

SITE LOCATION



Site Descriptions

Location : Siemensstadt, Berlin, Germany
 Stations : Gartenfeld, Siemensstadt, Wernerwerk
 Track Operation : 1929-1980
 Track Length : 4.5 km
 Track Width : 9-45 m
 Population : 12,708 people (2015)

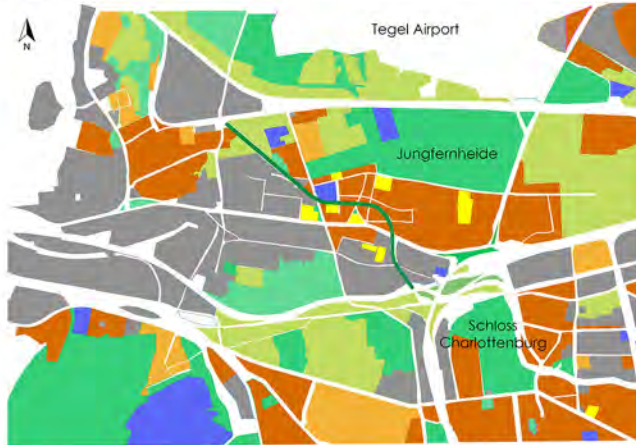
Why is it important?

As we can see in Berlin schematic map above, Berlin as a city has 2 green and 2 water elements which is dividing Berlin as 8 interesting parts. Siemensbahn Railway itself is located in the north west side of Berlin, in the middle of outer and inner green ring (see: red dot). It makes this site the best possibility to connect outer green circle with inner green circle as stated in the drawing below. This drawing concept trying to create 2 phases of connecting 2 important green spaces (Jungferheide and Schloss Charlottenburg) and also 2 rivers in the North and the south of Siemensbahn Railway Track.

2 Phases of Green Connection

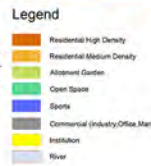


CONTEXTUAL STUDY



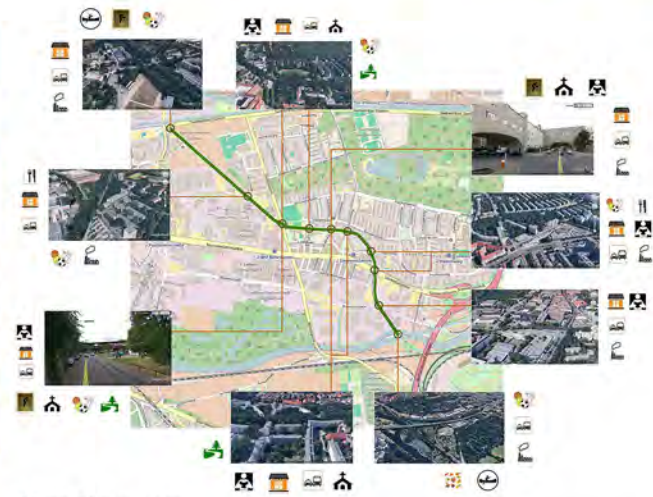
Land Use Map

Major spaces are residential, commercial and open green space. Large quantity of high residential density can be seen near Schlossgarten area. Industries are developed by the easy access of river. Residents markets etc grown up besides the industry.



SITE STUDY

Access and Connections



Urban Value Map

In respect to Commercial aspects the site is very near to the Industry and Shops. So in matter of transportation cost site is in important location and its economic value is higher. Public Facilities, green Space, Work Place and accessibility to daily goods of a location determined the urban value. Berlin has huge roads, Parking's and smooth Public transportation. So accessibility to site from different location is easy. In Respect to social Value there are lots of activity in different location such as Recreational, religion, Institutional and other community functions. People from different ages, different professionals, their Hobbies, Working Hour and Business will impact the surroundings variously to make the site as an Interactive place. As a bigger city Berlin has a less communications between peoples but the Siemensbahn & Spreeinsel could be potential place for communication between different levels of people if it is developed as a urban breathing space.

SENSORY STUDY

Noise Scale



Color Palette



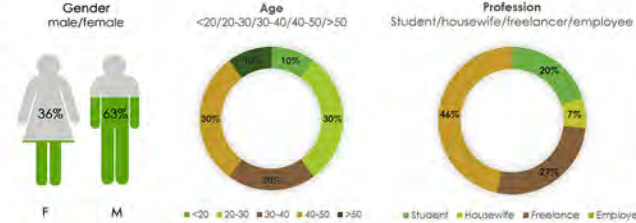
The colour scheme based on the railway track in autumn season, the buildings around the site, vegetation and the ground surface. This show some colours repeated on the site.

PUBLIC SURVEY

DEMOGRAPHY

The site is located across the large urban area of the north eastern Berlin sub-urban. Our target is not only the people who lives in the area but also right next to the railway track or physical and visually contact with the railway site.

Duration : 3 days
 Friday.....River Island
 Saturday.....U Bahn Siemensdamm
 Sunday.....Gartenfelder Strasse
 Time : 8:00am-3:00pm



QUESTIONNAIRES



SWOT

Strengths: 1. Multifunctionality of land (residential, leisure, sports) 2. Visual Connection (Schloss - Charlottenburg, Potsdamer and Jungferheide) 3. Variety of Open Spaces (small garden, recreational area, historical park) 4. Good accessibility and transportation from the old area 5. Good condition of existing materials on the railway track 6. Historical meaning of the track 7. Existing public environment	Weaknesses: 1. Lack of accessibility between urban spaces 2. Limited greenery and trees in the surrounding 3. Lack of historical connection (railway) 4. No permanent open area 5. Lack of greenery in the surrounding
Opportunities: 1. All types users (residents, industry workers, guests from the airport) 2. Create a nice view 3. Possibility of connectivity between urban spaces 4. North-South connection to the city 5. Usage of original materials as design element 6. City symbols 7. Create locality in landscape	Threats: 1. Disconnection between city open spaces and how to be planned 2. Missing of functionality and quality 3. Decreasing the quality of view

CONCLUSION

PUBLIC SURVEY:
 - The need of bicycle network
 - Lack of information about the railway history
 - More walking and public area (Skywalk idea)
 - More and more green space (River island development)

ANALYSIS:
 The Siemensbahn railway project: human sensing (sound and colour), urban value and public survey give us important information from people surround the site (inside and outside view). Based on the survey result, bicycle track combined with green space will be a good solution for people right now. They will have a green buffer connection from north to south for recreation and fresh air which separate the industrial and residential area. For the connection between Jungferheide and Schloss Charlottenburg, the railway track will be transformed to Siemens Sky Park which let people to move easily and quickly across the important places in this area.

BIG CONCEPT

Project Name : Siemens Sky Park
 Tagline : The green line above your eyes
 Project Category : ● Green Connection
● Bicycle Track

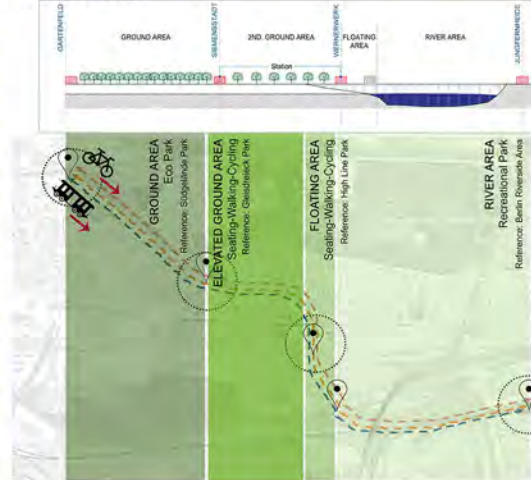


Main Task:
 Develop the abandon railway track, maintaining all its features and characters and turn them into a (site) specific type of user friendly (green) public place.



3 TYPES OF TRANSPORTATION

Track Elevation



RAILWAY TRACK

WALKING PATH

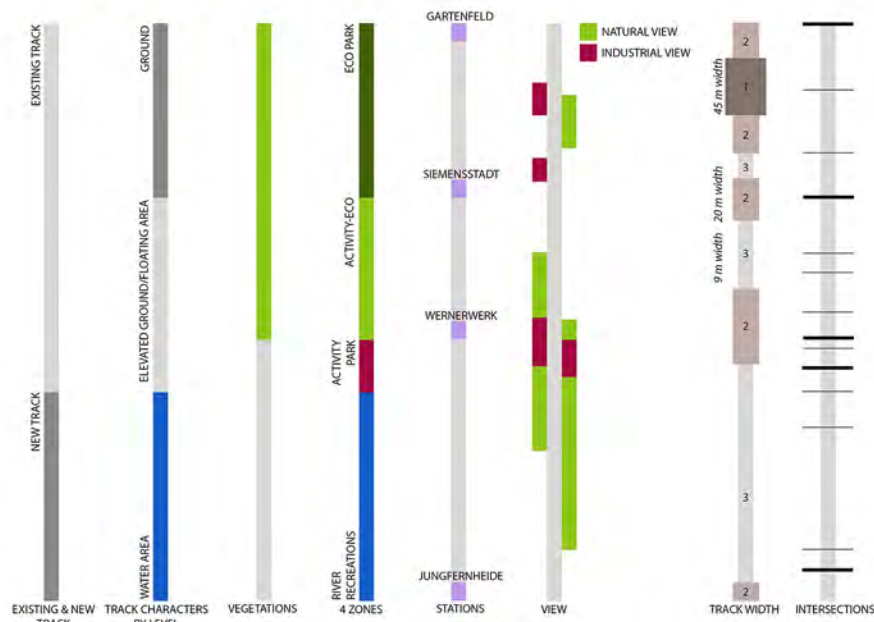
BICYCLE TRACK

General Plan

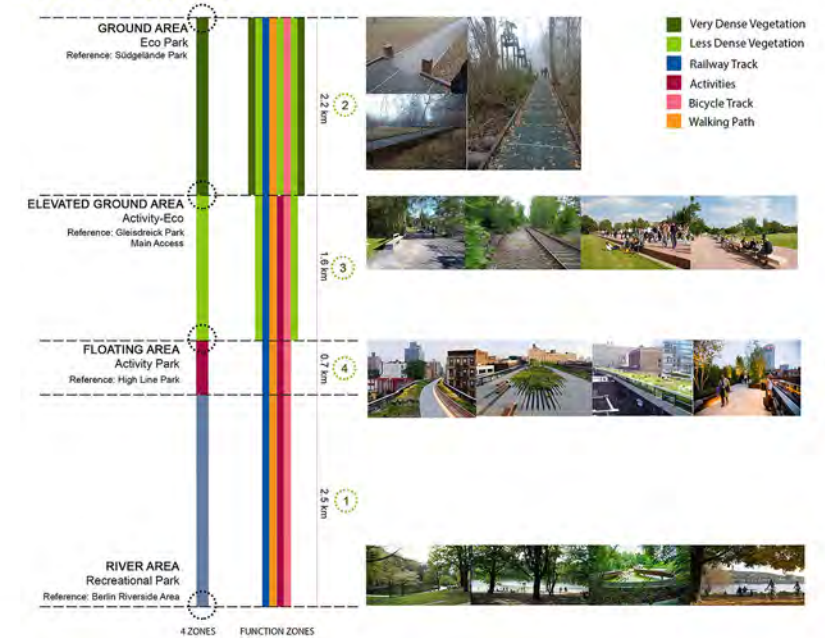
General Section

 3 TRANSPORTATIONS WAY

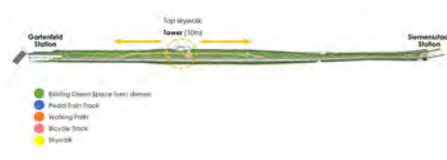
DESIGN STUDY



4 TRACK ZONES



ZONE 1 Ground Area



Track Width : 9-45 m
 Main Focus : Eco Park with existing trees and vegetations



Section



ZONE 2 Elevated Ground Area



Track Width : 9-20 m
 Main Focus : Activity Park with smaller trees and vegetations



Section



ZONE 3 Floating Area



Track Width : 9-20 m
 Main Focus : Main activity park



Section



ZONE 4 River Area



Track Width : 9 m
 Main Focus : Track with river-island view

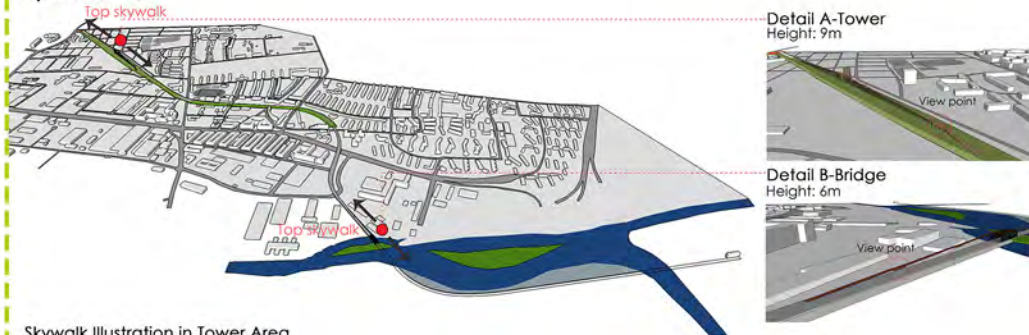


Section



SKYWALK DETAILS

Skywalk Plan

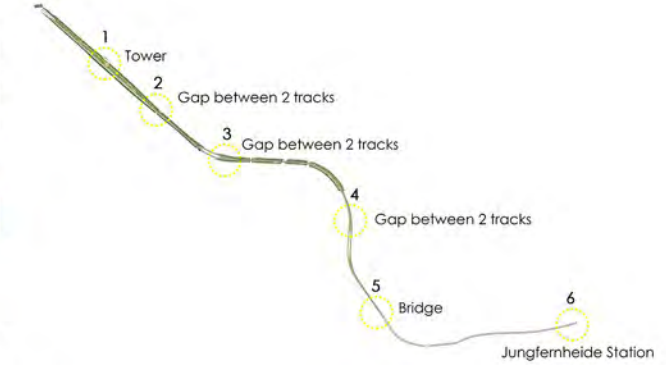


Skywalk Illustration in Tower Area



6 Existing Structures

for skywalk base



Site Pictures



Skywalk Concept Drawings



RIVER-ISLAND DETAILS

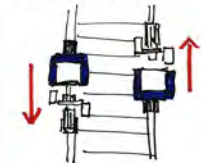


Reference picture for river activities



PEDAL TRAIN DETAILS

Concept Sketch



Technical:

- Loop at the first and last station
- Deposit ID card system
- 10 km/hour or 36 mins to finish the track
- 4 Stations to hop on-off
- 20 single paddle train running everyday
- No cost, no electricity

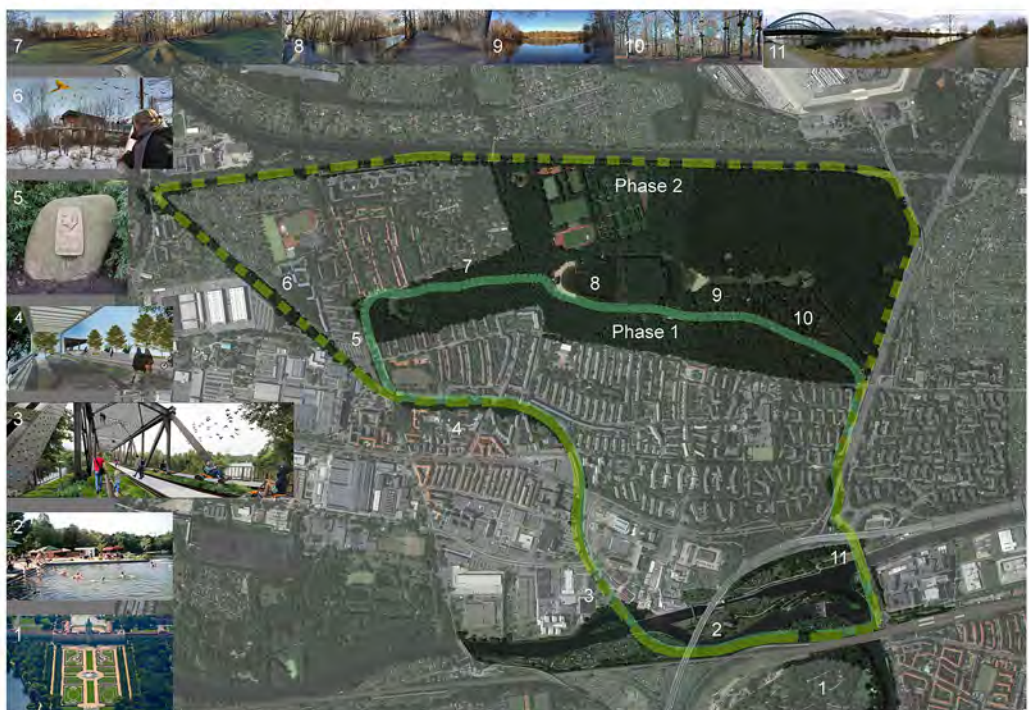
Loop



Pedal Train Options



GREEN CONNECTION

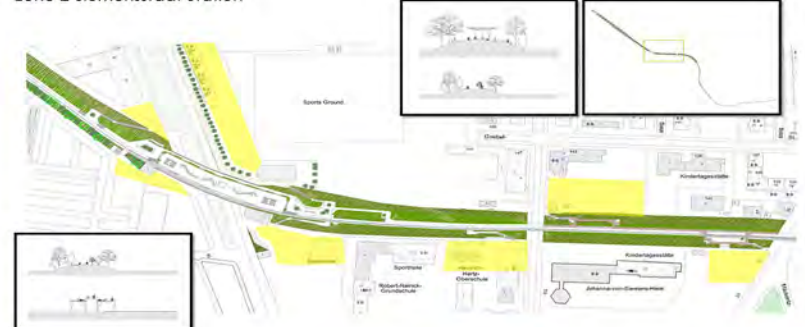


Pedal Train and Skywalk Illustration in Bridge Area



SPOT DETAIL

Zone 2-Siemensstadt Station



OUR DESIGN ADVANTAGES

- New idea, new identity, new activity with the new Siemens Pedal Train
- Unique elevated walkway for the only one experience in Berlin
- Less cost using existing structures
- Diffable friendly with ramp access from start to end
- Ecologically friendly because keeping the track as it is
- Complete green and river connection from Berlin Spandauer Schifffahrtskanal (north) to Schloss Charlottenburg (south)
- Easily Accessible with connection to S+U Jungfernhöhe Station (Ring Bahn)



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