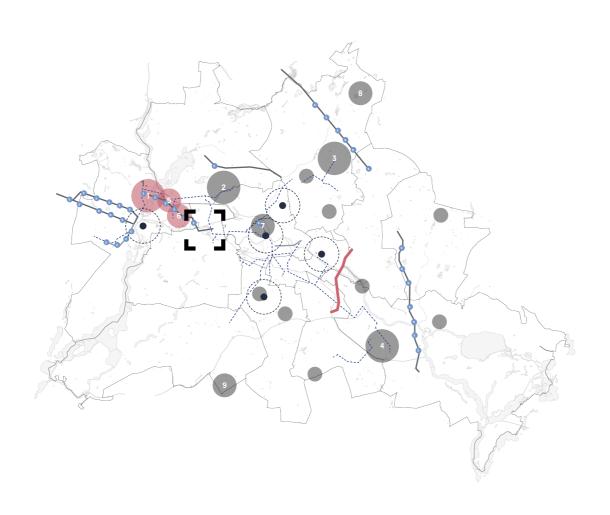
Road network

U-Bahn network

Inter modality locations

Scale 1: 400.000

URBAN DEVELOPMENT



Legend:

- New U-bahn route
- New S-bahn route
- New motorway
- -- New tram routes
- Main train stations
- S U Possible new sub stations
- City development, 2000 dwellings
- Site location
- Brandenburg rail network

Scale 1: 400.000

INFRASTRUCTURE NETWORK

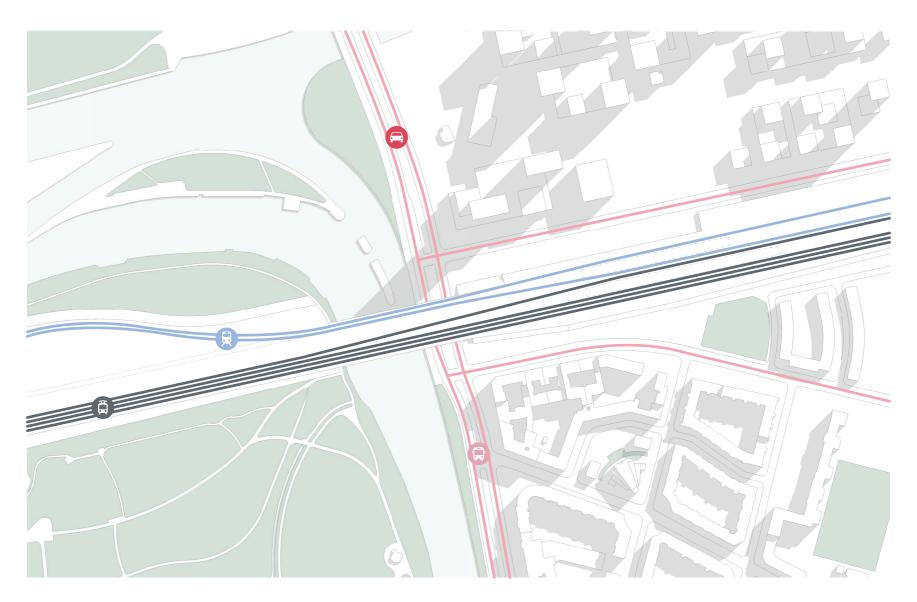


Legend:

- S-Bahn-, U-Bahn-, Train station
- Site location
- Motorway
- Primary- and secondary roads
- U-Bahn network
- S-Bahn network
- Railway
- Public transportation network

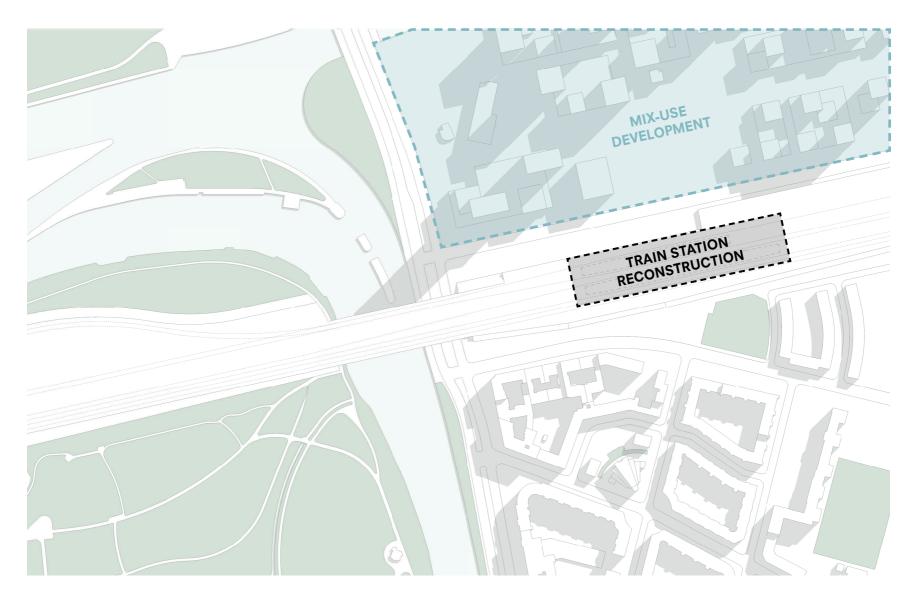
Scale 1:50.000

EXISTING INFRASTRUCTURE



Existing infrastructure connections.

REDEVELOPMENT



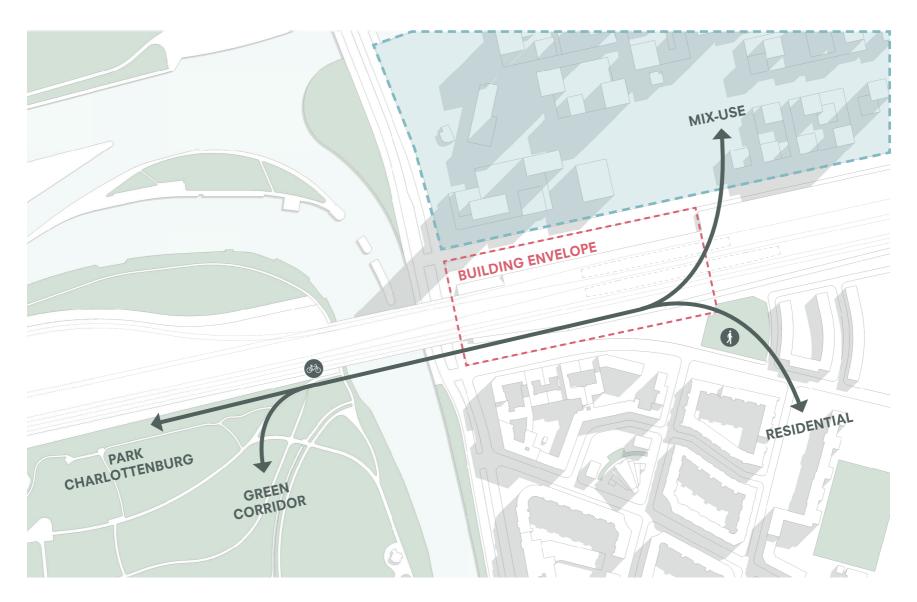
Reconstruction of the station area.

BUILDING ENVELOPE



A plot on the interconnection between urban, mobility and environment.

URBAN IMPLEMENTATION



Strengthening urban relationships.

SITE CONDITIONS





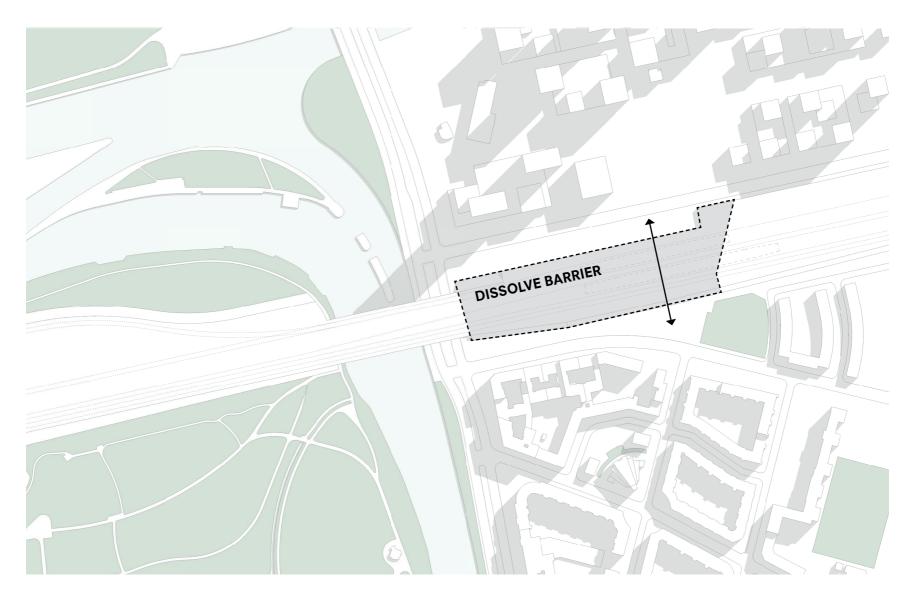


Jungfernheide



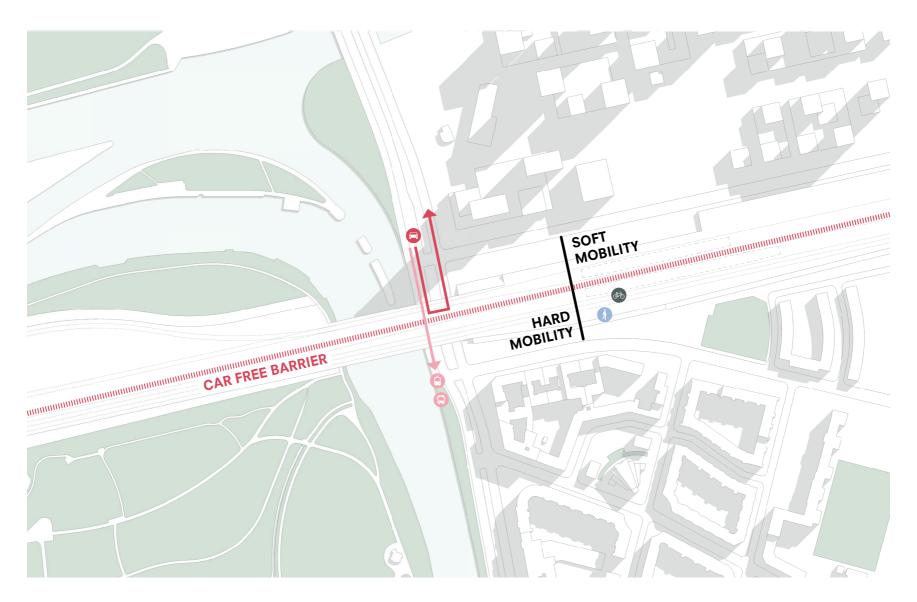
Redevelopment

SITE AMBITIONS



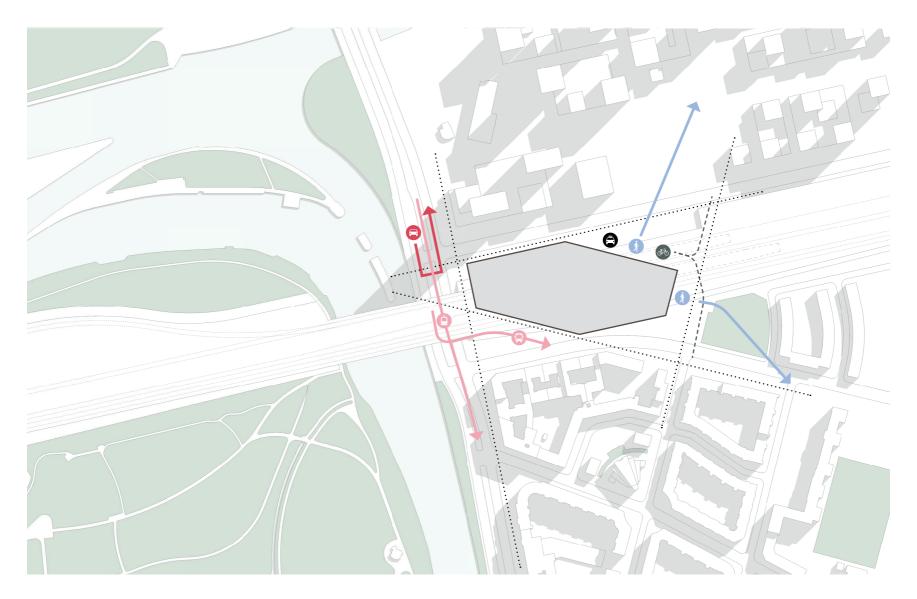
Dissolving the railway barrier.

SITE AMBITIONS



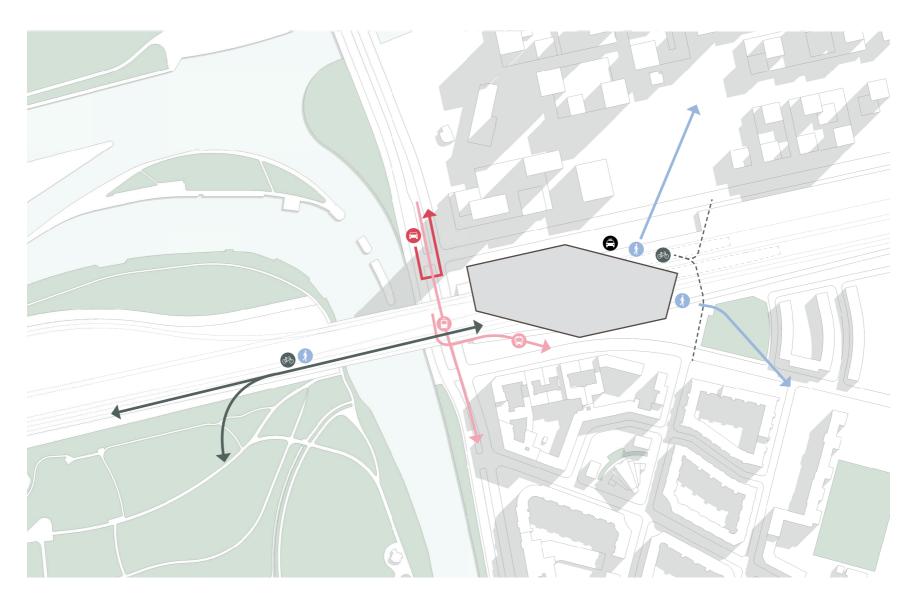
Using the station as a separator.

SITE AMBITIONS



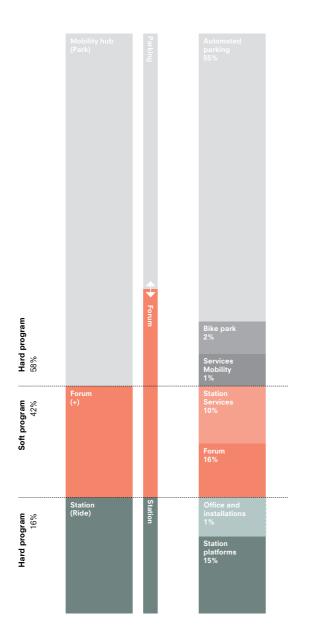
Organised and shaped by its surroundings.

SITE AMBITIONS



Underground rail and existing bridge as a green corridor.

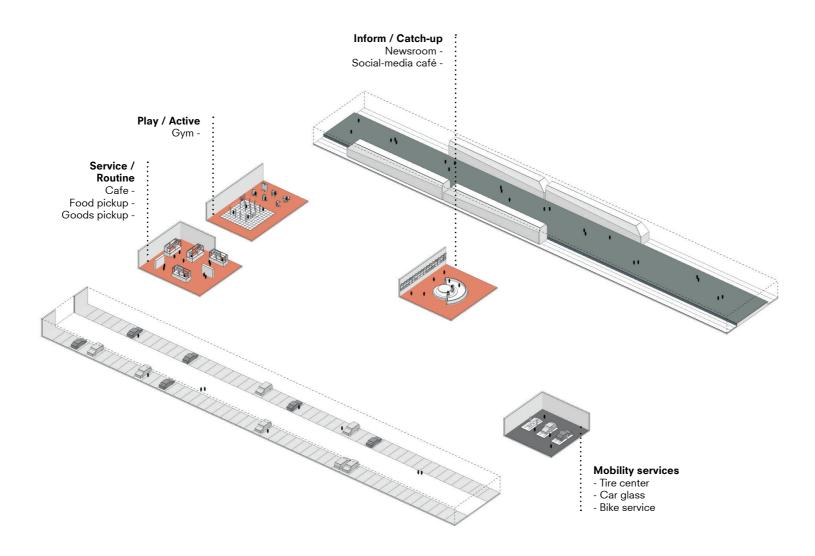
PROGRAM BREAKDOWN





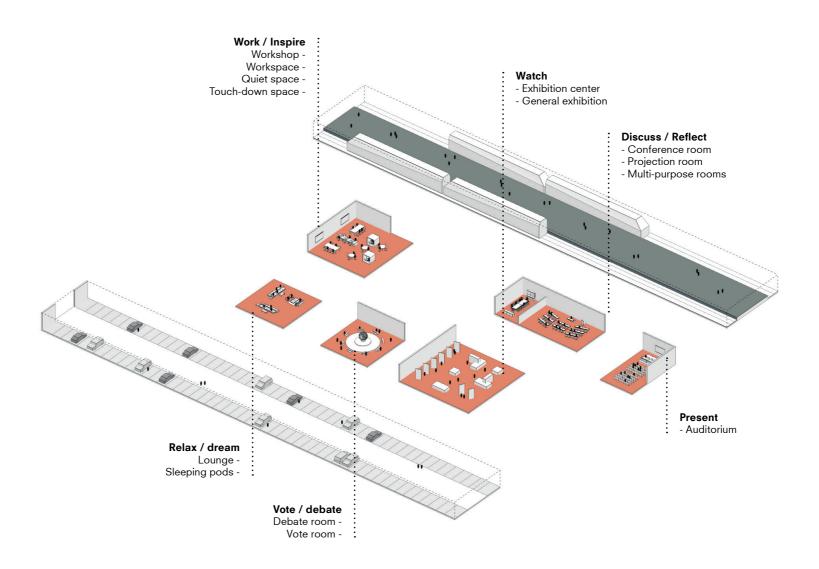


SERVICE RELATED



Shortening transition times.

EXPERIENCE RELATED



Adding functional commuter services.

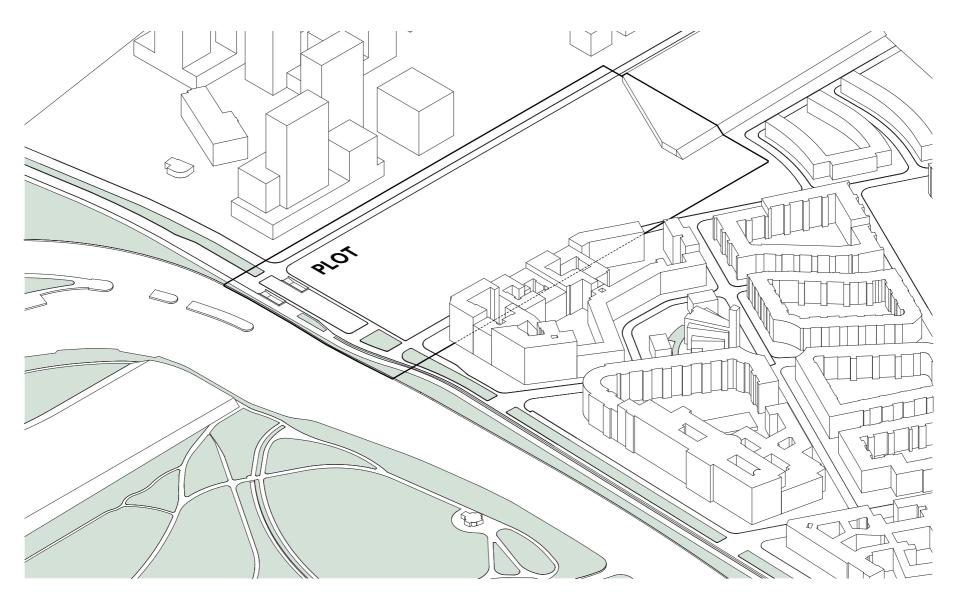
PROGRAM RELATIONS



The program is organised on time spent at the station.

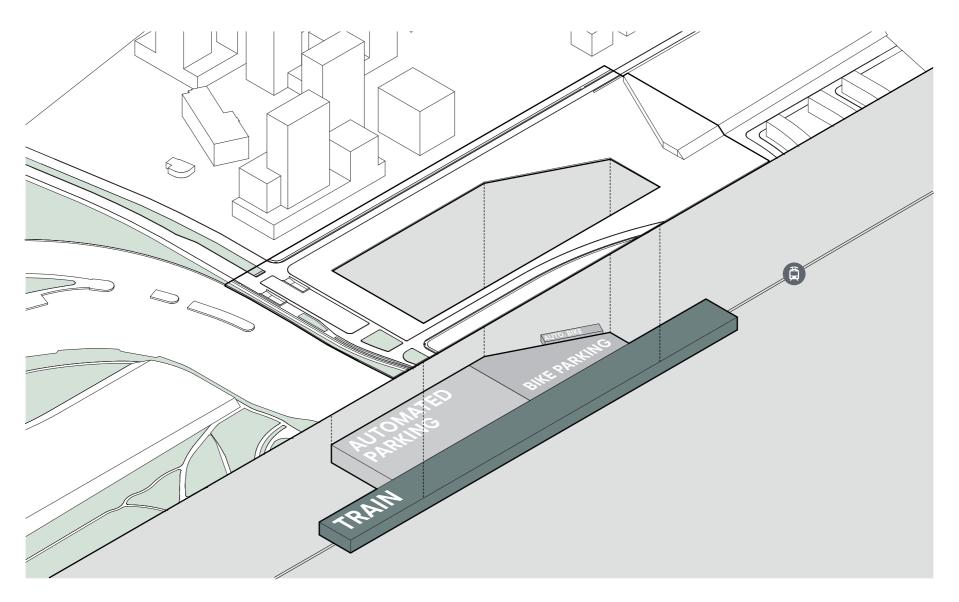
CONCEPT

BUILDING CONCEPT



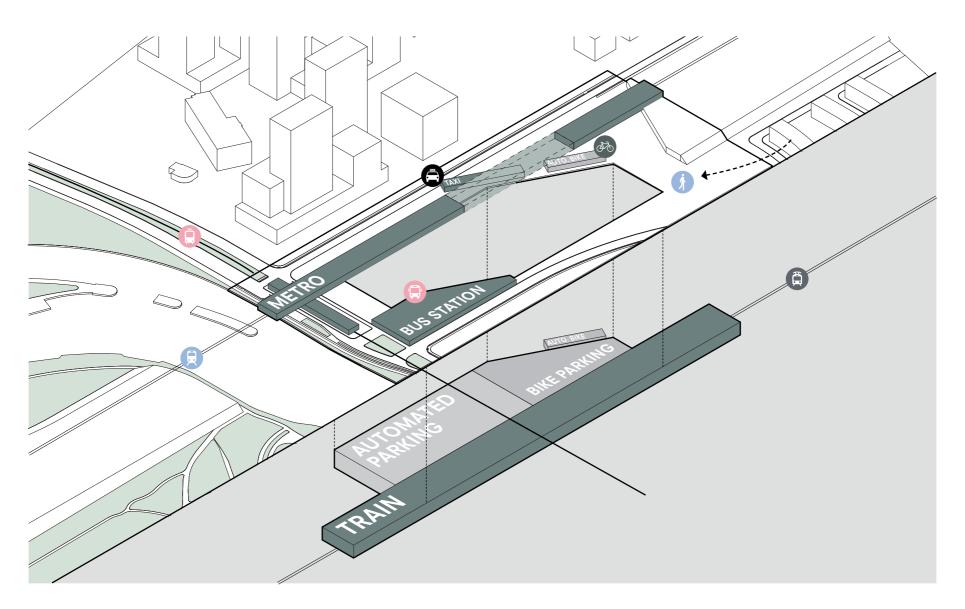
Building plot.

BUILDING CONCEPT



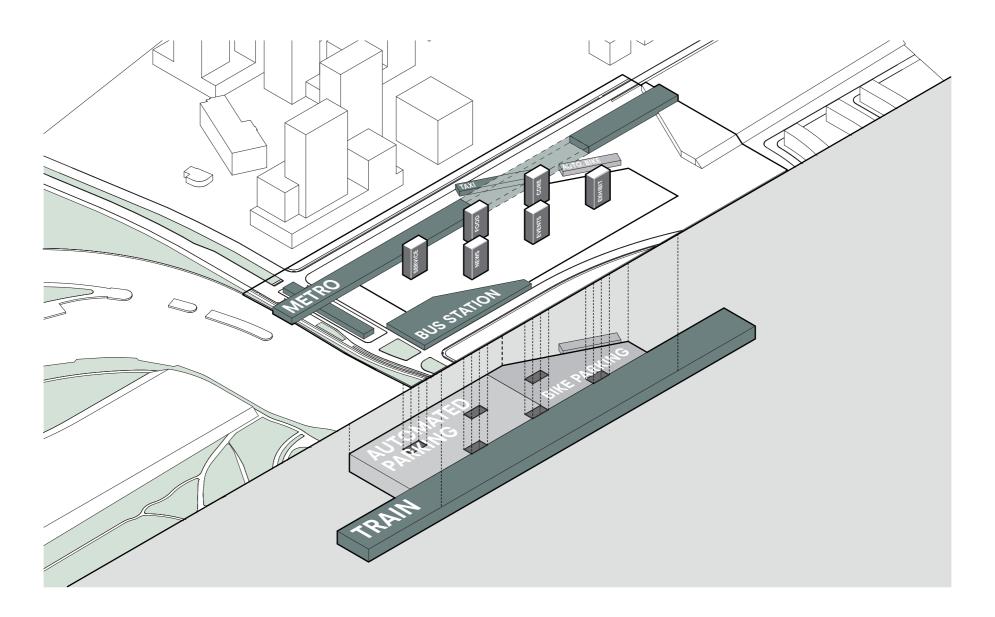
Hiding the hard infrastructure on site.

BUILDING CONCEPT



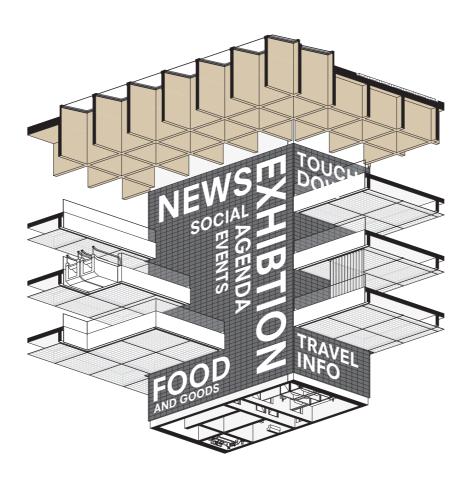
Other modes of transportation are placed around the central building zone.

BUILDING CONCEPT



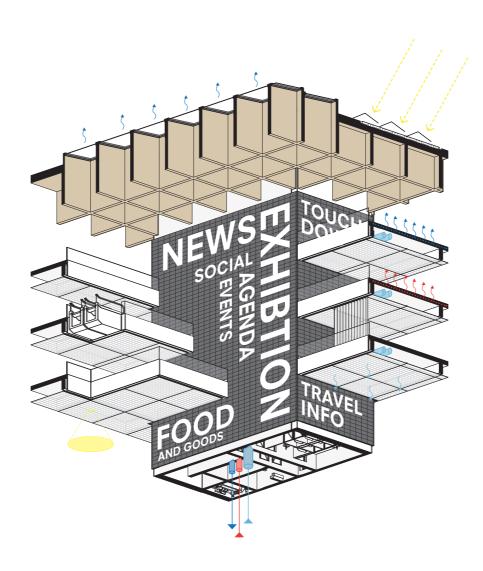
Building service cores are placed in the middle of the plot.

SERVICE CORE



Service core is a way of showing and serving the user throughout their journey.

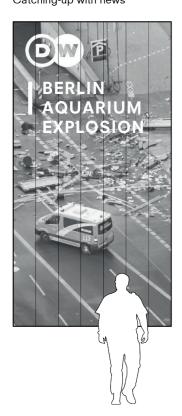
CLIMATE SYSTEM



But also integrates most climate and technical systems in one system.

LED SCREEN INTERACTION

Catch-upCatching-up with news



ServiceDaily-routine

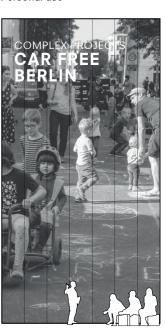


EventDisplay events



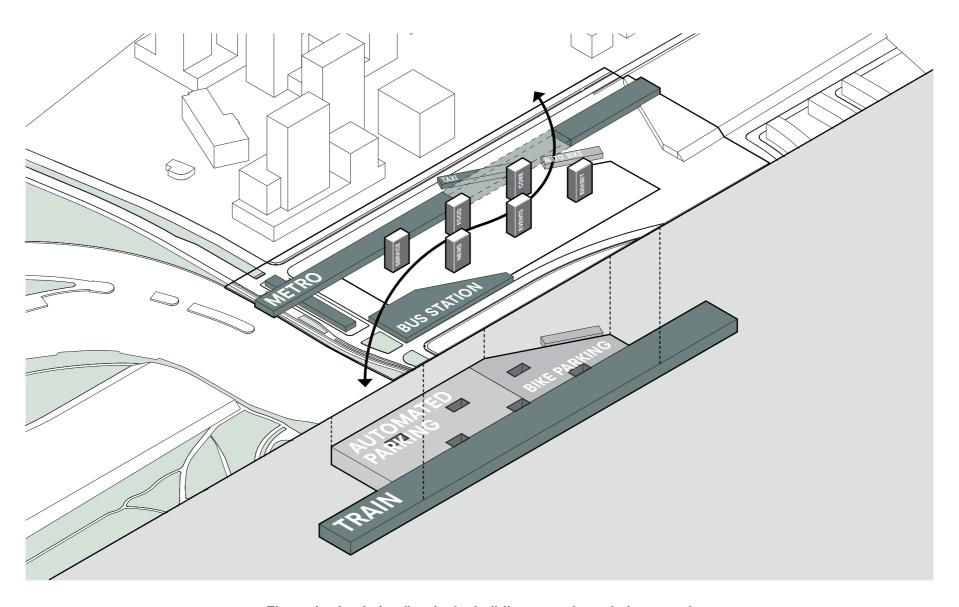
Presentation

Personal use



The core can serve the user by catching up, personal use, events and daily routine service.

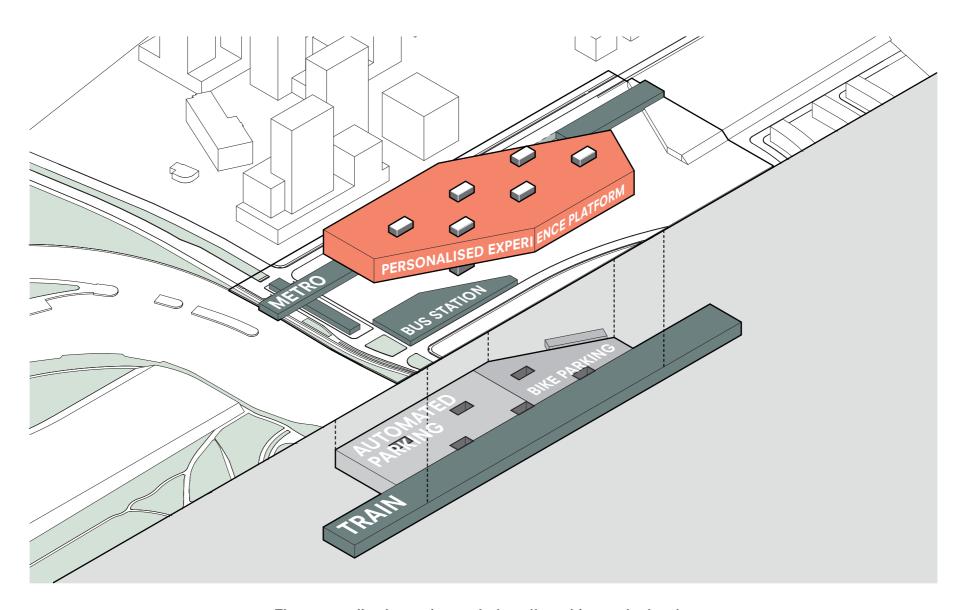
BUILDING CONCEPT



The main circulation flow in the building goes through the central zone between the service cores.

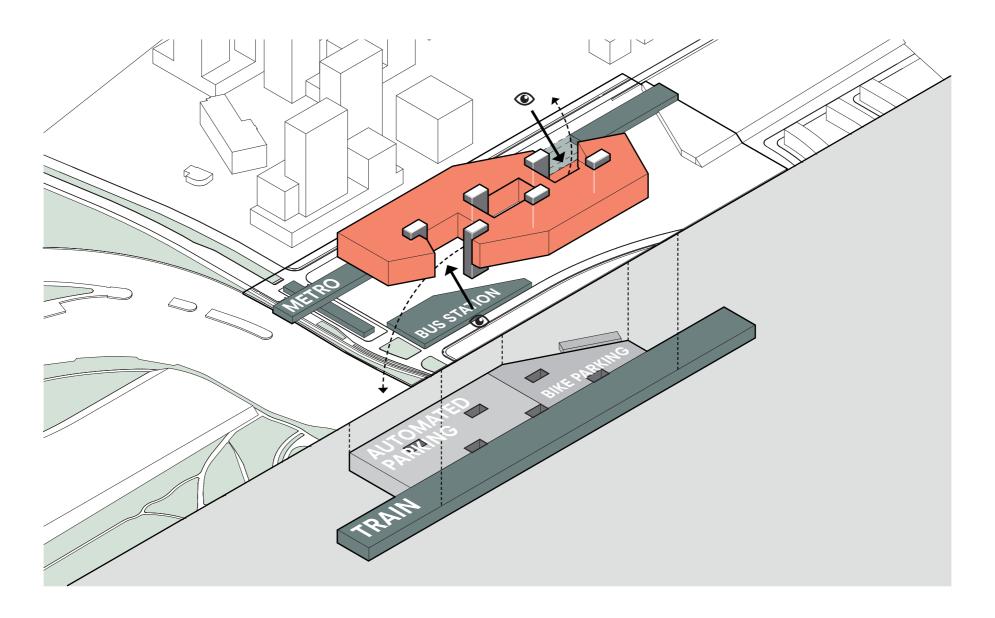
Bodies and Buildings Berlin Studio

BUILDING CONCEPT



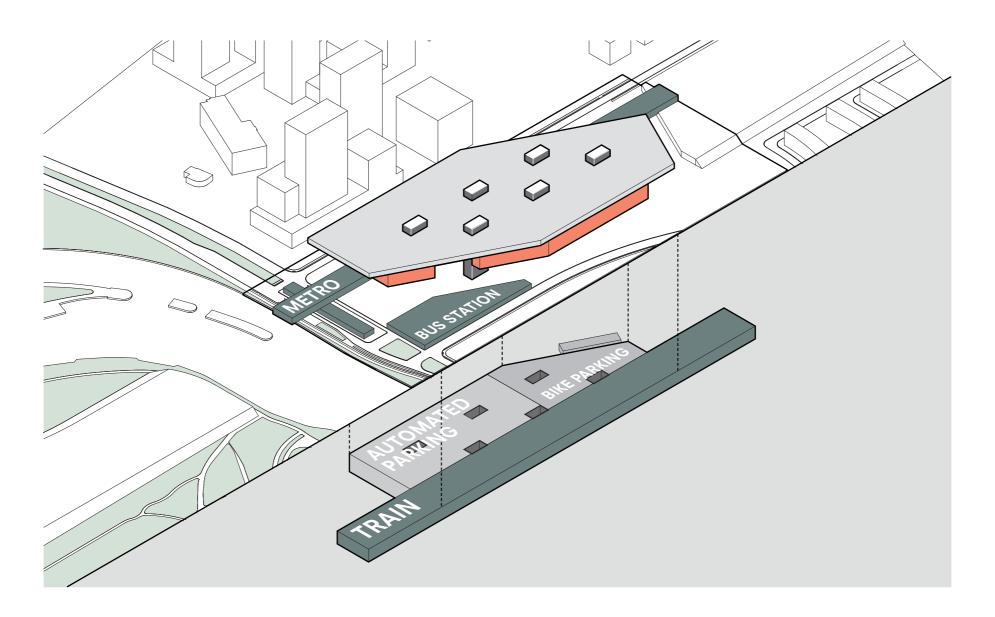
The personalised experience platform (forum) is attached to the service cores.

BUILDING CONCEPT



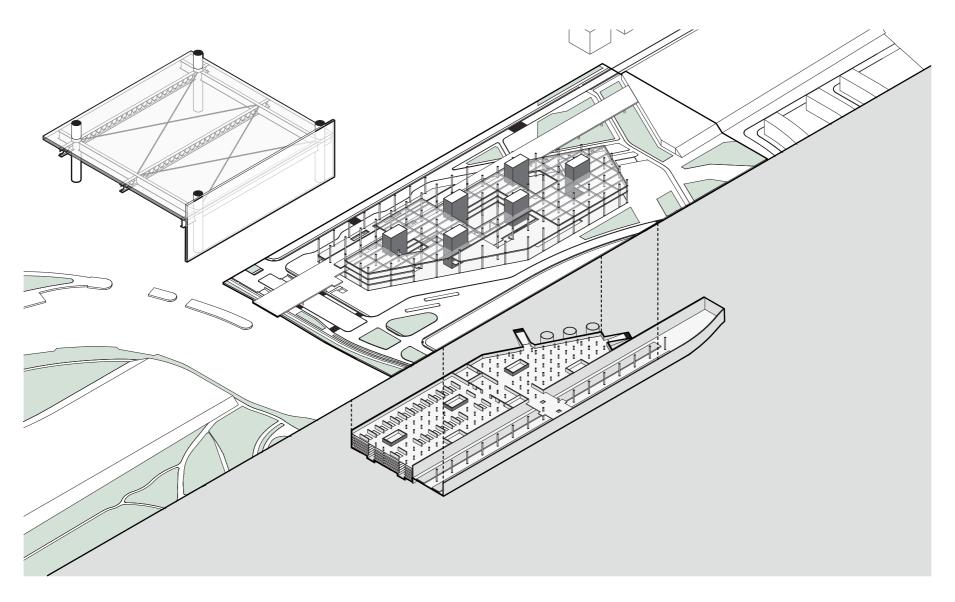
The forum is cut open to have a view of the service cores.

BUILDING CONCEPT



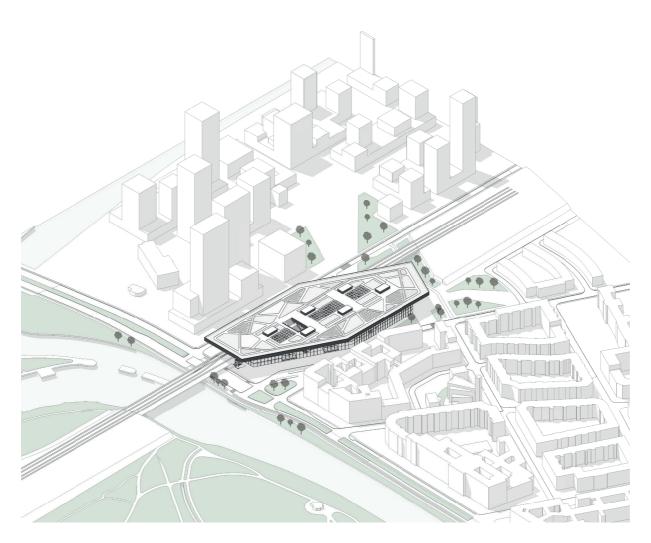
All is covered underneath one roof.

STRUCTURAL CONCEPT



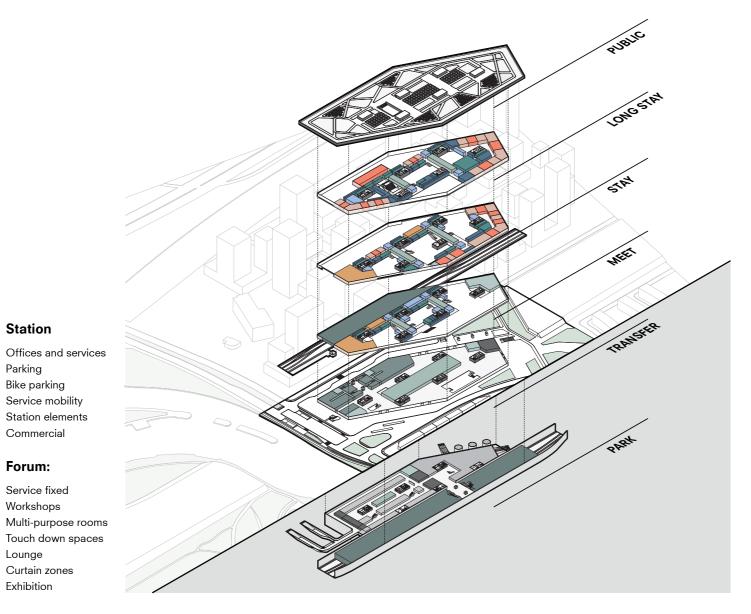
The structural concept is based on a 14.4 by 14.4 grid. Allowing maximum flexibility and making the service cores standalone.

BUILDING OVERVIEW



Which resulted in this building.

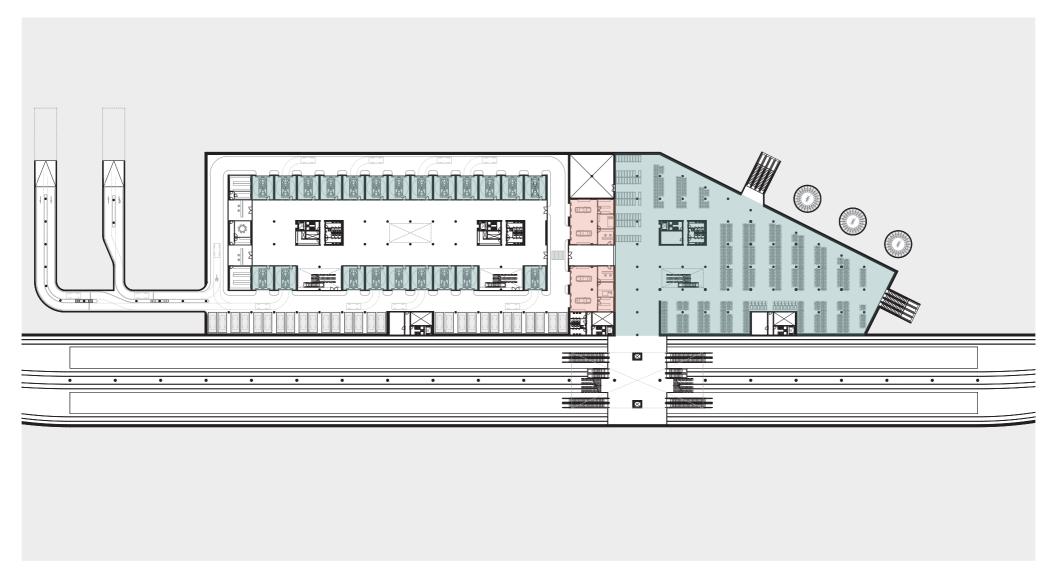
BUILDING ORGANISATION



Program placement based on time spent in the building.

DESIGN

BASEMENT

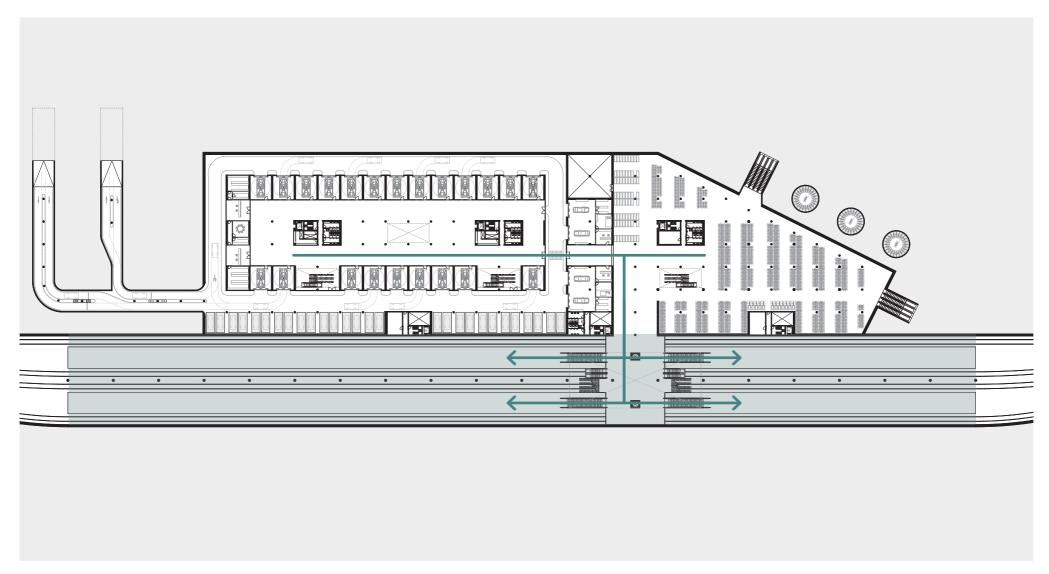


Bike and car oriented services.

CAR DROP-OFF

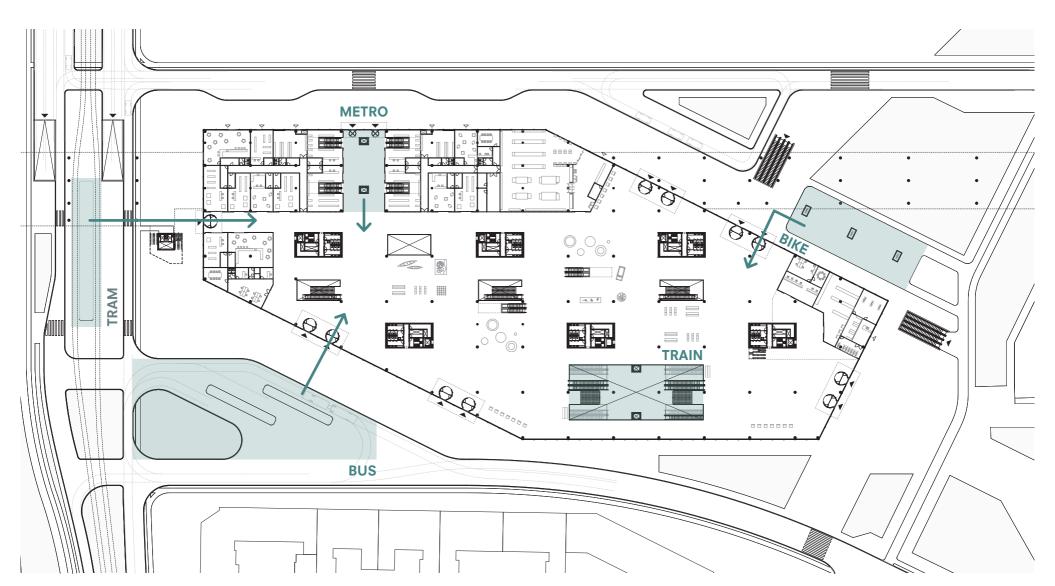


BASEMENT



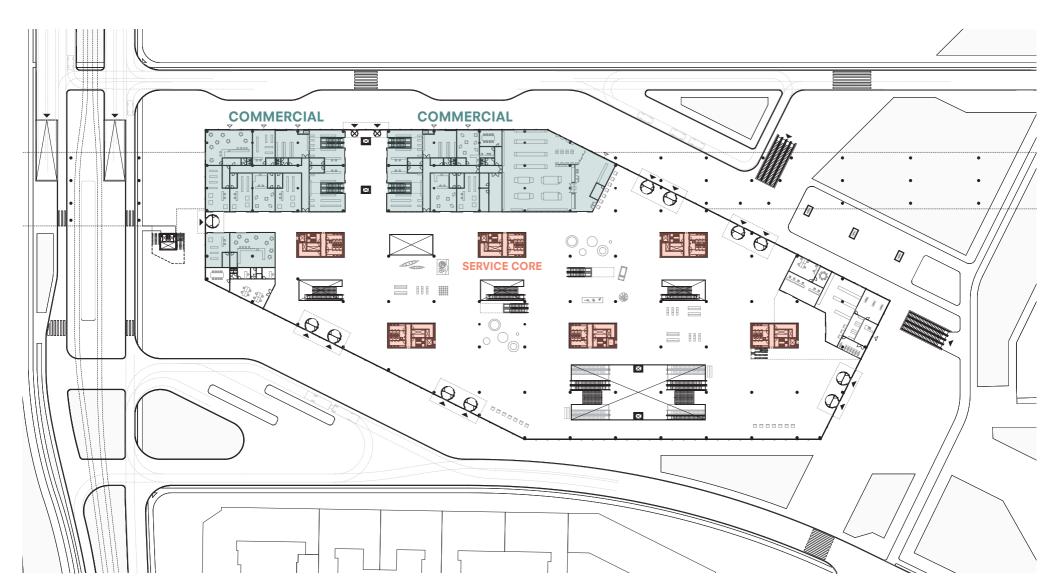
Directly connected to train station.

GROUND FLOOR



Oriented on switching modes of transportation.

GROUND FLOOR

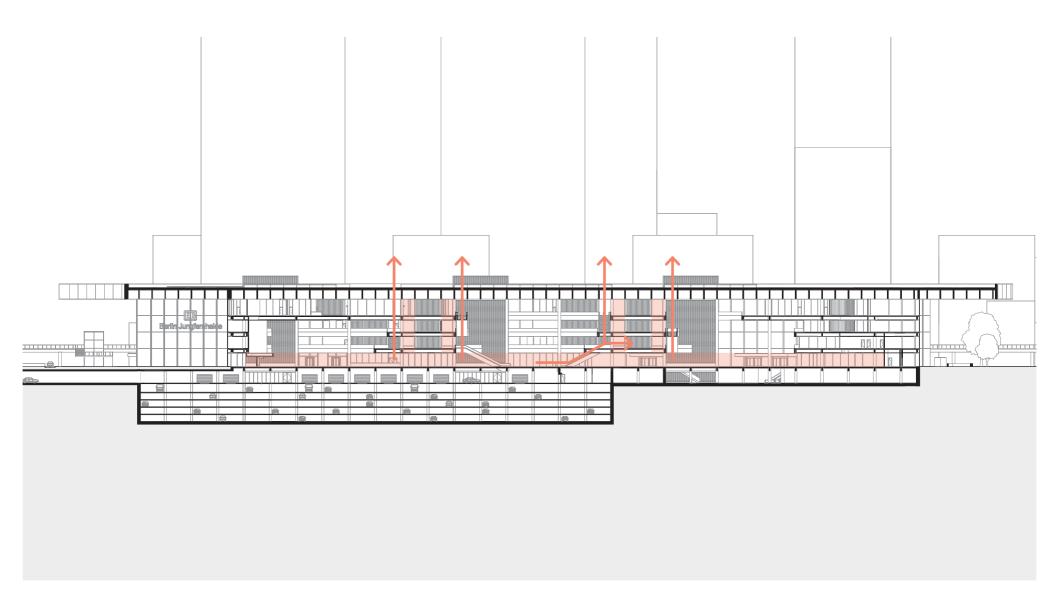


Big station hall with service related amenities.

SERVICE CORE

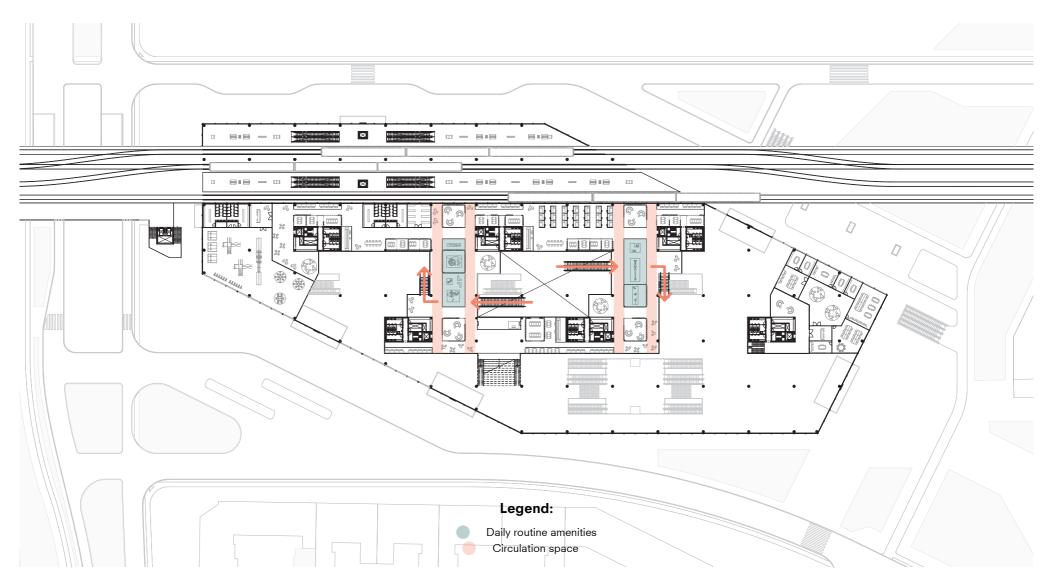


LONGITUDINAL SECTION



Main circulation space

FIRST FLOOR

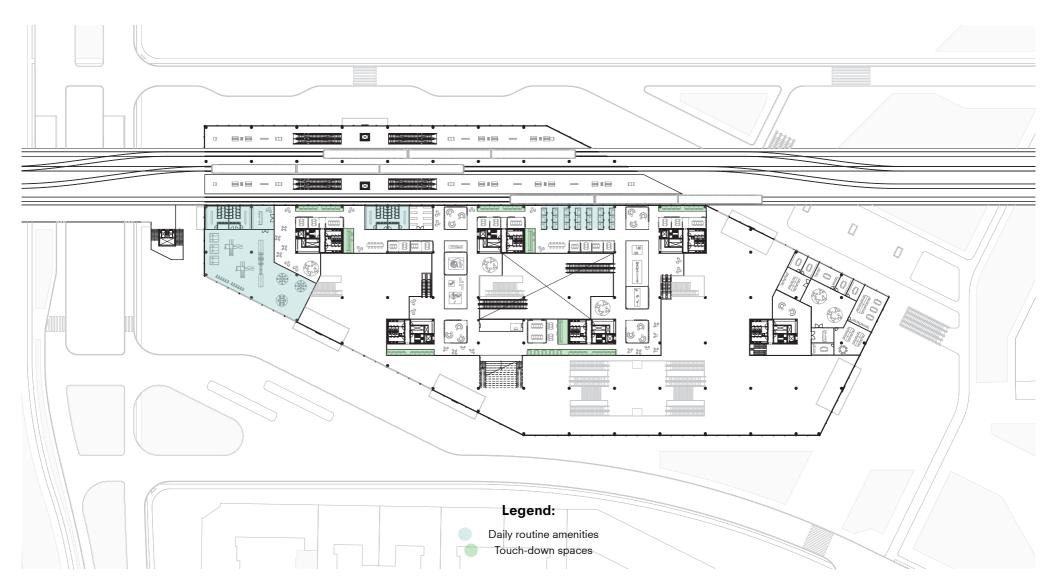


Exhibition zones adjacent to main circulation

EXHIBITION ZONE

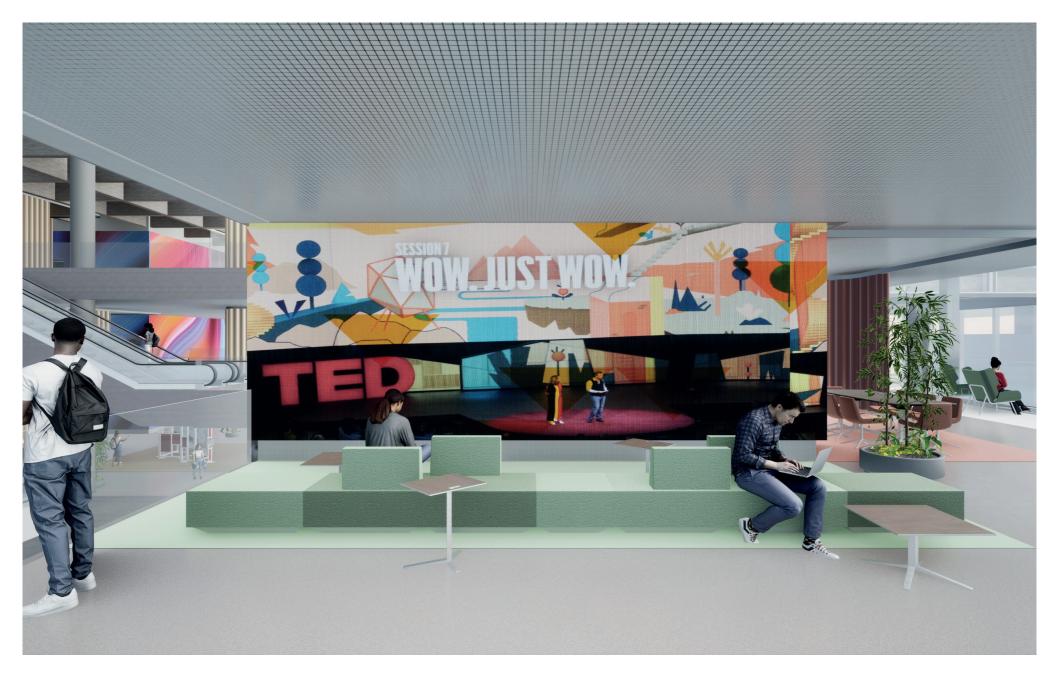


FIRST FLOOR

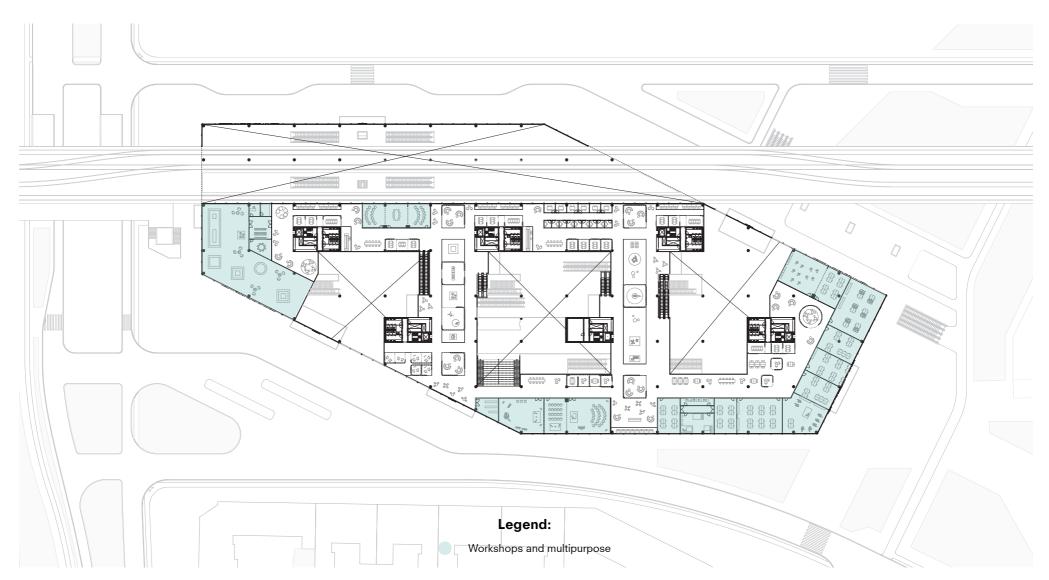


Short stay lounge and working spaces. Contains also daily routine amenities.

TOUCH DOWN SPACE

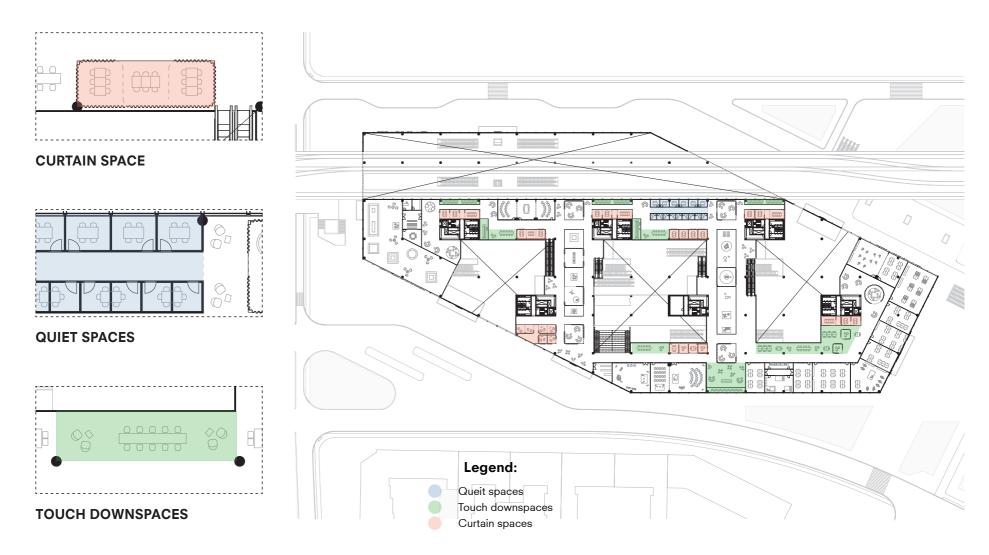


SECOND FLOOR



Fixed spaces placed adjacent to the buildings facade.

SECOND FLOOR

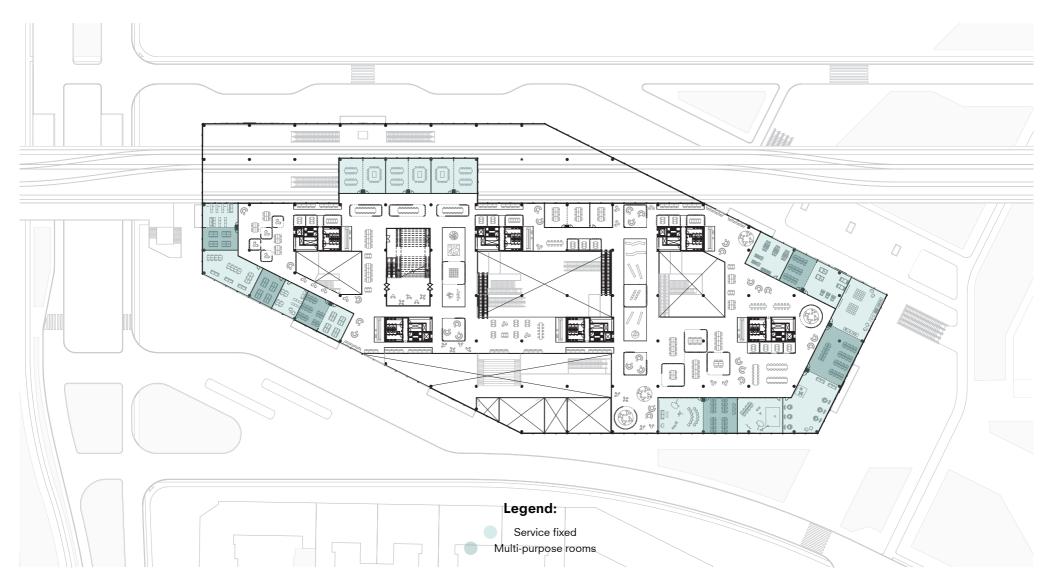


Workspaces fill-up the building.

CURTAIN ZONE

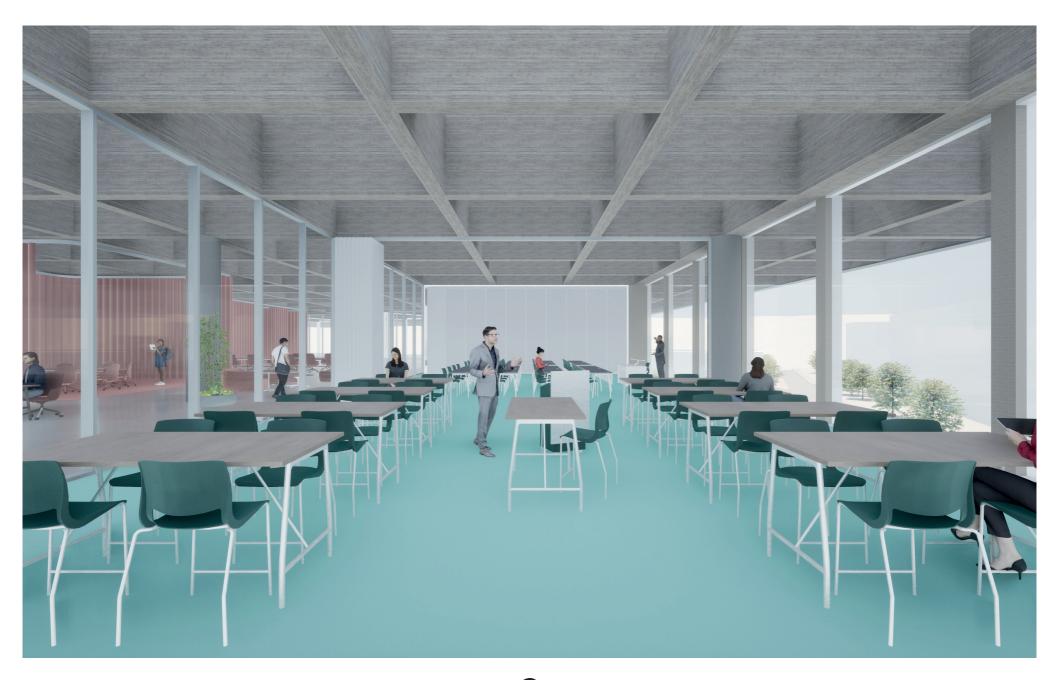


THIRD FLOOR

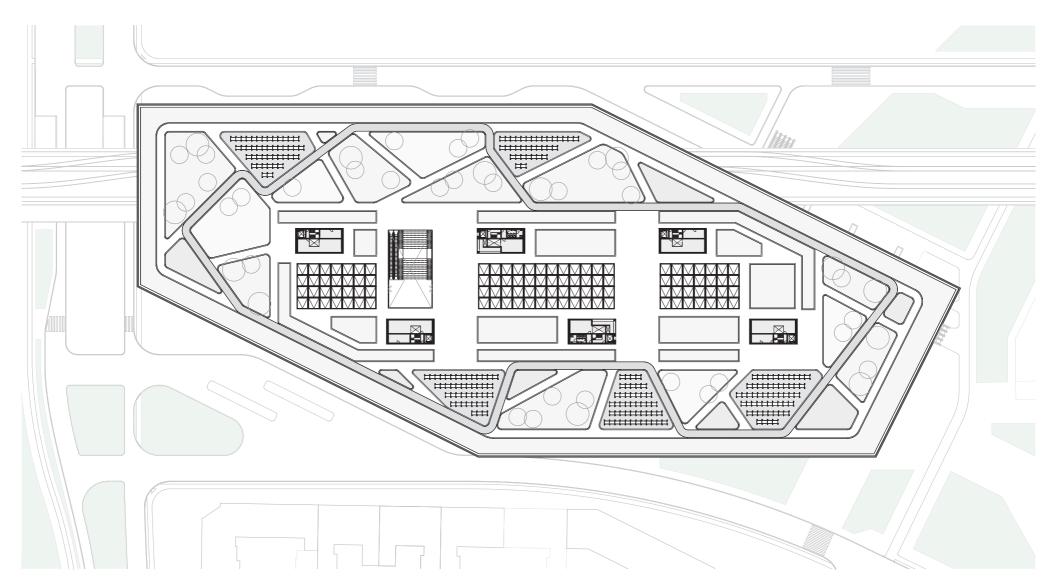


Workshop and long stay oriented formal character of actives.

WORKSHOP SPACE



ROOF



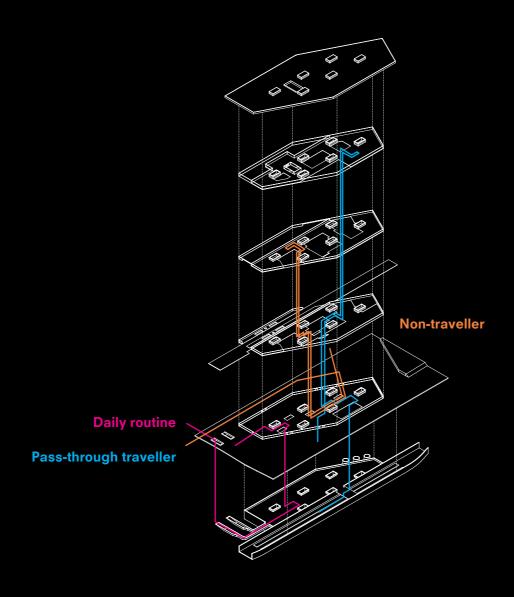
Public accessible roof for the neighbourhood or to relax during travel.

Bodies and Buildings Berlin Studio

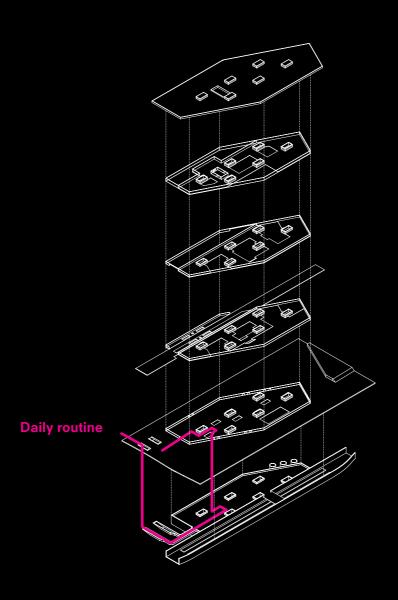
ROOF TERRACE



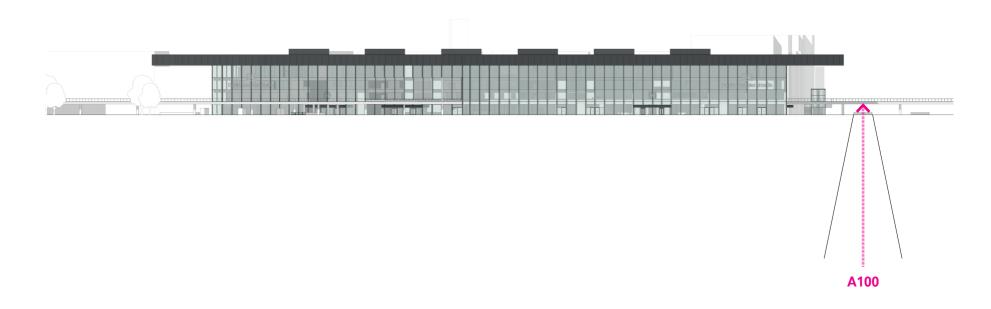
TRAVEL PERSPECTIVES



TRAVEL PERSPECTIVES

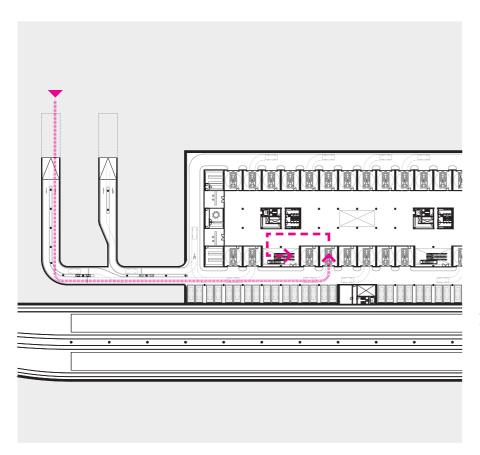


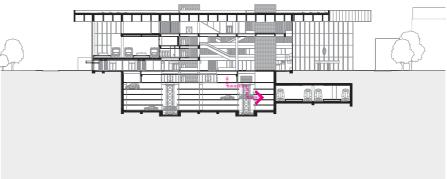
DAILY ROUTINE TRAVELLER



The daily routine traveller arrives at the station after exiting the A100 highway...

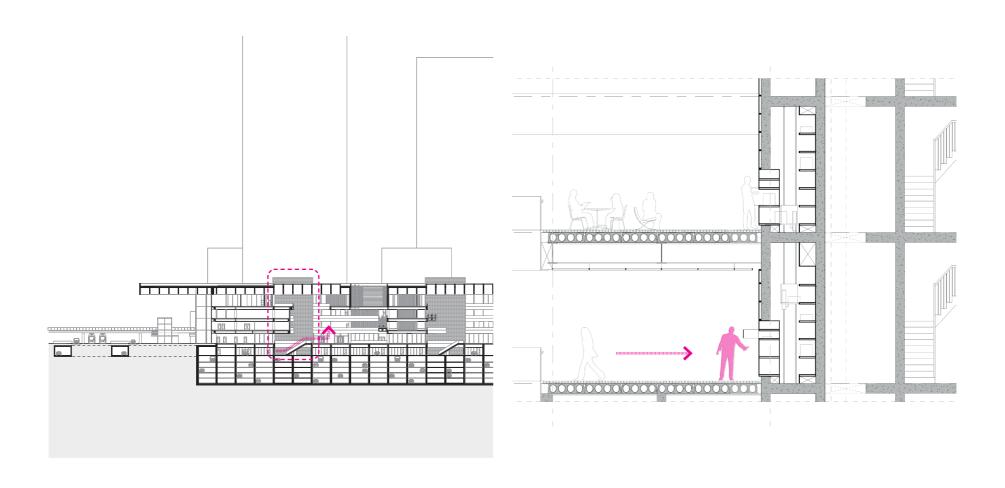
DAILY ROUTINE TRAVELLER





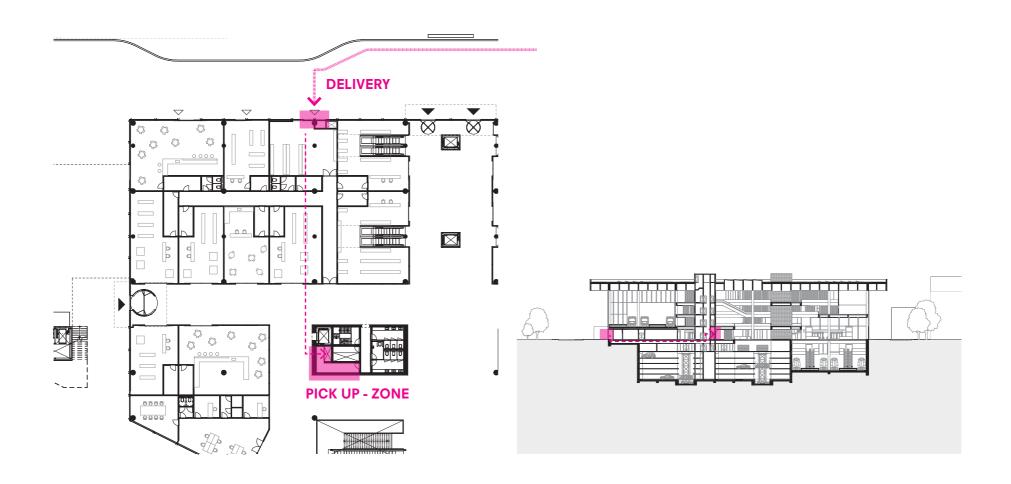
The automated parking facility takes over parking operations and allows cars to be used as a mode of transportation for other users...

DAILY ROUTINE TRAVELLER



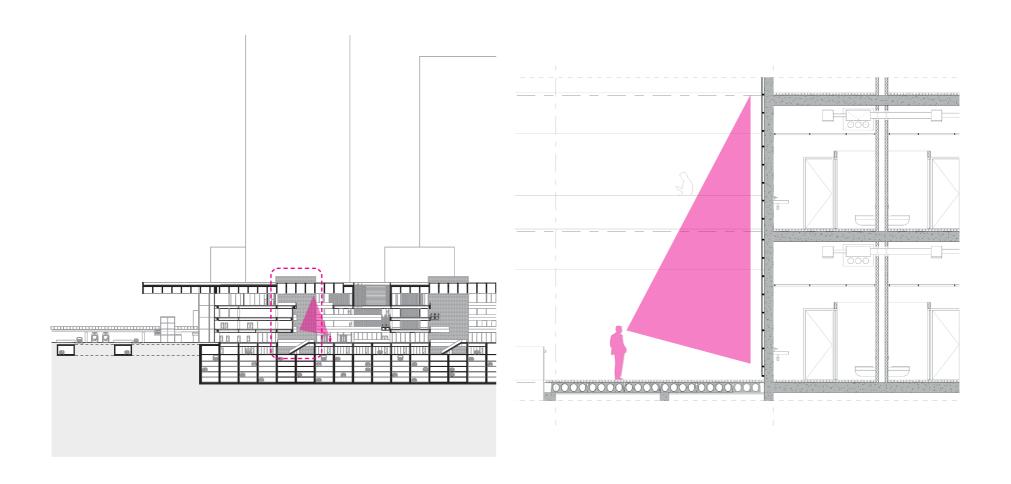
After leaving the parking level the traveller walks towards one of the building service cores. Here he picks up his breakfast which was delivered based on his time of arrival...

DAILY ROUTINE TRAVELLER



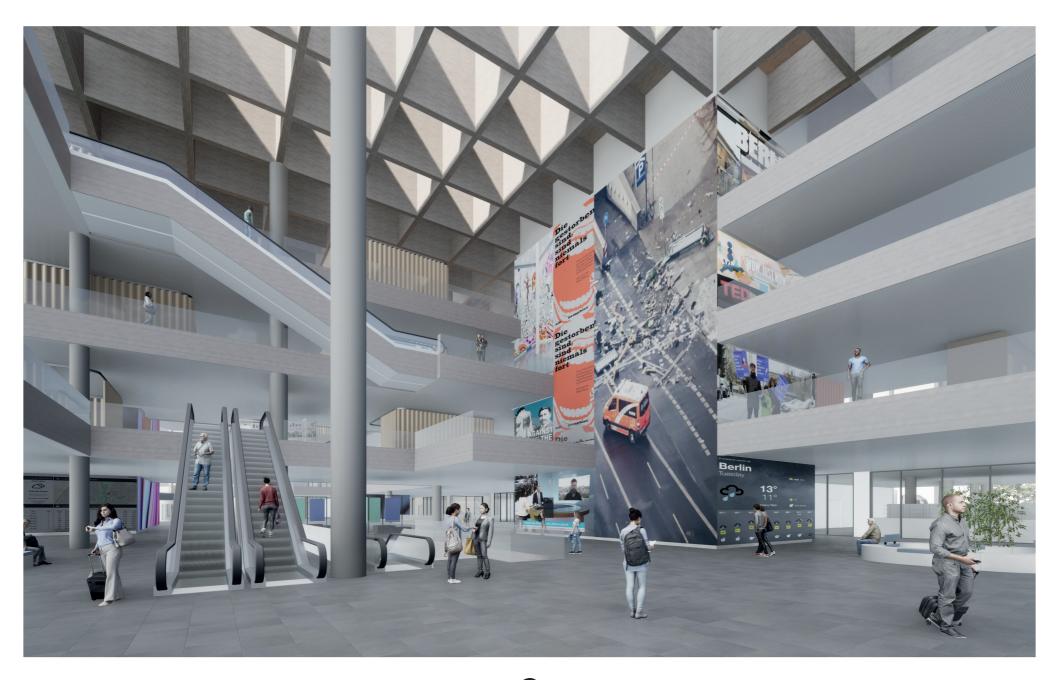
The breakfast was prepared in a café near the station, part of the building's automated delivery programme...

DAILY ROUTINE TRAVELLER

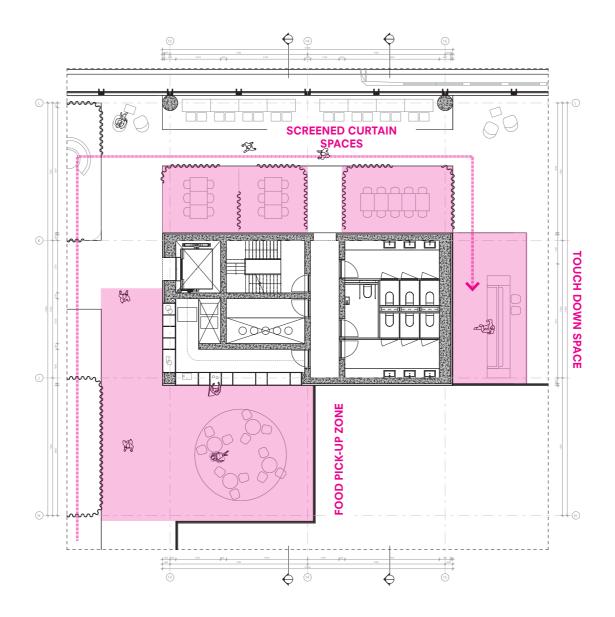


While at the core, the traveller uses the main screen to catch up with the daily news and weather report...

SERVICE CORE

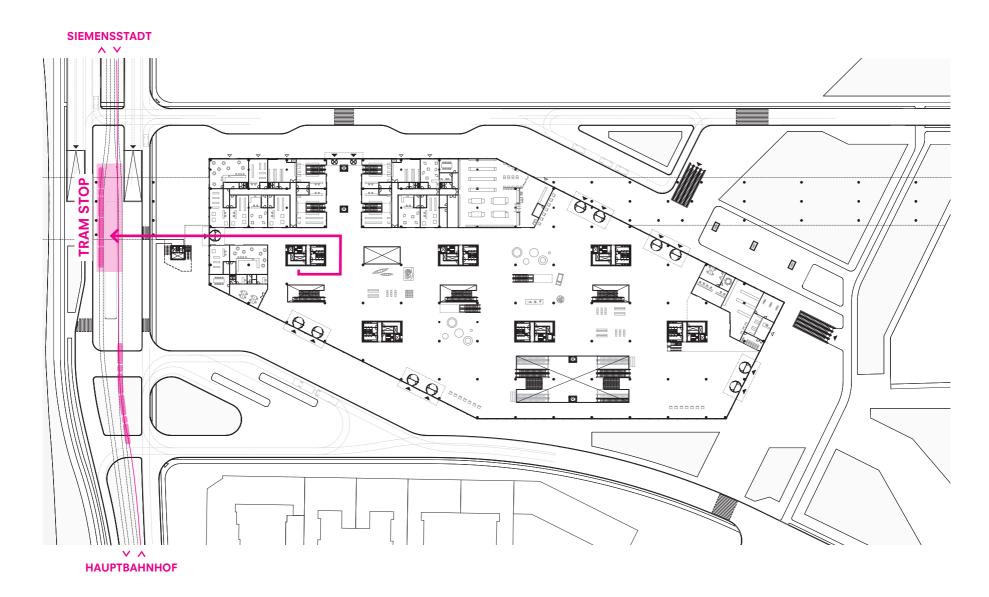


DAILY ROUTINE TRAVELLER



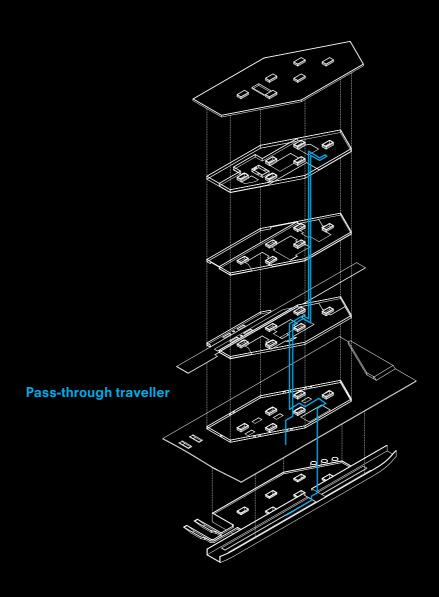
Apart from food services the service core also provides touch-down working space and screened curtain spaces...

DAILY ROUTINE TRAVELLER



After breakfast, the traveller leaves the building to catch the tram, which rides precisely on time.

TRAVEL PERSPECTIVES



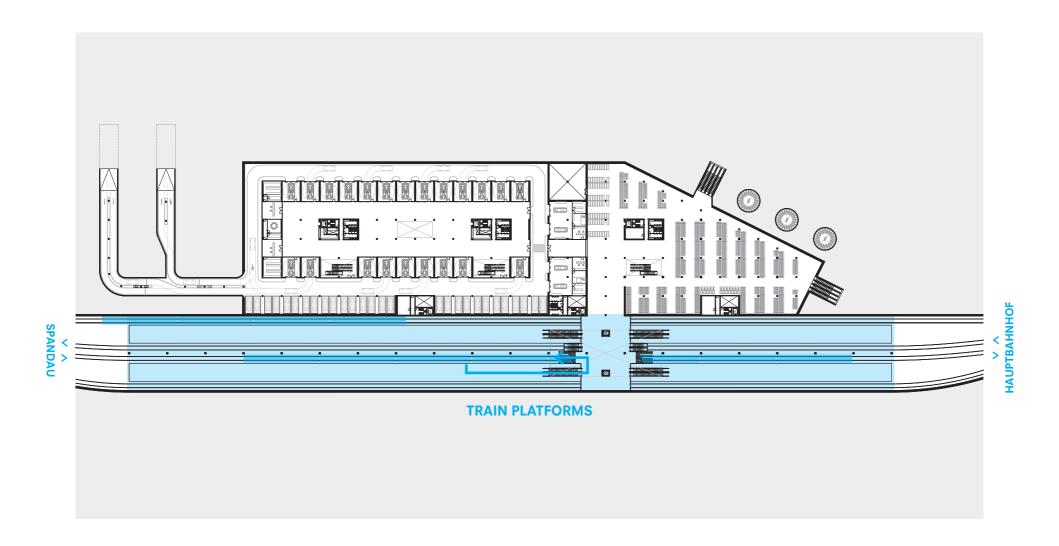
74 - 99

PASS-THROUGH TRAVELLER



During his journey, the traveller was notified about the station's activities today. The traveller registered for a workshop following his arrival time...

PASS-THROUGH TRAVELLER

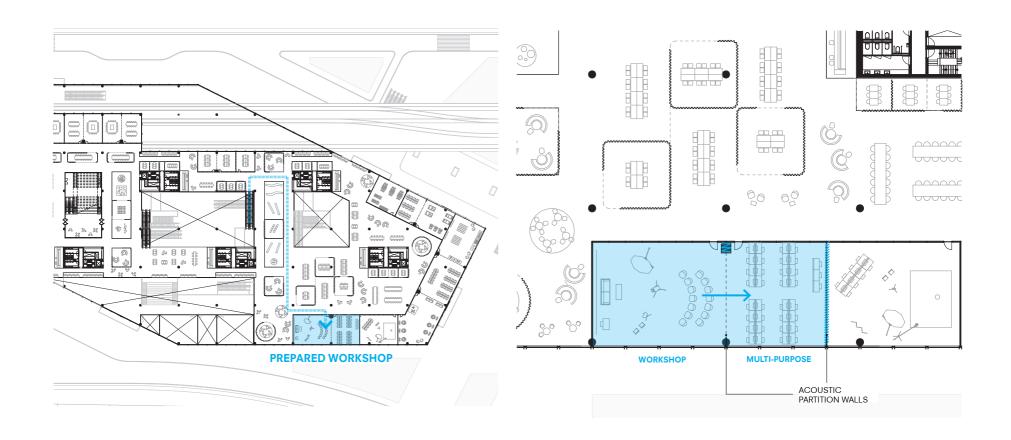


The pass-through traveller arrives by train from outside Berlin...

PASS-THROUGH TRAVELLER



PASS-THROUGH TRAVELLER

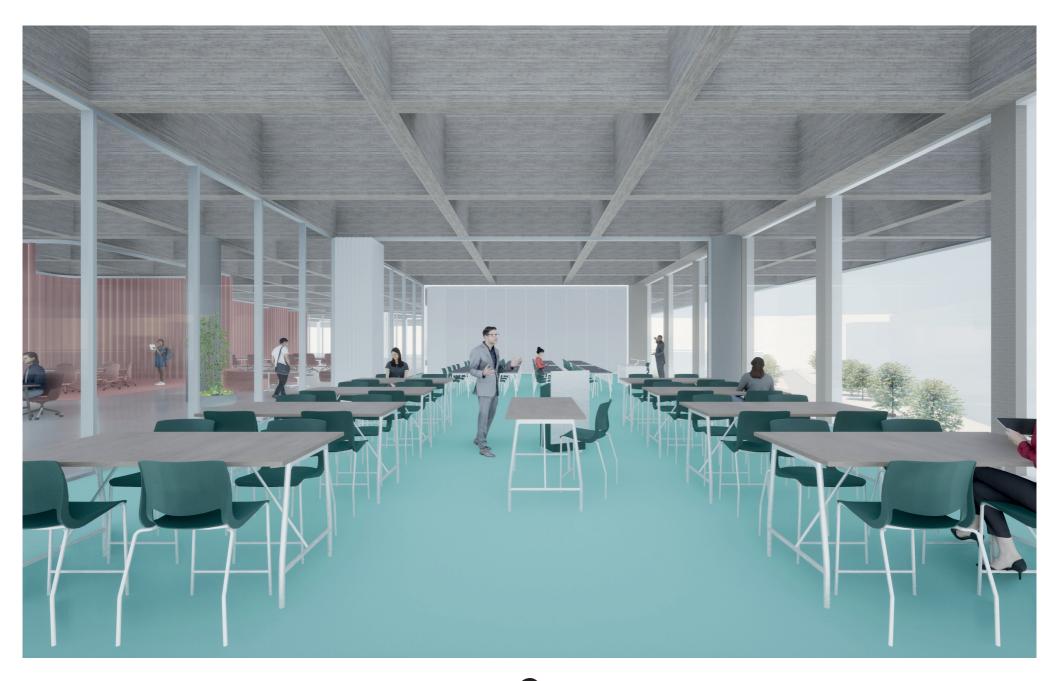


The building reconfigures its layout to provide enough space for the workshop by connecting the adjacent classroom by opening the partition wall...

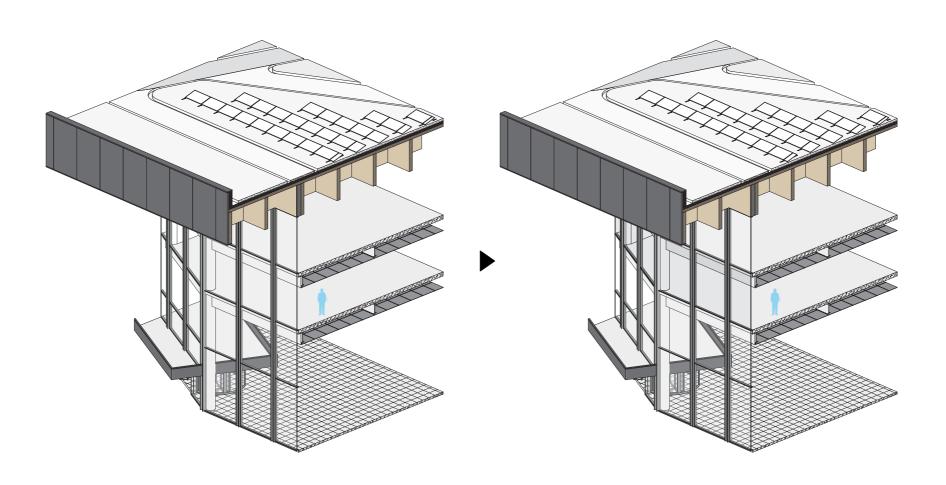
ADAPTABILITY



ADAPTABILITY

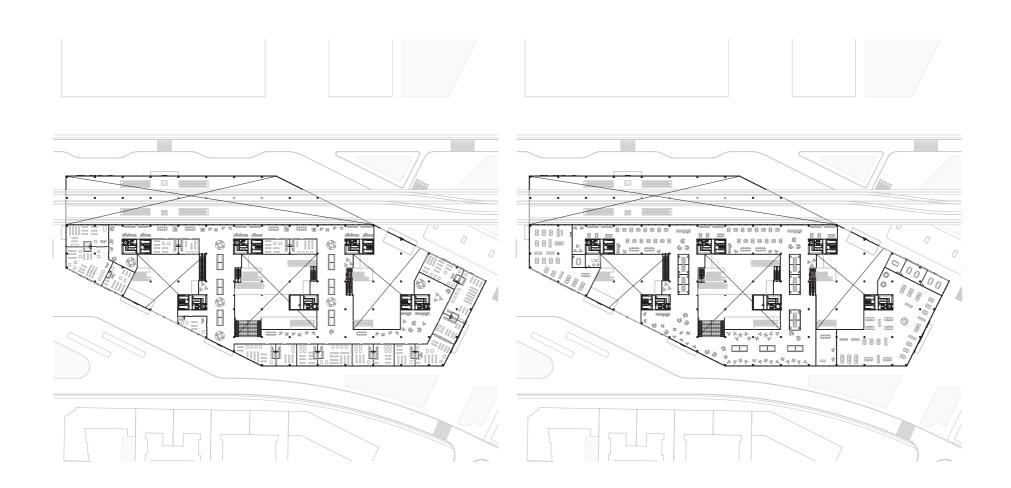


ADAPTABILITY



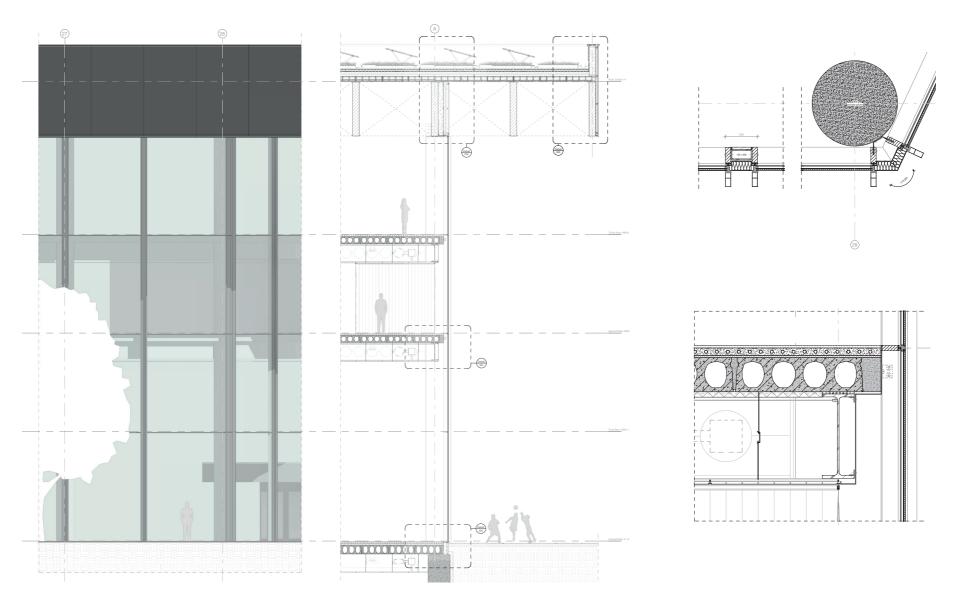
The facade can also be adapted to the use of the space behind it by adjusting the tint of the glass to the desired amount of daylight...

ADAPTABILITY



Through its flexible layout. The building can also facilitate other types of program...

FRAGMENT

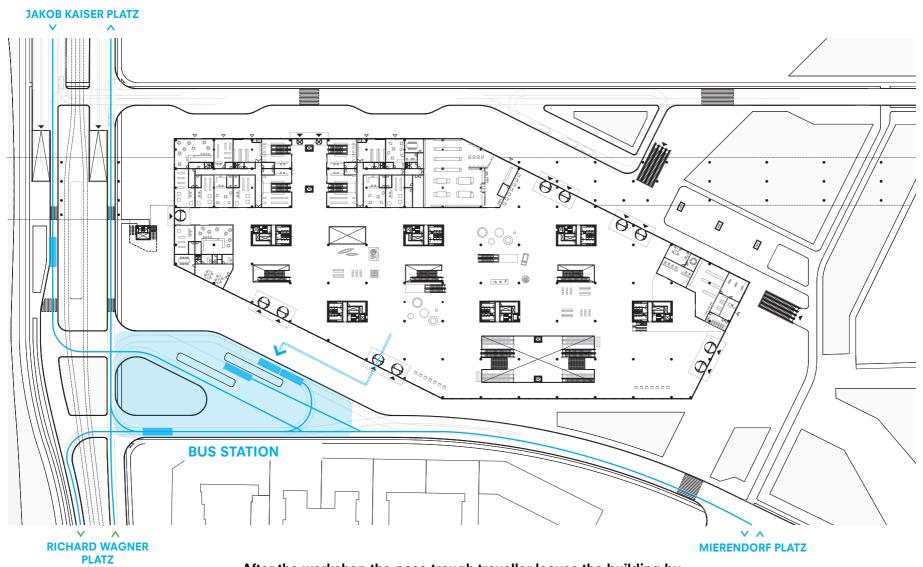


The curtain wall facade maximizes daylight in the building. Also provides configuration of the infill in the future...

CURTAIN WALL FACADE

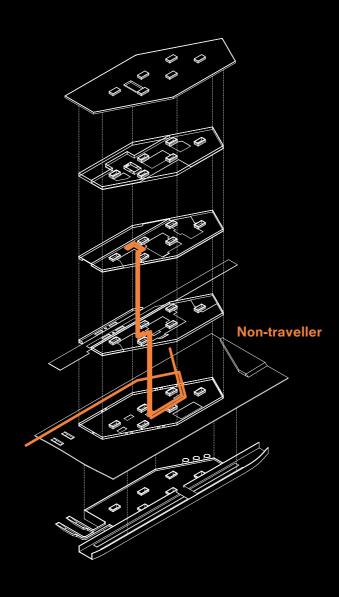


PASS-THROUGH TRAVELLER

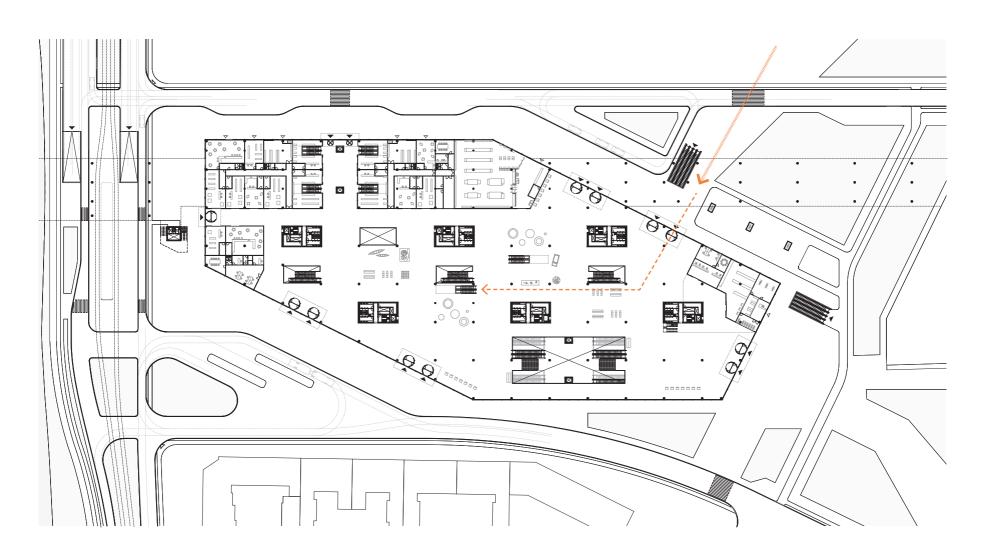


After the workshop the pass-trough traveller leaves the building by bus.

TRAVEL PERSPECTIVES



NON-TRAVELLER

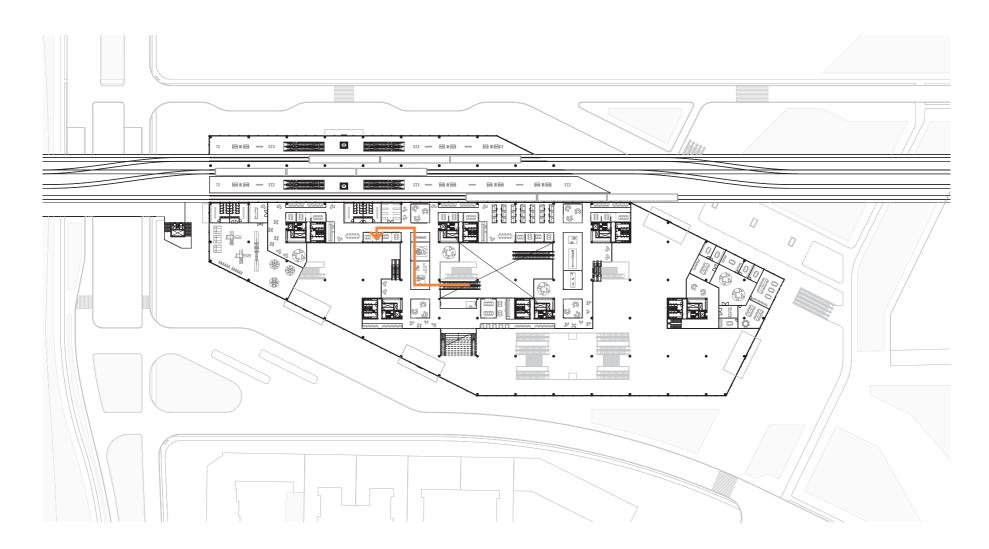


The non-traveller arrives on foot and uses the station during its off-peak hours. They arrive at the building's north entrance...

NON-TRAVELLER

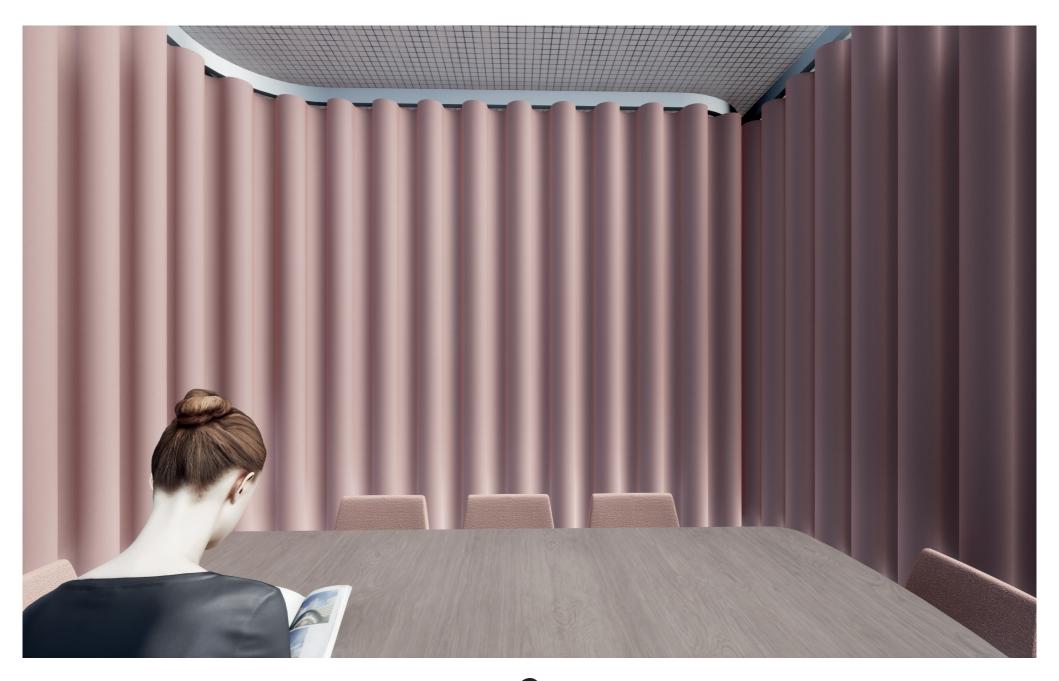


NON-TRAVELLER

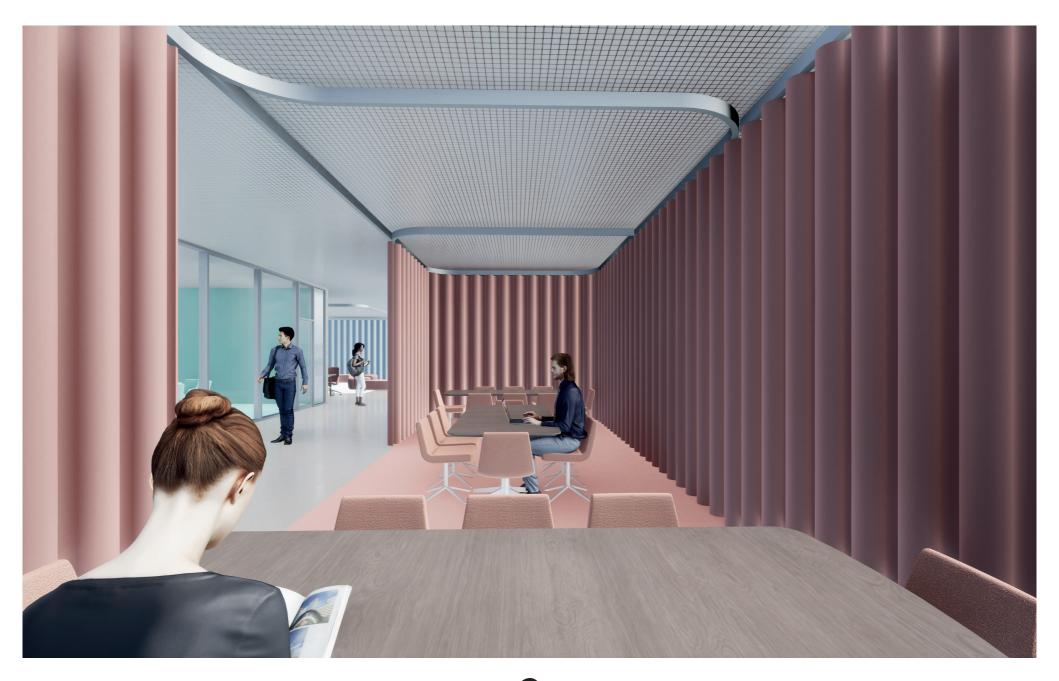


The traveller has an online meeting which he can hold in three different types of workspaces in the building...

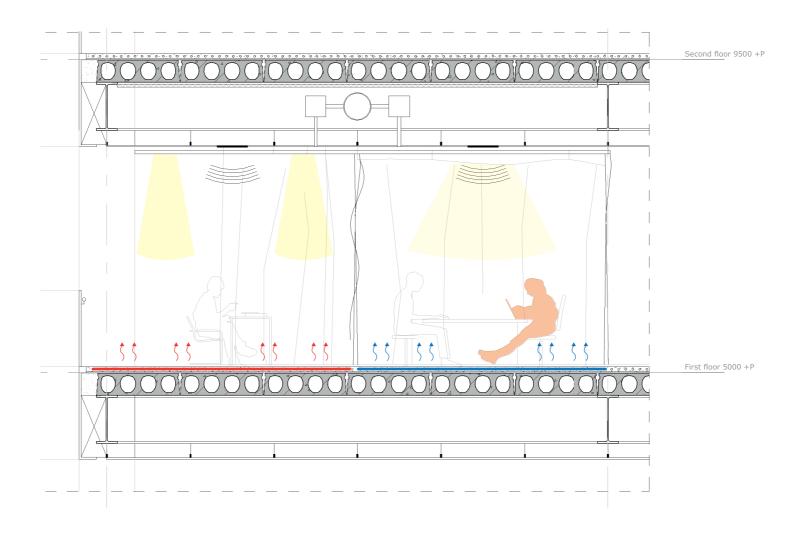
CURTAIN ZONE



CURTAIN ZONE

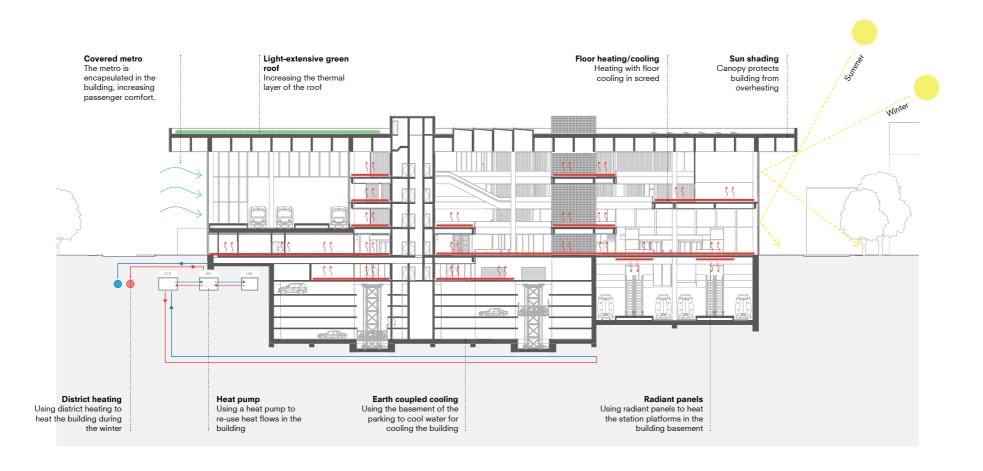


NON-TRAVELLER



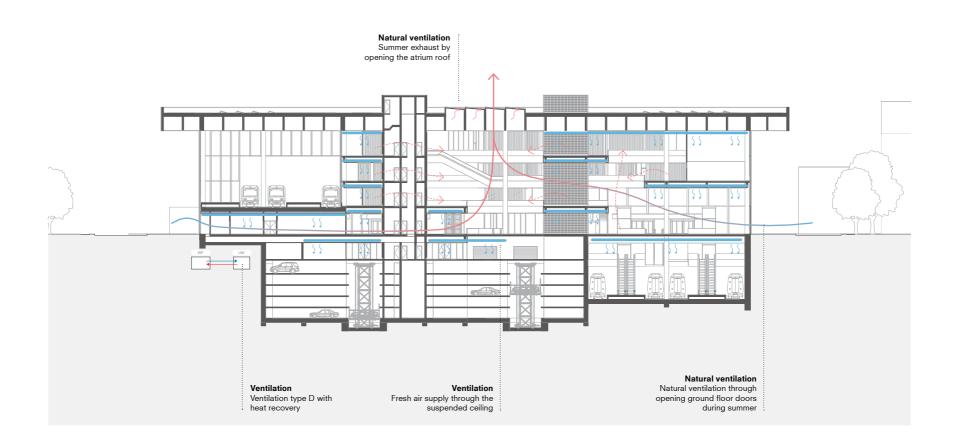
Spot heating and cooling of the space can be controlled, as light intensity, and he can use the sound system...

CLIMATE



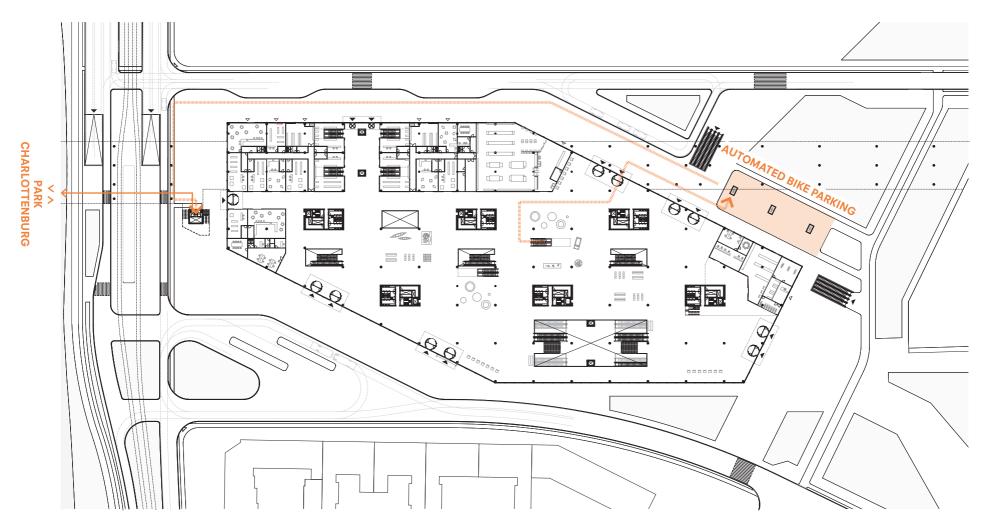
District heating and earth-coupled cooling. Sunshade protects the building from overheating...

VENTILATION



Ventilation from the ceiling of the building. In summer, natural ventilation through the atrium roof...

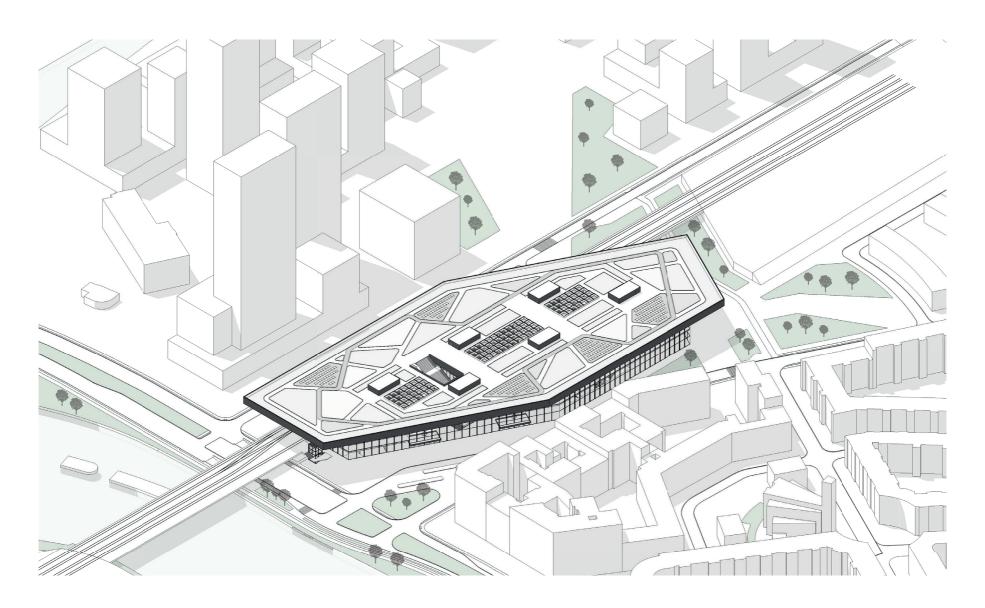
NON-TRAVELLER



The traveller leaves the station by picking up their bike at the bike rejection pods, cycles towards the bike bridge, and leaves the station area through the adjacent park...

Conclusion

DESIGN OVERVIEW



Multimodality Forum

A more service and experience-related approach towards train stations.



