

PORTFOLIO

2017-2018

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Urban Design Portfolio 2017-2017

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Education Background:

Bachelor of Architectural Design (Chongqing University)

Master of Urban Development & Design (UNSW)

Skills: • Adobe Software

- Sketchup
- V-Ray
- AutoCAD

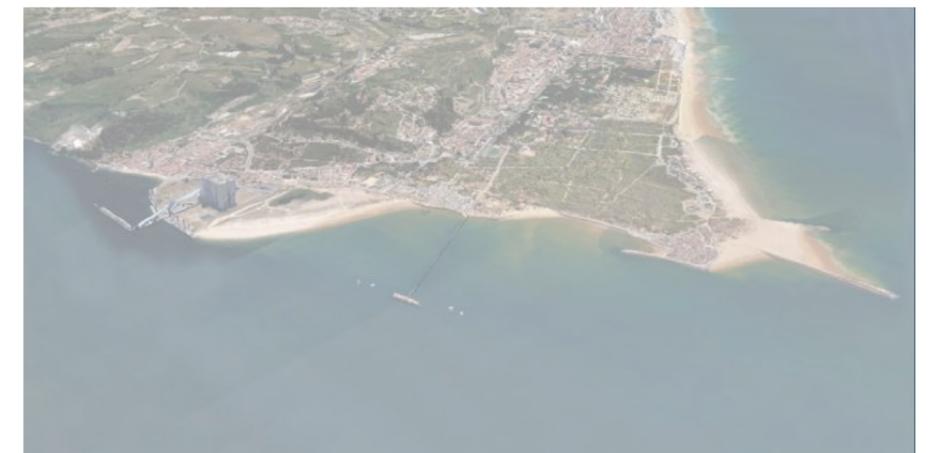
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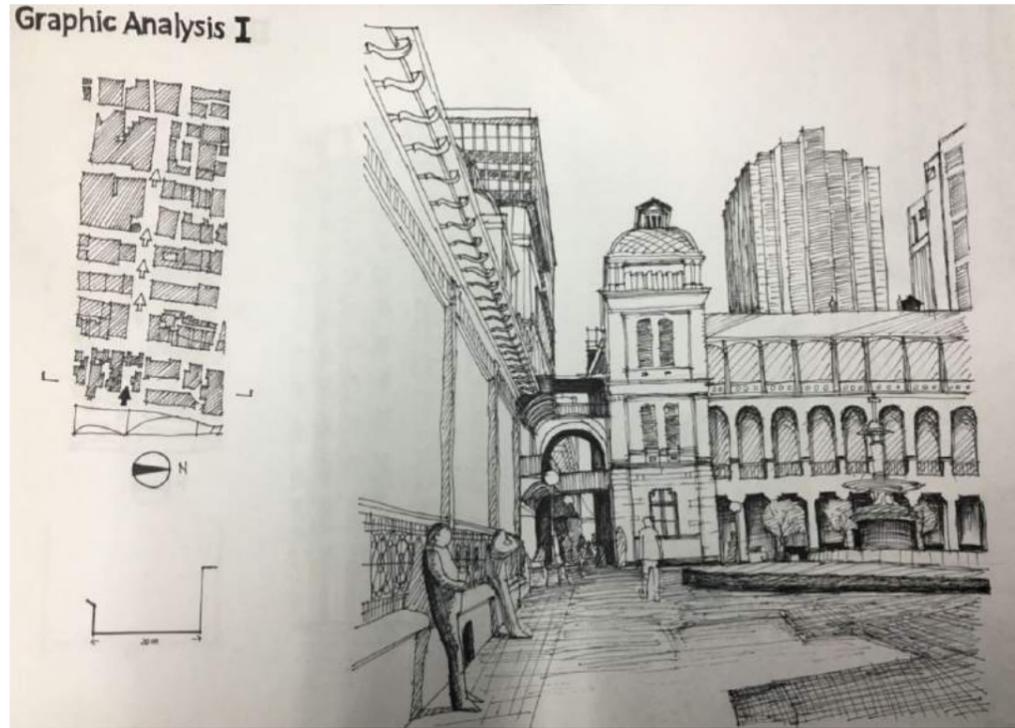


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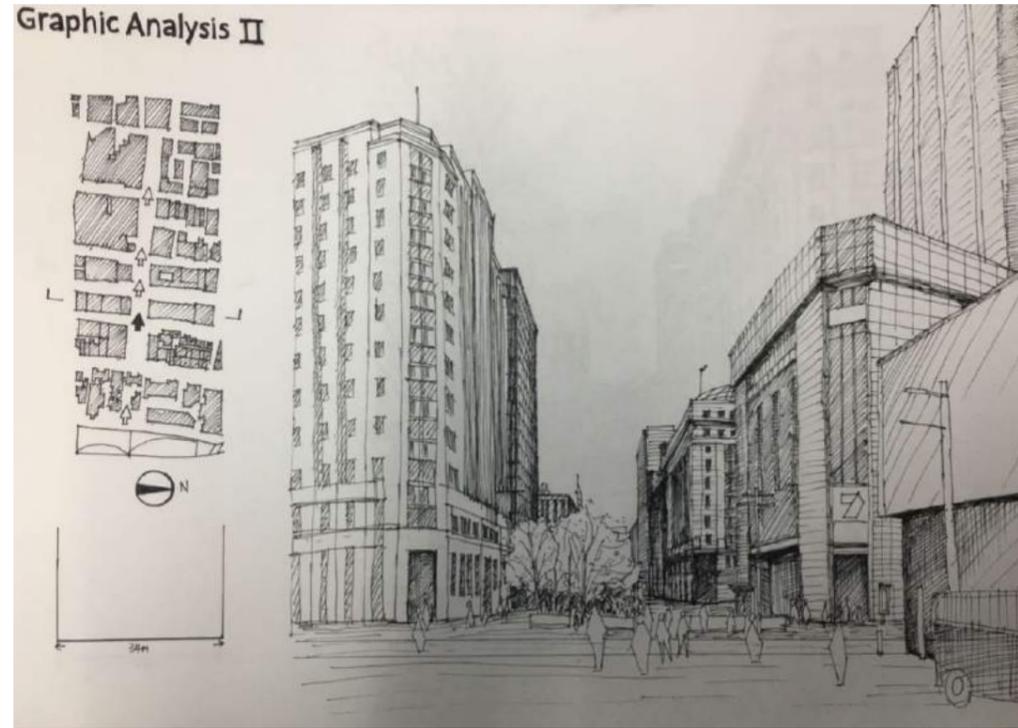


Graphic Analysis of Martin Place, Sydney

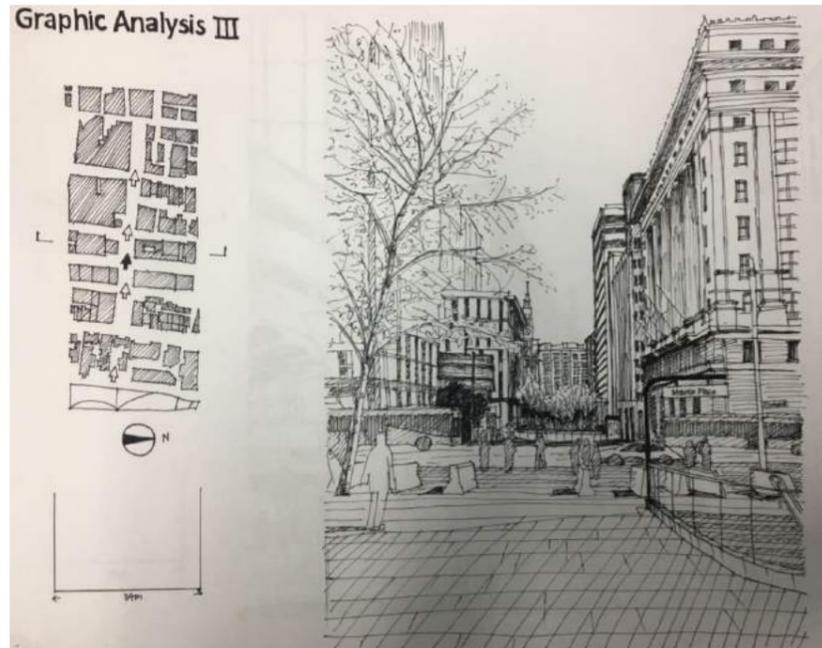
Graphic Analysis I



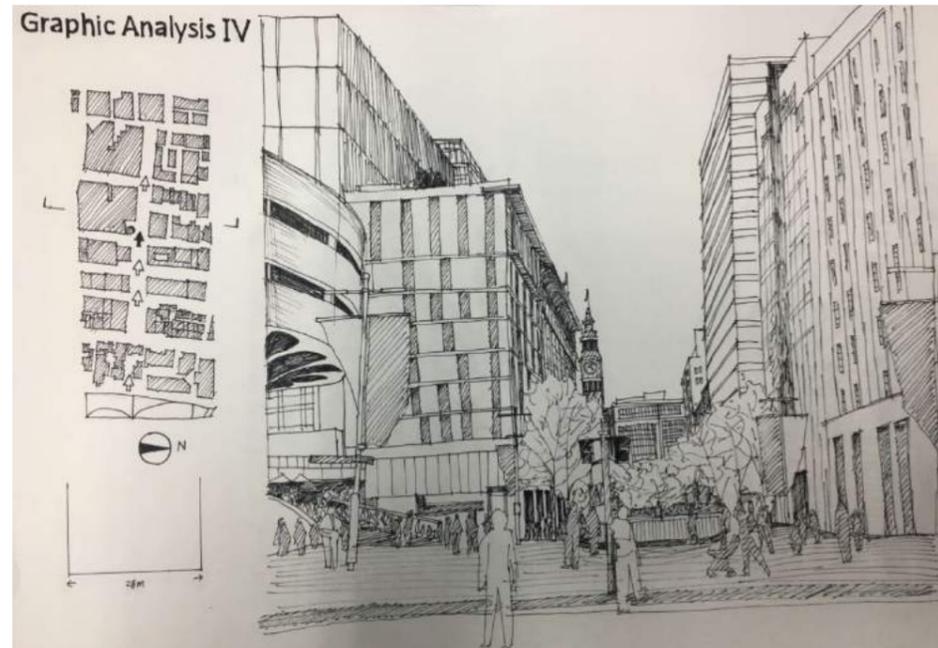
Graphic Analysis II



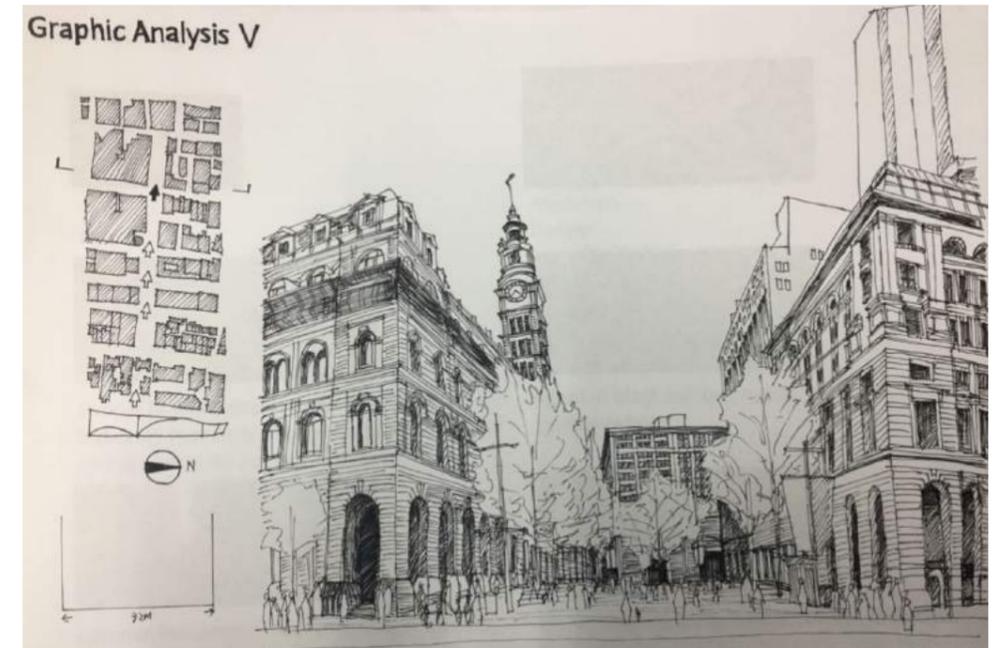
Graphic Analysis III



Graphic Analysis IV



Graphic Analysis V



Johannisthal Innovation Precinct, Berlin

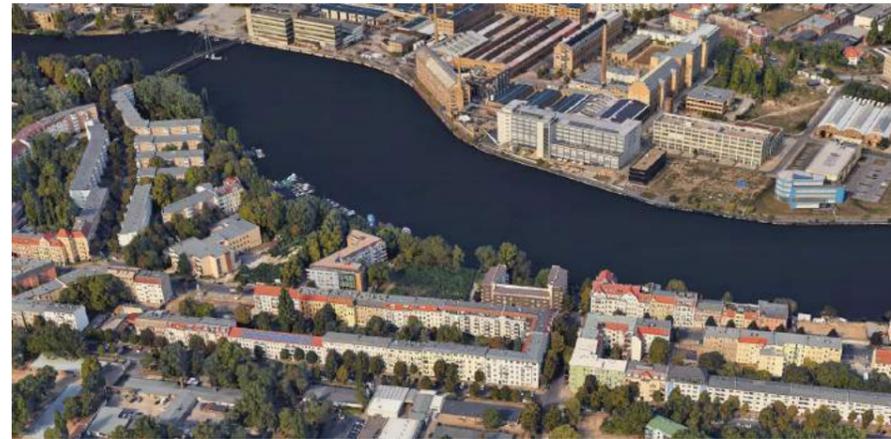
CONTEXT

Berlin in Wings of Desire is a city with two sides and changing concepts of place in time. On one hand, it is rigid and more utilitarian. On the other, it's more lively and human. In this design proposal, we also identified a binary in the characteristics of the site - the tech park and the heritage district - and an opportunity for a change in the identity of places in the site which used to be part of East Berlin and is located nearby the Berlin Wall, a very strong image in the movie.

The Adlershof-Johannisthal site is located southeast of Berlin's city center. With a Maritime Temperate Climate there are significant influences of mild continental climate due to its inland position, with frosts being common in winter and there being larger temperature differences between seasons than typical for many oceanic climates. It is the largest city in Germany and the seventh most populous urban area in the European Union with a density of 4,048 inhabitants /sq.km. The site started out as the Schoneweide shunting yard, the municipal approval for the redevelopement of the site was passed in 2013. Currently, Adlershof is a successful technology park while Johannisthal is awaiting development that will link it to both Adlershof and the upcoming airport south of the site.

VISION

The principle of the project is to address the Johannisthal potential as a 'Transit Oriented Development' and innovation precinct whilst connecting this to potential surrounding precincts towards a development made more robust by its outward connections and varying characteristics.



Johannisthal Innovation Precinct, Berlin

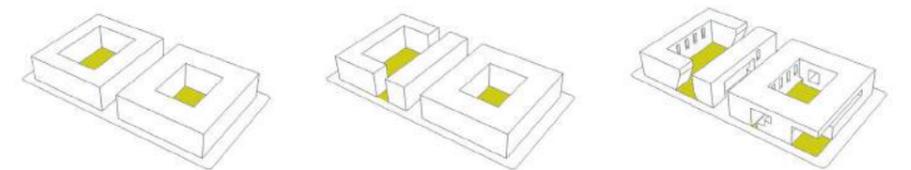
STRATEGIES

The Johannisthal - Niederschoneweide connection is a bridge integrating the train station. It connects high density residential mixed use areas of the site and strengthens the connection between the tech park and the creative district. This provides a convenient way to quickly go across precincts, addressing the issue of separation in the site. A smaller bridge integrated into the park is used for the connection of the middle of Johannisthal and Adlershof to the Schoneweide side, completing a circuit of paths to encourage movement among Johannisthal, Adlershof, and Niederschoneweide.

The Berlin block was examined and modified to create low-rise high density residential mixed use developments that aim to compensate for the lack of residential units in Adlershof Science Park. The ground floors are designated as commercial space, with the courtyards visibly accessible to provide a more activated street environment.

The uses and activities along the two main streets of the development are also zoned so that activities vary along the street. For the Johannisthal side, the focus is more on the provision of residential, commercial, incubator spaces, and research and manufacturing blocks that consider the possible change of use of buildings in the future. For the Niederschoneweide side, the focus is more on taking advantage of the leisure, creative industry, and heritage opportunities along the street.

Considering environmental adaptability, the Airfield Museum is made into a museum with outdoor exhibits and also serving as a park. This sets aside this parcel of land for future development while still using it to vary the activities within the site. For zoning, on the Johannisthal side where the innovation precinct is zoned from fine grained mixed use to coarse grained research and manufacturing leading into Adlershof Science Park.



Peixe City, Lisbon

CONTEXT

Trafaria is a village in the Almada municipality, with 5.73 km² of area and 5 696 inhabitants(2011). The project site is a 10-minute boat ride away from Lisbon and faces the Tagus River.

The origin of Trafaria can be traced back to settlement by a small group of fishermen, and today fishing remains one of the main economic activities of Trafaria, albeit in small numbers. Nowadays, economic depression and illegal settlements have led to a poor living environment for locals. In addition, flooding issues caused by sea level rise pose a threat to the area.

VISION

The vision is for an expanding and economically viable precinct based on local fishing production and valuable marine resources that reflects the established character of the area. Our goals are creating a sustainable ecological system, to bring better living conditions, improving the local economy as well as resolving the future flooding issue.

For this precinct design, our group focussed on what did Trafaria have, then absorbing, utilizing and recomposing these points. Nevertheless, in order to improve local living environment, the main focus of the site is not only precinct renewal, but also motivating the local economy and bringing more job opportunities. This could radically improve local conditions and promote further development.

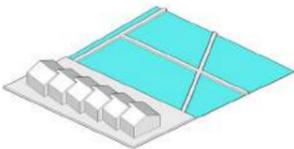


Peixe City, Lisbon



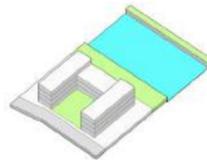
Floors: 2
Typical floor
area: 720m²

Height: 8m
Dwellings (Total): 24
Parking: 12 (2/unit)



Floors: 3-4
Typical floor
area: 840m²

Height: 12m
Dwellings (Total): 56
Parking: 28 (2/unit)



Floors: 2-3
Typical floor
area: 1700m²

Height: 12m
Dwellings (Total): 76
Parking: 38 (2/unit)

