

## 关于我们. About.

我们是一个由建筑师, **城市分析 师和设**计师组成的开发团队, 致力于将研究和实践**紧密结合在**一起, 为多维城市空间提供实证、**人本导向的设计和咨询服务**。

通过我们不同的背景,我们致力于将创新的研究 实践与传统的城市设计和总体规划方法完美地融 合在一起。

我们与设计师,规划师和研究所紧密合作,提供与3维空间网络分析相关的服务,这些服务可以插入其工作流程,并允许他们探索各种基于证据的最佳选择方案。

空间网络分析方法是几种城市现象的相对较新的 且高度准确的预测指标。作为该领域的设计师和 研究人员,我们拥抱了这个日益多维的城市世界 的新复杂性,并开发了复杂的网络模型,以便真 正为人们创建新的Place Matrix。



# Eventually everything connects- people, ideas, objects. The quality of the connections is the key to quality per se.

## 球隊. Team.

#### Dr. Lingzhu Zhang

Directo

She holds a PhD in Architecture from Tongji University, one of the most reputed unversities in China.

Her research interests lie within the realms of three-dimensional spatial and urban network analysis, Big Data and Machine learning, focusing on people centered urban design qualities. Her keen eye for detail and reasoning is what brings all our projects a sense of value and logic.

#### Siddharth Khakhar

Director

He is a practicing urban designer with experience of working on large to small masterplans across China, Hong Kong,

Middle-East, Russia and India.

He values and pushes for the need of evidence-based urban design within professional practice. At the same time, integrating design research with practice is where he feels lies the key to evolving the urban design and master planning process.

#### **Alain Chiaradia**

Non-Executive Director

He is the Programme Director of the Master of Urban Design at HKU. He was previously Executive and Board Director at the global consultancy Space Syntax Ltd, where he directed large scale projects concerning spatial policy analysis, urban design policy formulation and evidence-based spatial design in major cities including Paris, London, Boston, Shanghai.. He's also the inventor of Spatial Design Network Analysis (sDNA) software.

## 服务. Services.

为现有或未来城市空间设计提供 绘制,分析,评估和人本导向的 性能优化

#### **Design Analysis**

As professional urban designers and architects, we understand the importance of good city design.

Through network mapping and spatial analysis we aim to instill new values within the design process. We can develop intricate network models based on different design options, suggest various alternatives through spatial analysis simulation and put forward best option scenario. We can also offer recommendations to further strengthen the plans to make it more robust.

#### **Research undertaking**

As experienced researchers, we strive to find new strands of research. The beauty of networks is that it can be constantly updated with new values and attributes that pave the way for new research possibilities.

We can provide research for design to consultancies looking to explore evidence-based urban design. We also seek to actively collaborate with different institutions looking to plug-in network analysis and big data as part of their research.

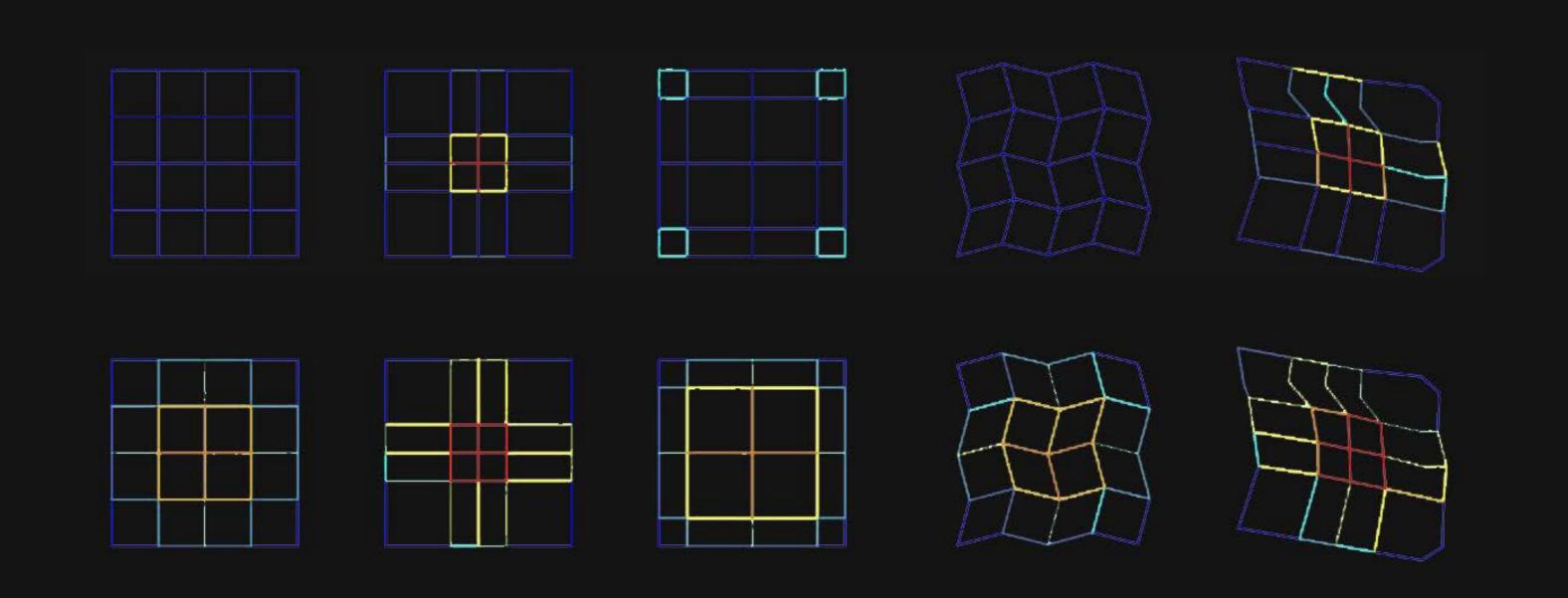
#### **Training laboratory**

We can offer in-depth training services related to pedestrian network mapping and the use of 3D spatial design network analysis tools.

Training sessions can be tailored to adapt to different consultancies/institutions based on their needs. Once an in-house team member is well suited to take up network mapping and spatial analysis, the design/research process can be a lot more time-saving and effective.

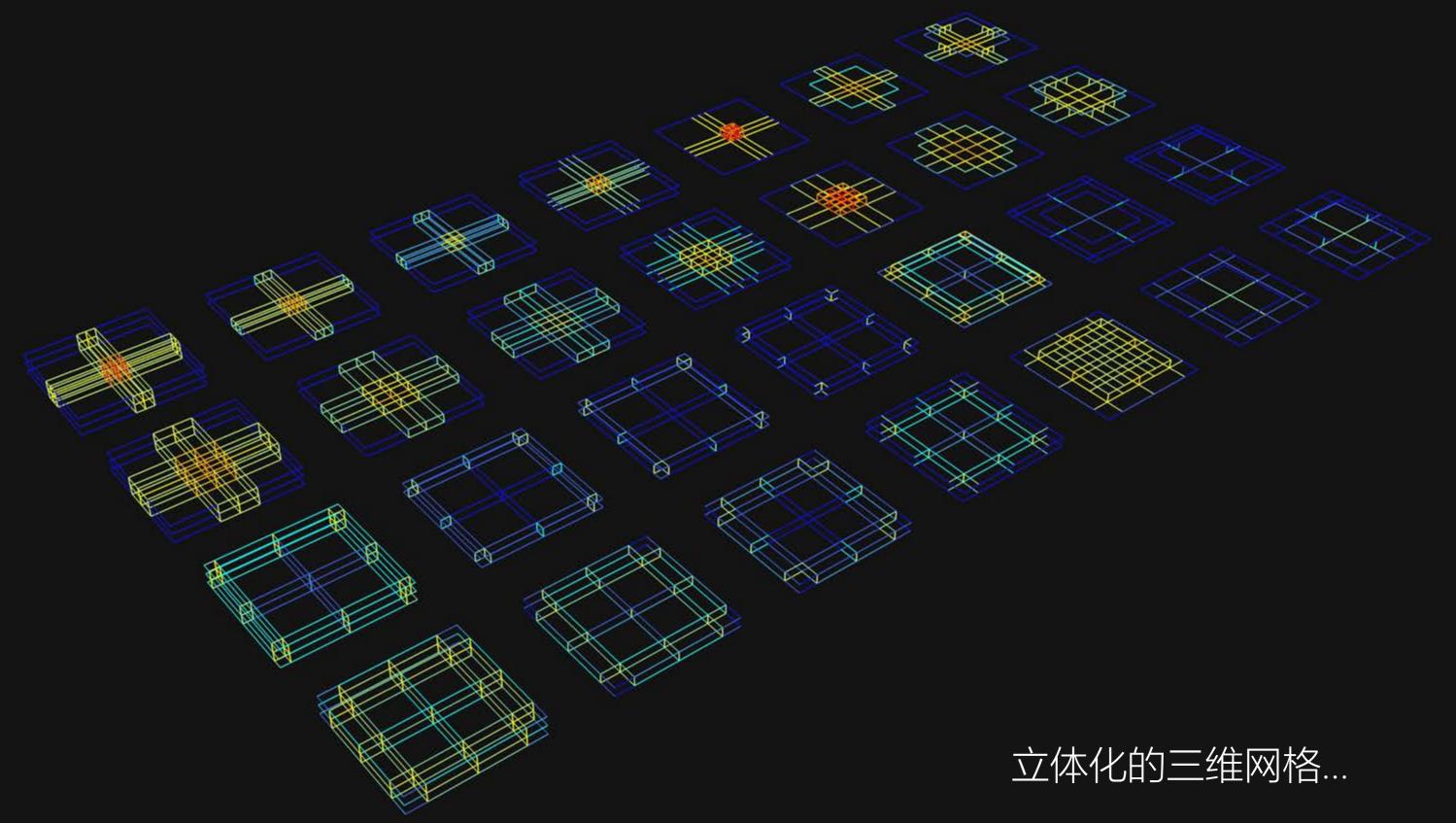


From a basic 2-dimensional block/city grid...



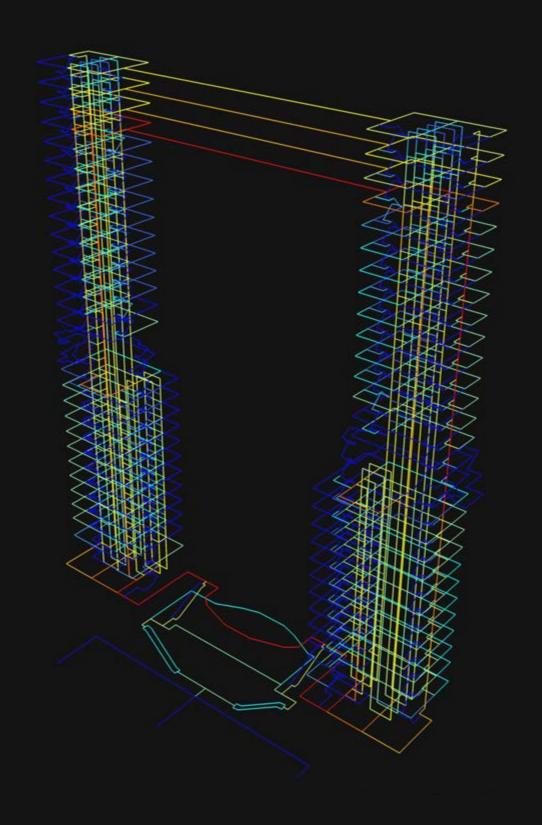
基本的二维/城市网格...

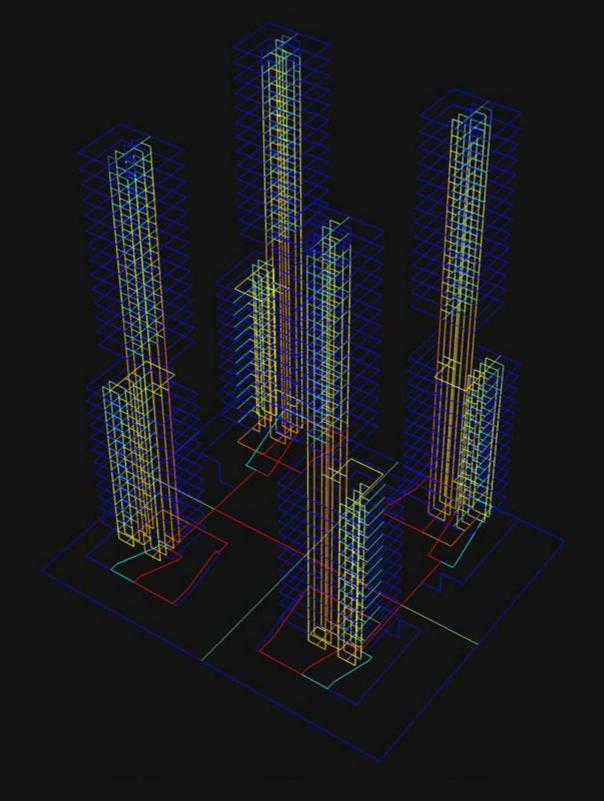
To embracing 3-Dimensional grids with verticality...



To exploring multi-dimensional building typologies...

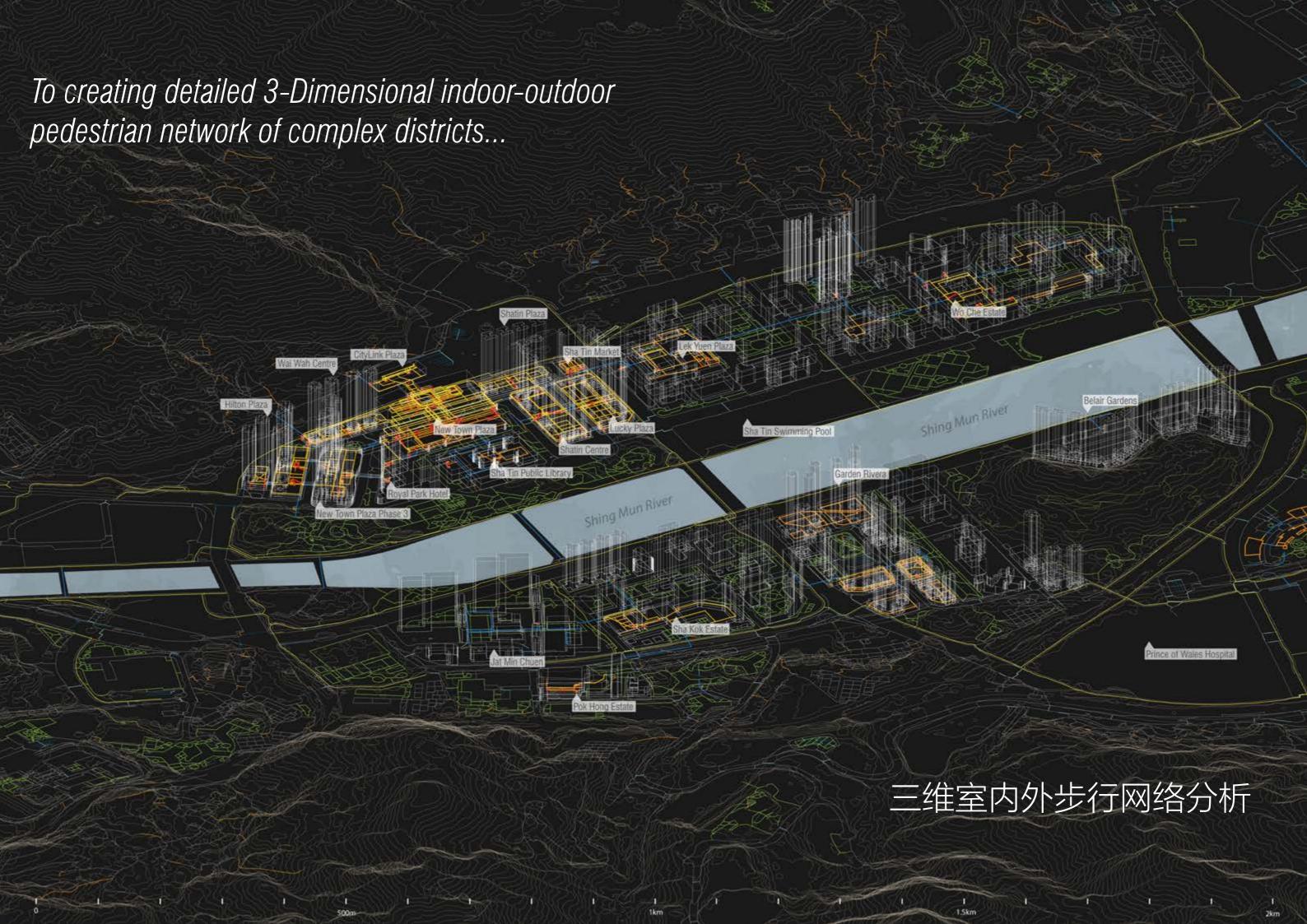
探索多维度建筑类型...

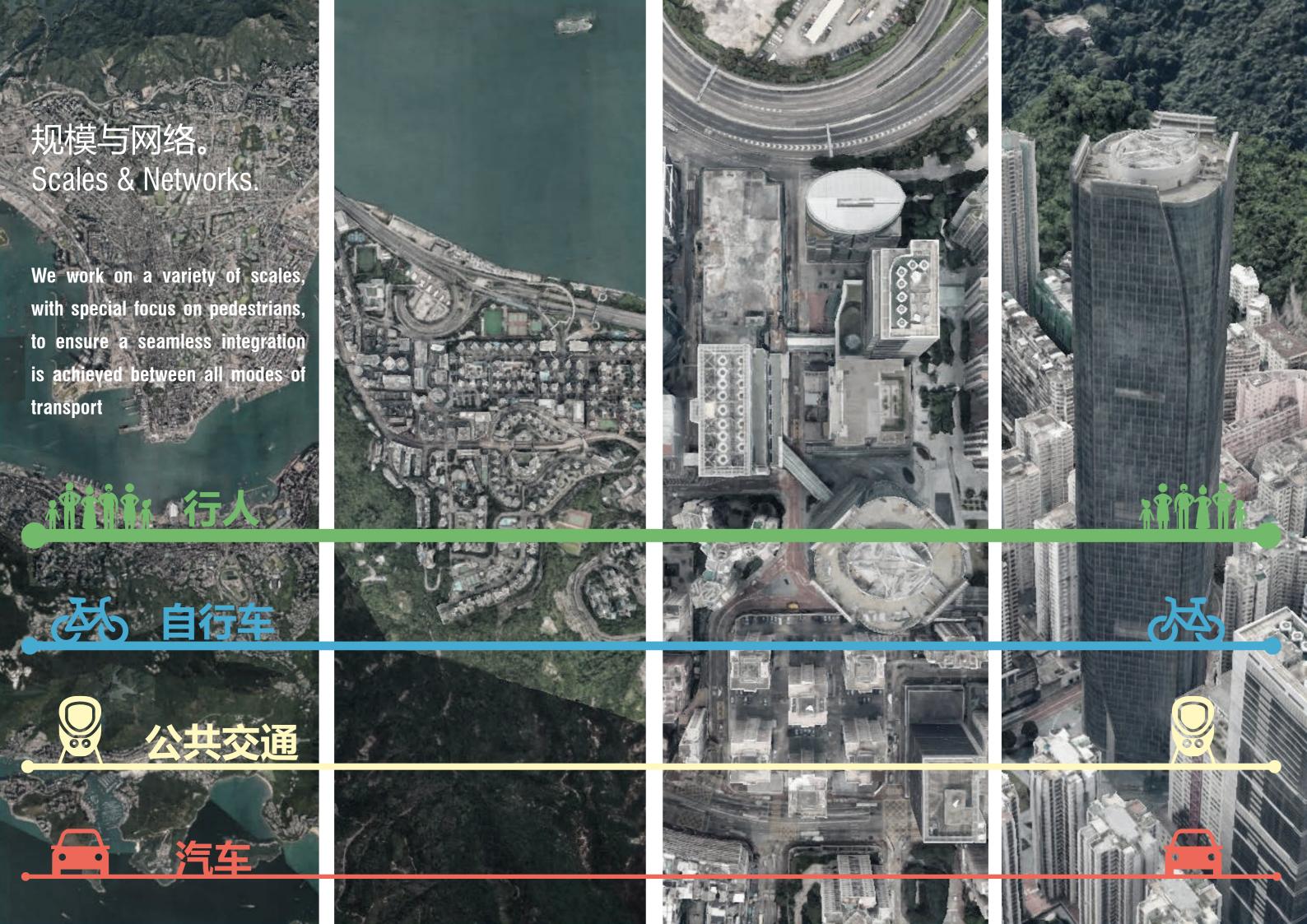




And Transit Oriented Development complexes with pedestrian dominated circulation...

人本导向,公交优先的综合体开发...





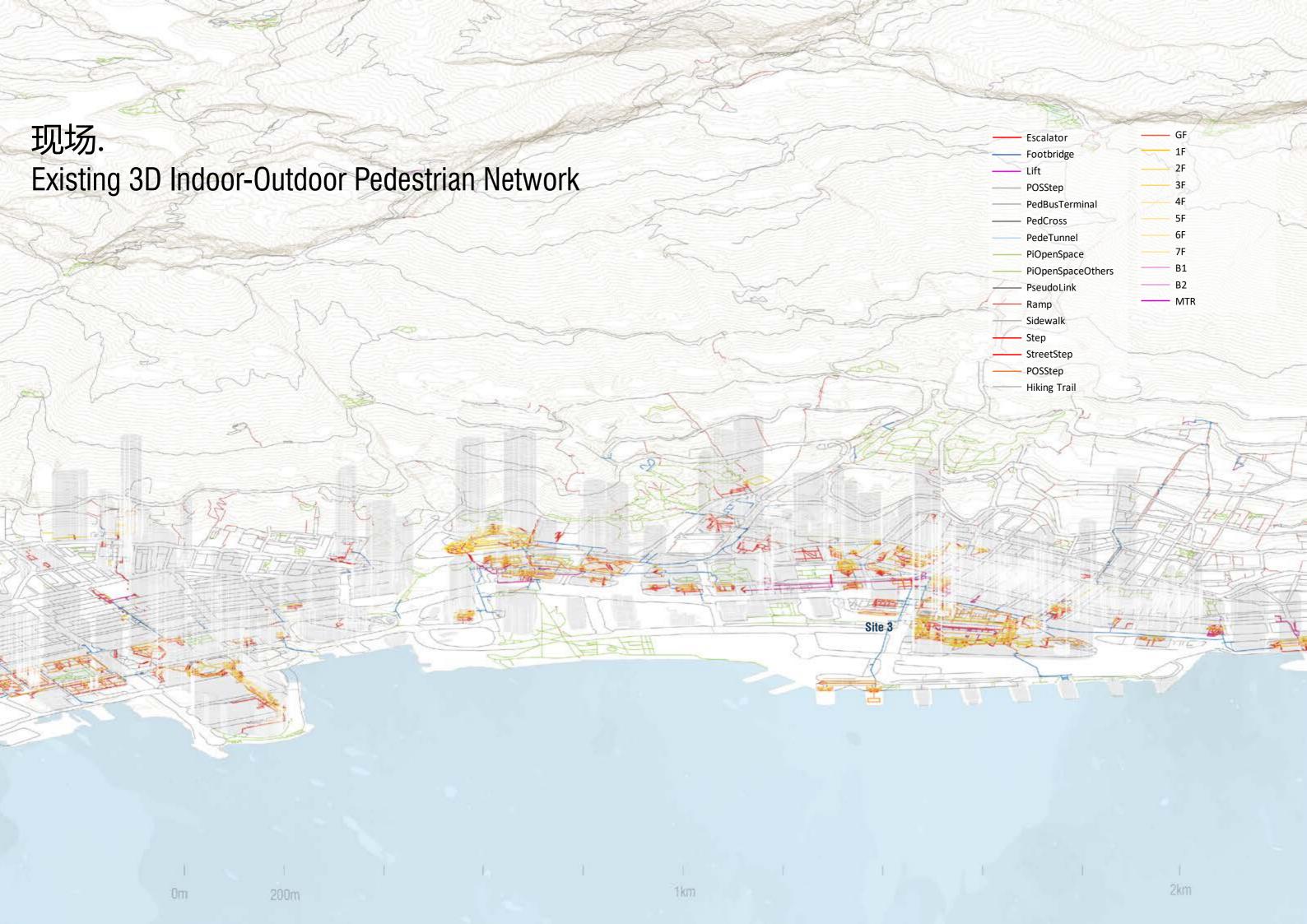


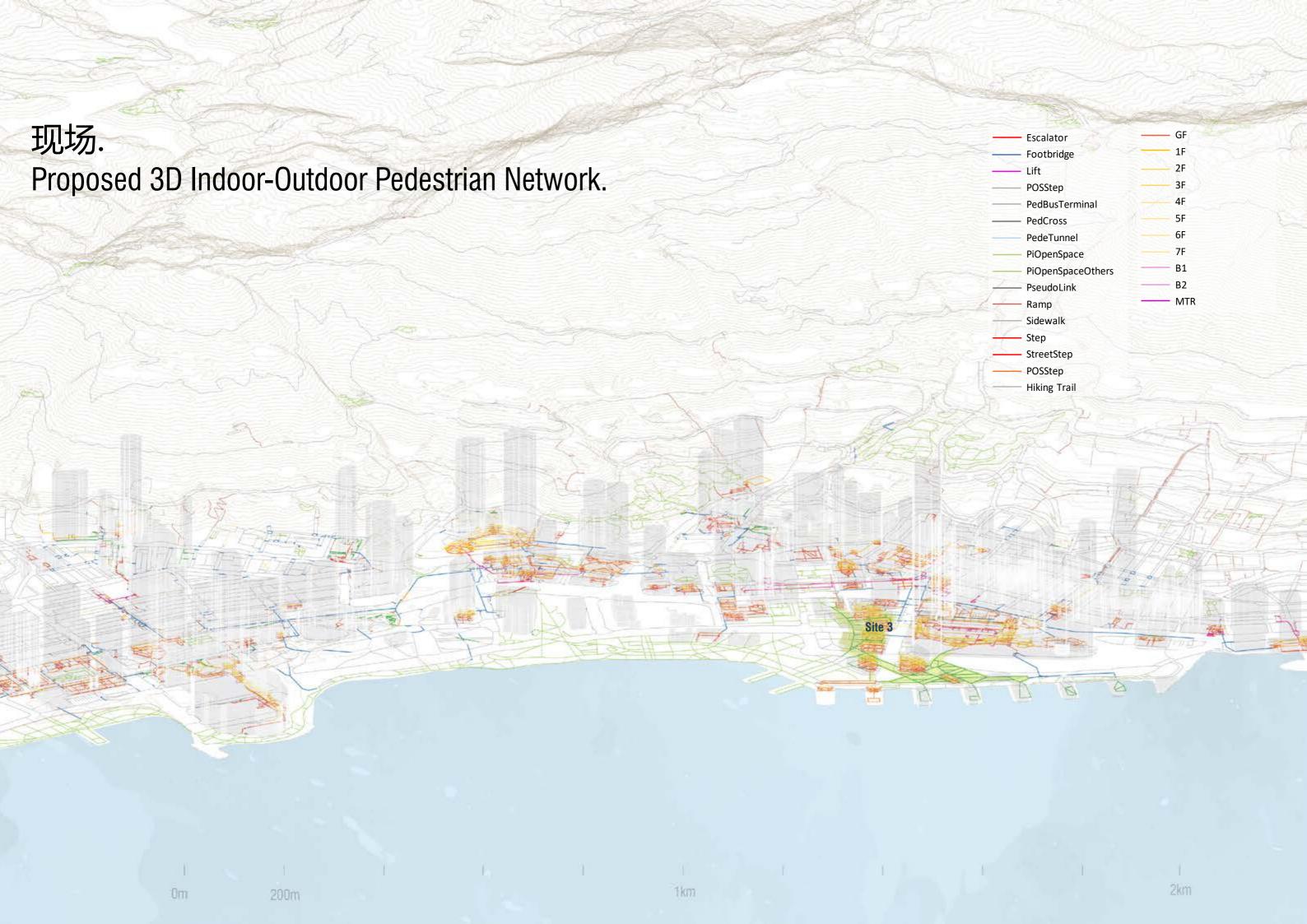
## 现场. Site.

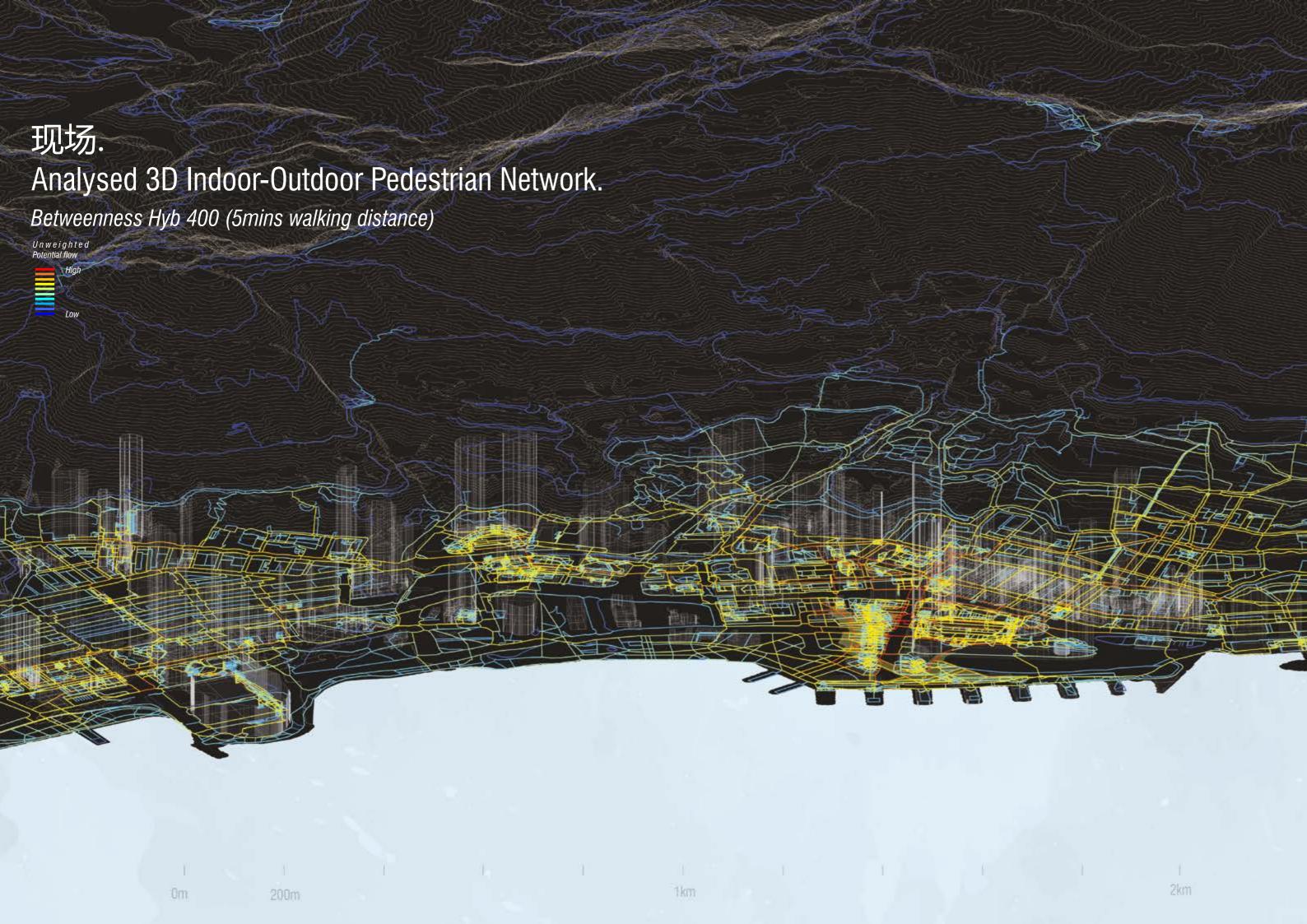
Site 3, along the Hong Kong's iconic waterfront, is the last piece of opportunity for the city to develop something more valuable for its people. We developed a detailed 3D indoor-outdoor pedestrian network of what can be touted as one of the most complex multi-dimensional areas in the world.









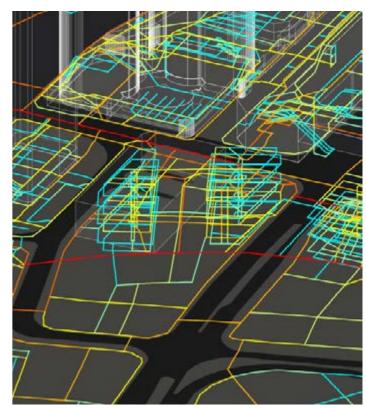


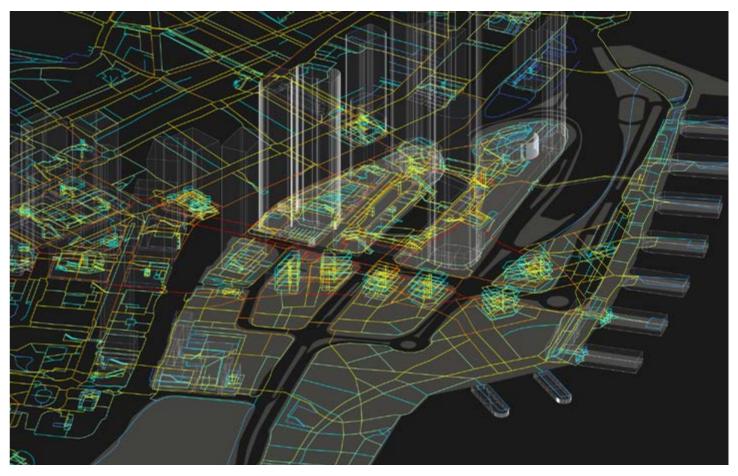
现场. Analysed 3D Indoor-Outdoor Pedestrian Network.

Betweenness Hyb 400 (5mins walking distance)









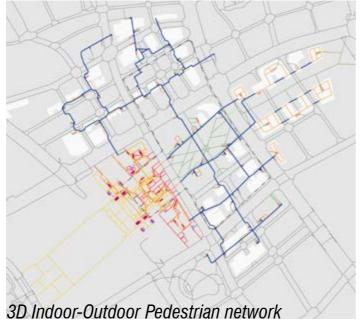
Place Matrix Design Consultancy 31



## 现场. Site.

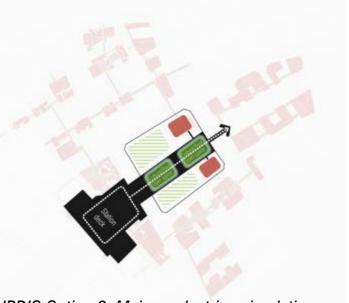
Collaborating with MLA + and Guanzhou UPDIS Option 1: Major pedestrian circulation Transport Planning Institute, we aimed at including evidence-based analysis within the master planning process by evaluating design options through the means of a pedestrian network. Recommendations and suggestions on people flows and catchments were made to optimise on circulation in a complex TOD neighbourhood.







UPDIS Option 1 Evaluation based on 3D pedestrian network circulation



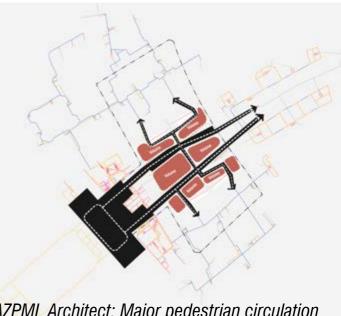
UPDIS Option 2: Major pedestrian circulation



3D Indoor-Outdoor Pedestrian network



UPDIS Option 2 Evaluation based on 3D pedestrian network circulation



AZPML Architect: Major pedestrian circulation

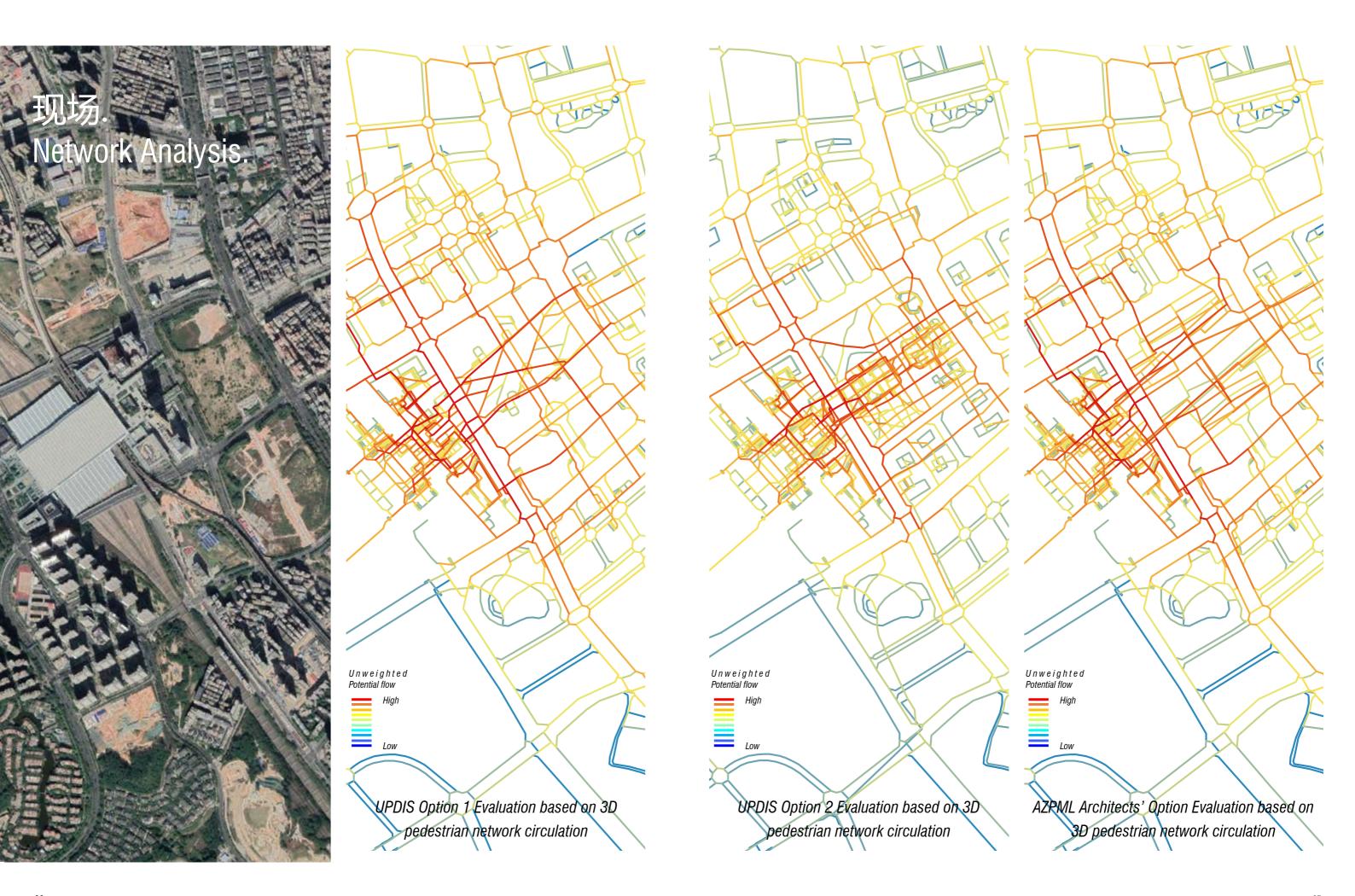


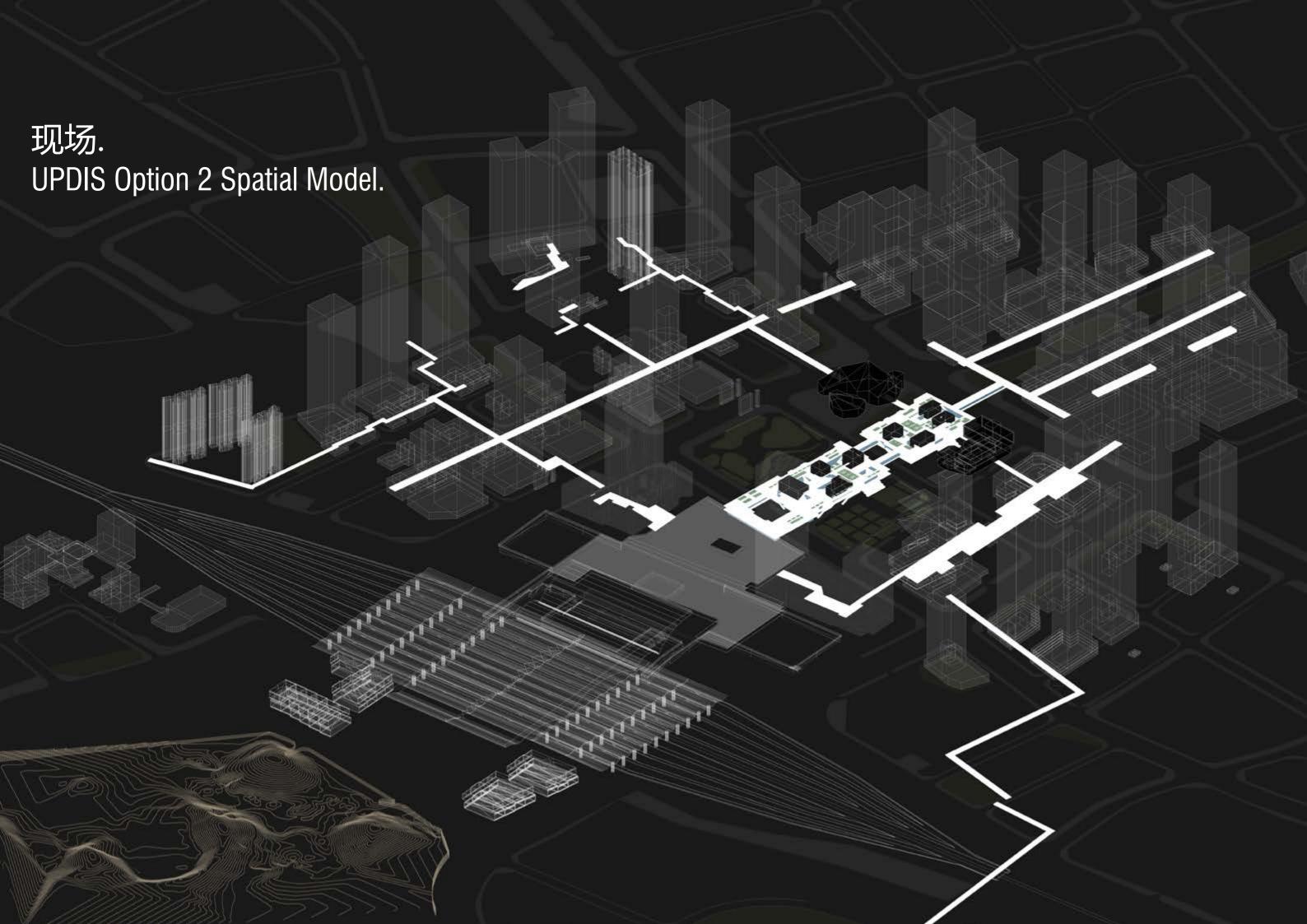
3D Indoor-Outdoor Pedestrian network



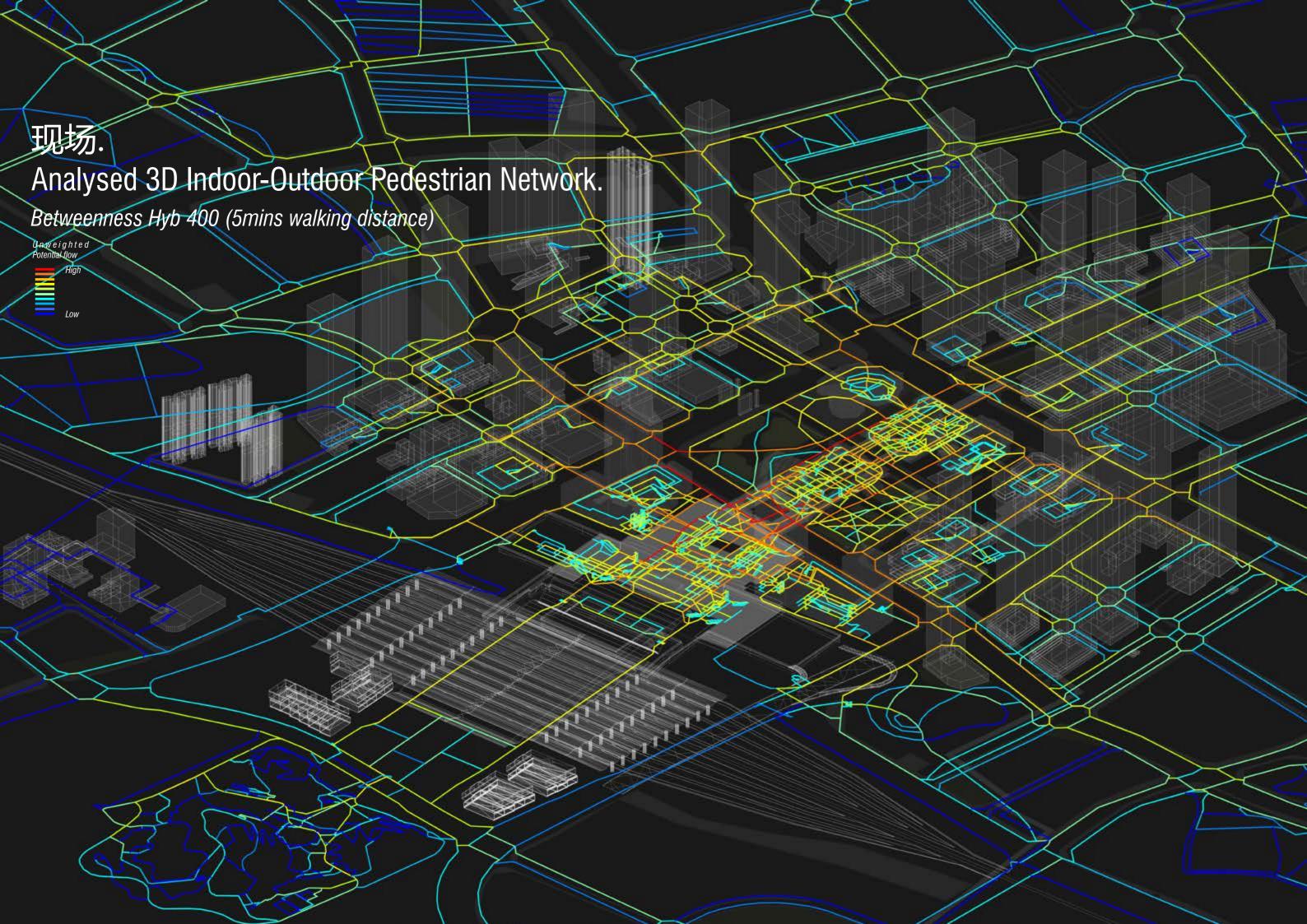
AZPML Architects' Option Evaluation based on 3D pedestrian network circulation

Place Matrix Design Consultancy





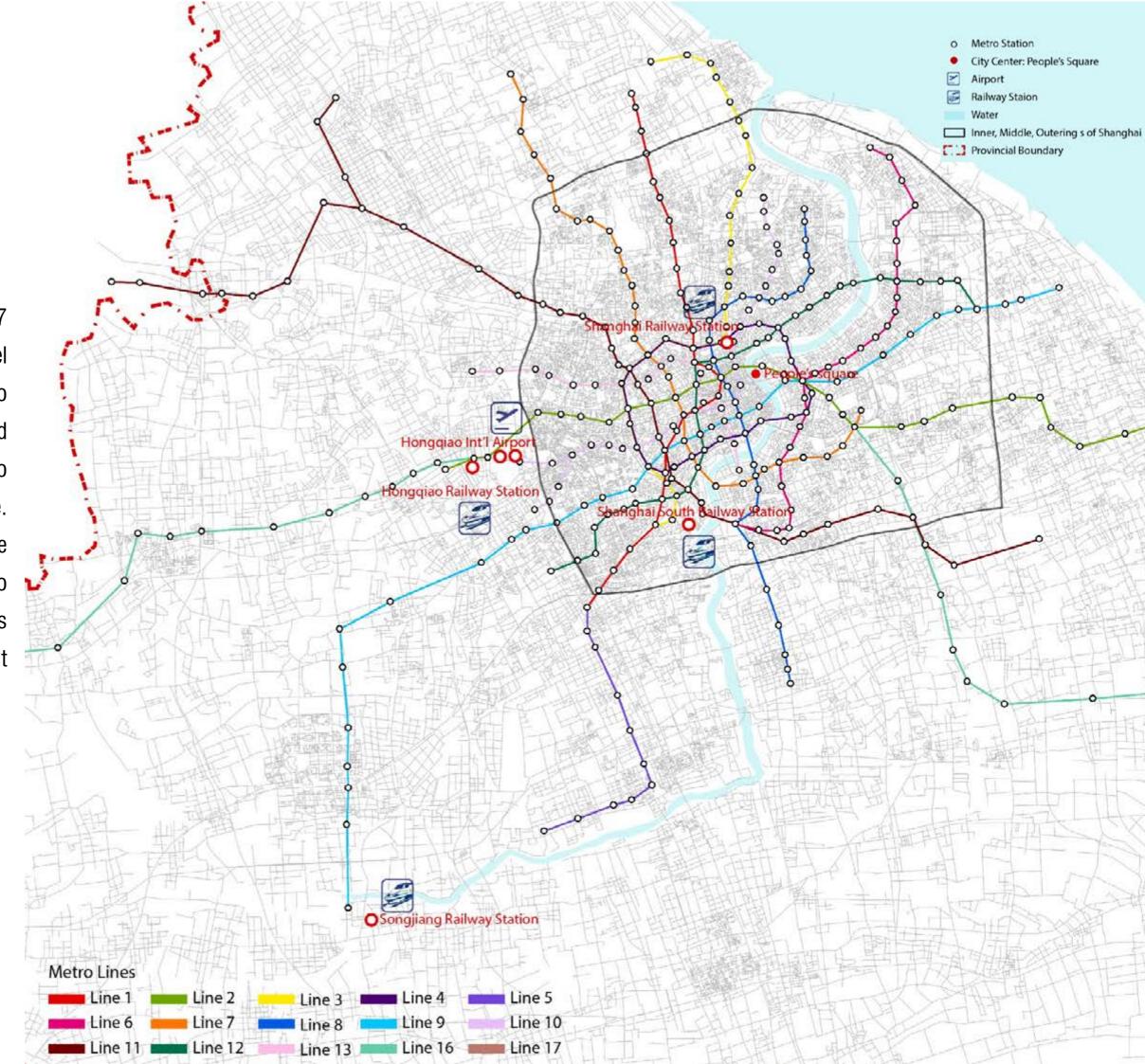






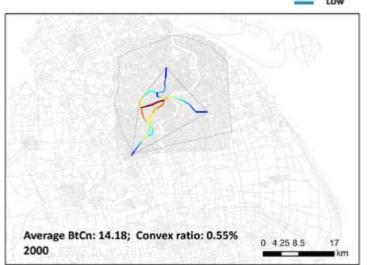
## 现场. Site.

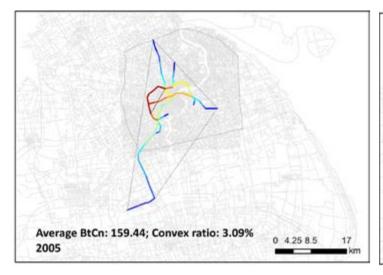
Using Shanghai metro system 2017 as baseline, we consider the novel morphological alternative scenario of two overlapping ellipses and compare its relative performance to the moretraditional ring metro line. The analysis is especially useful at the strategic conceptual planning phase, to test different network design scenarios alongside conventional transport planning tools.

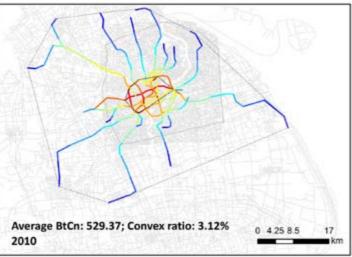


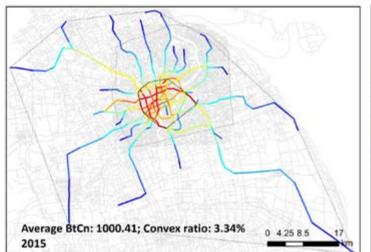
## 现场. Network Evolution.

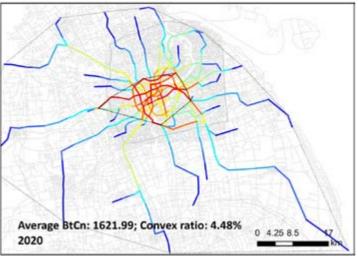


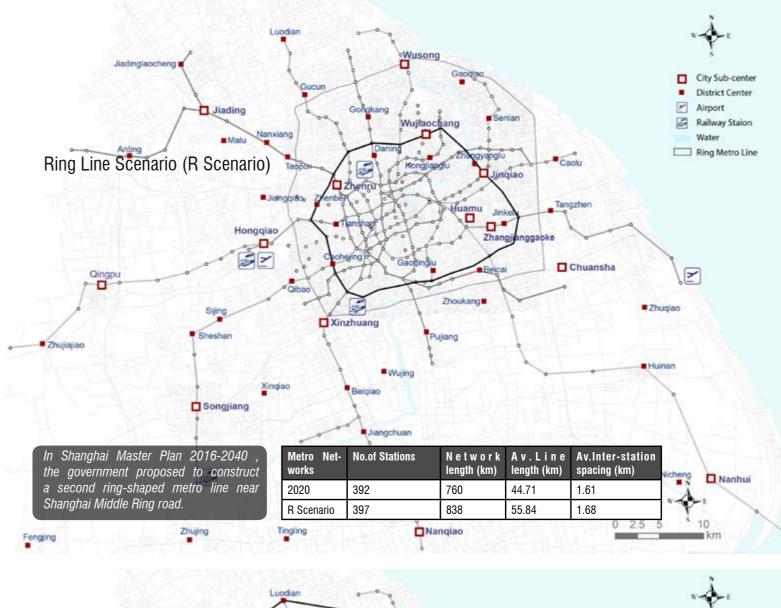


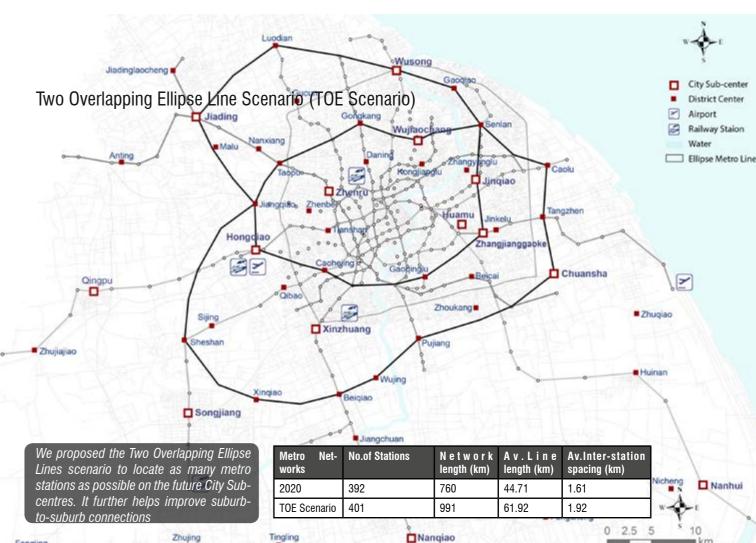


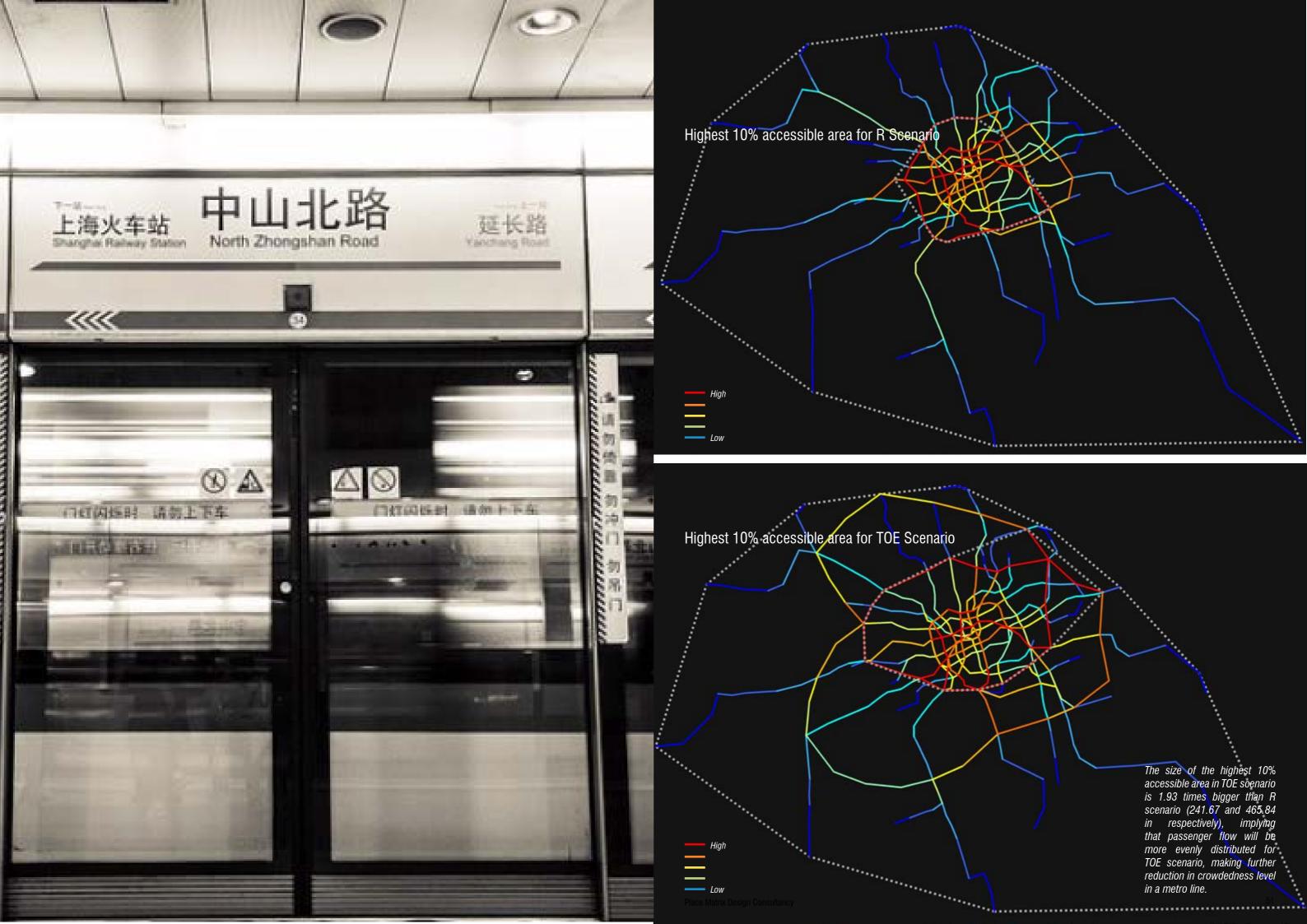




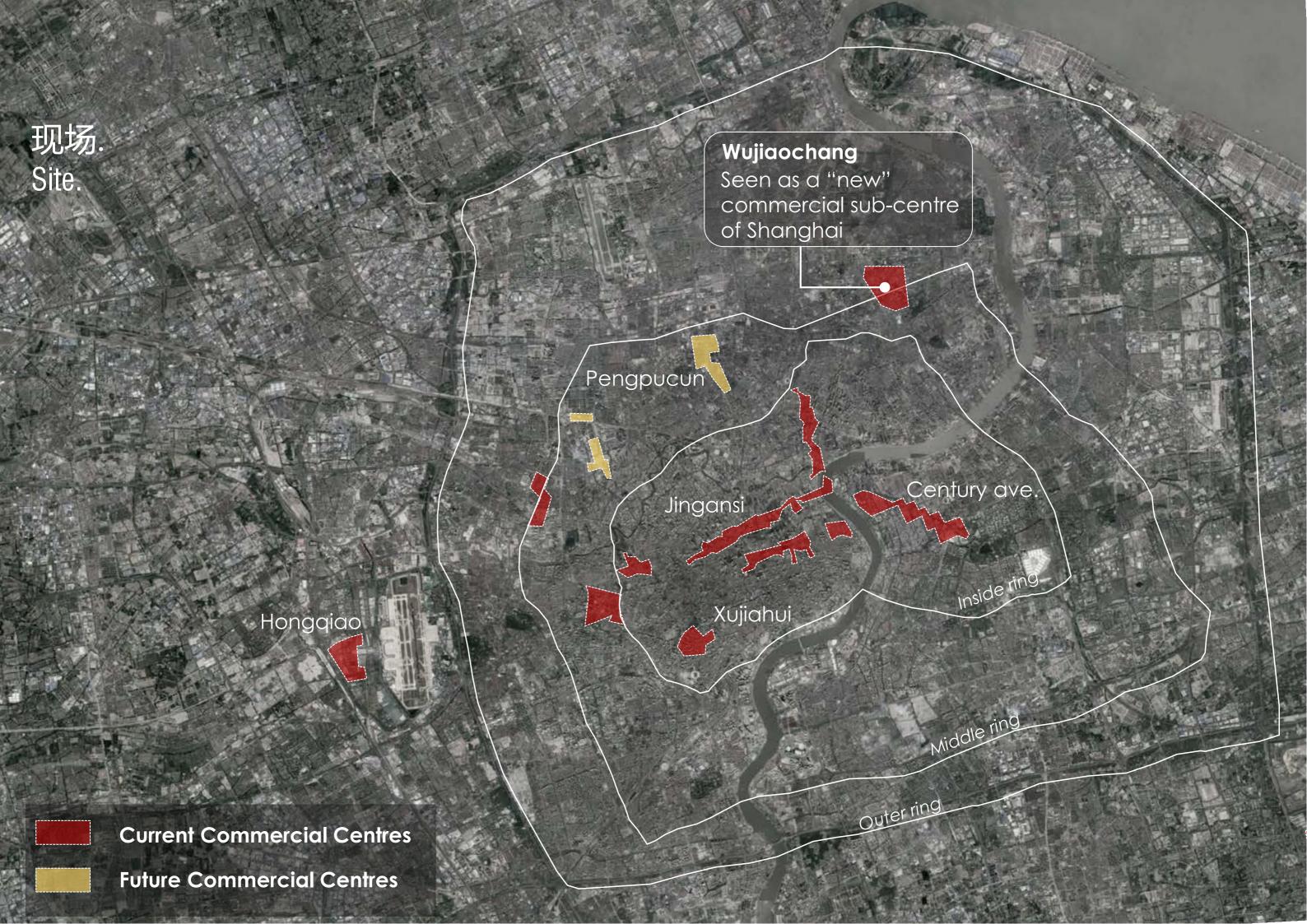






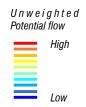


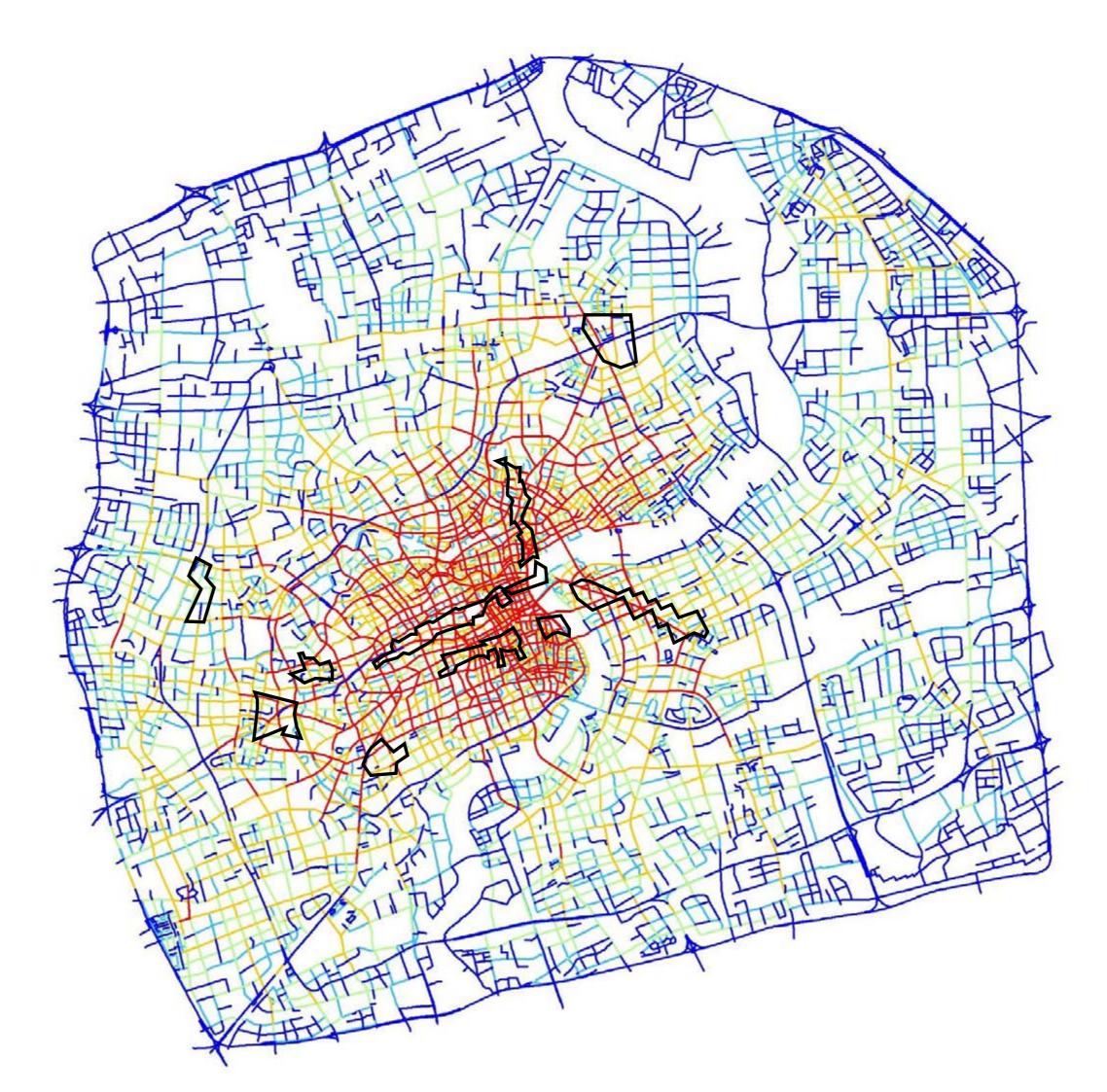


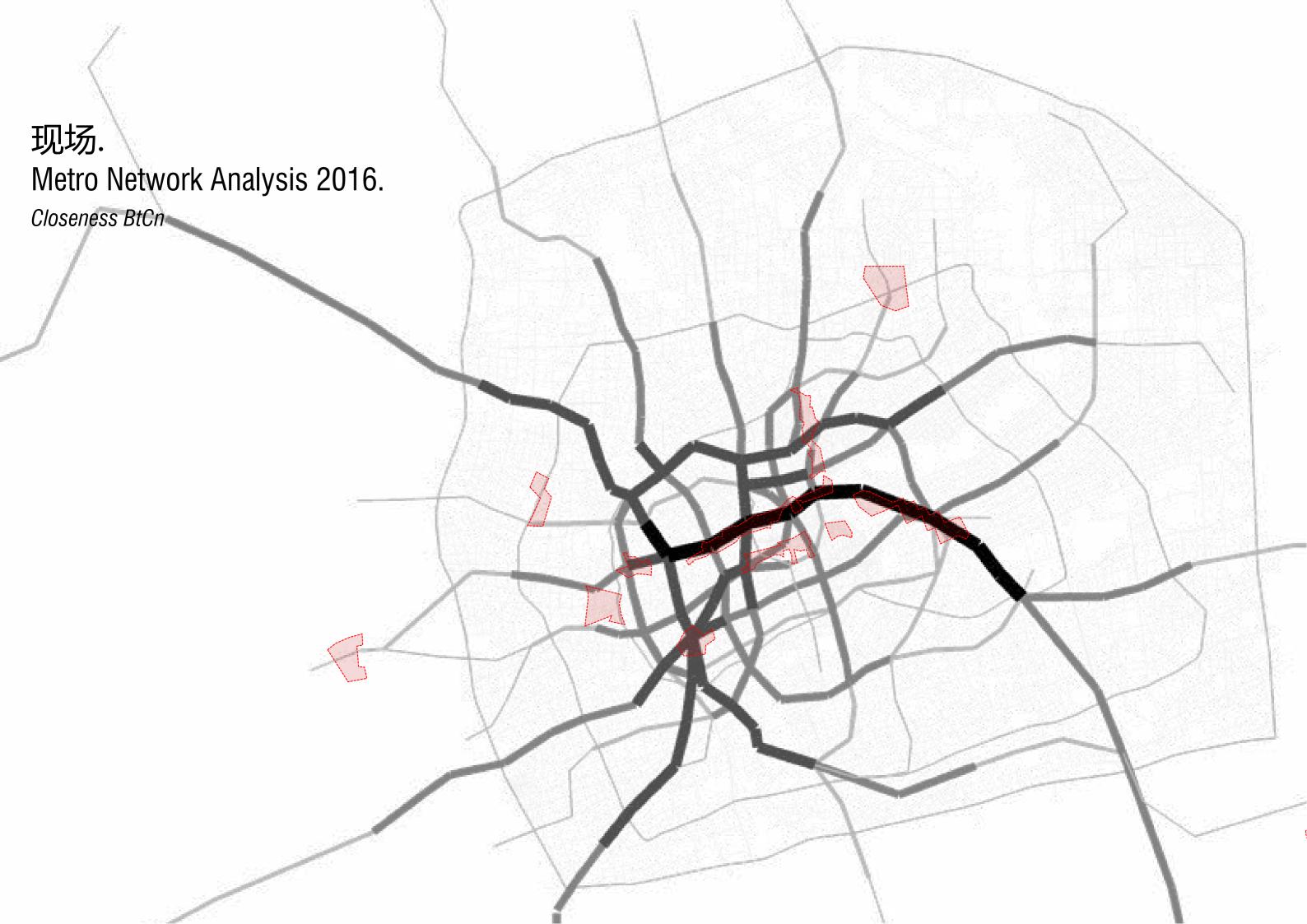


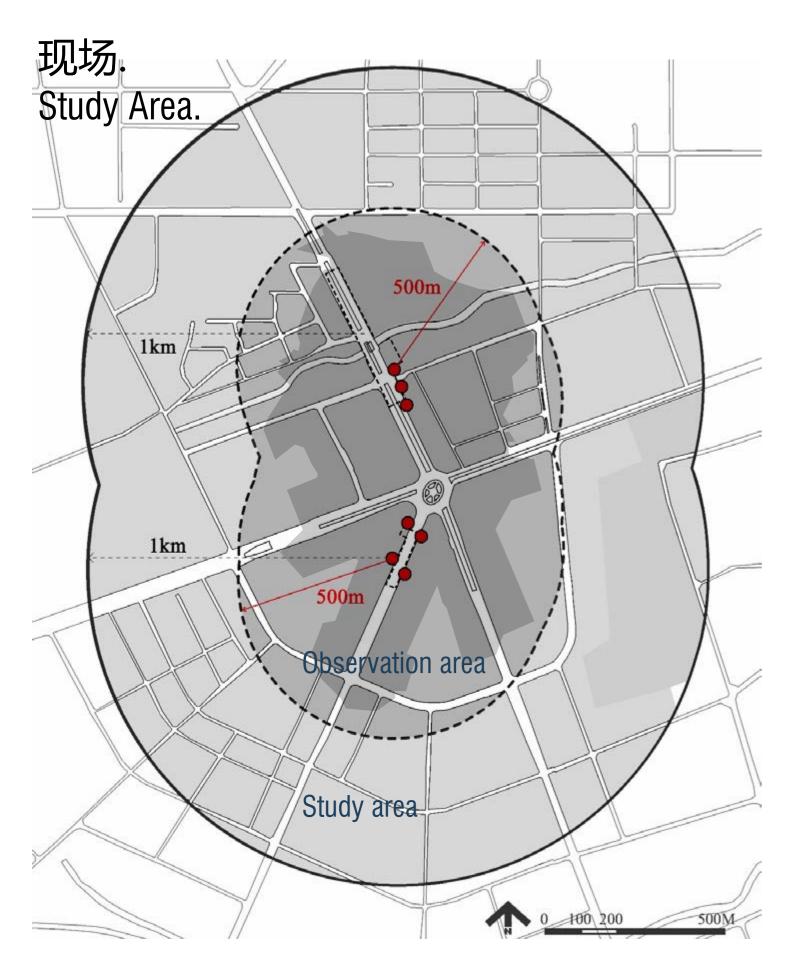
# 现场. Road Network Analysis.

Betweenness Hyb 500





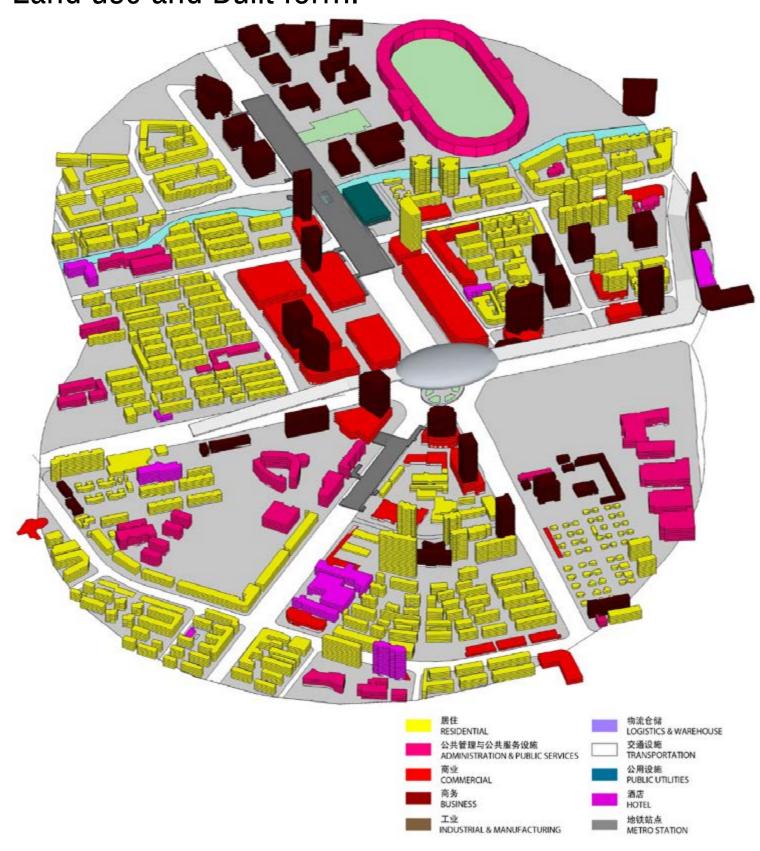






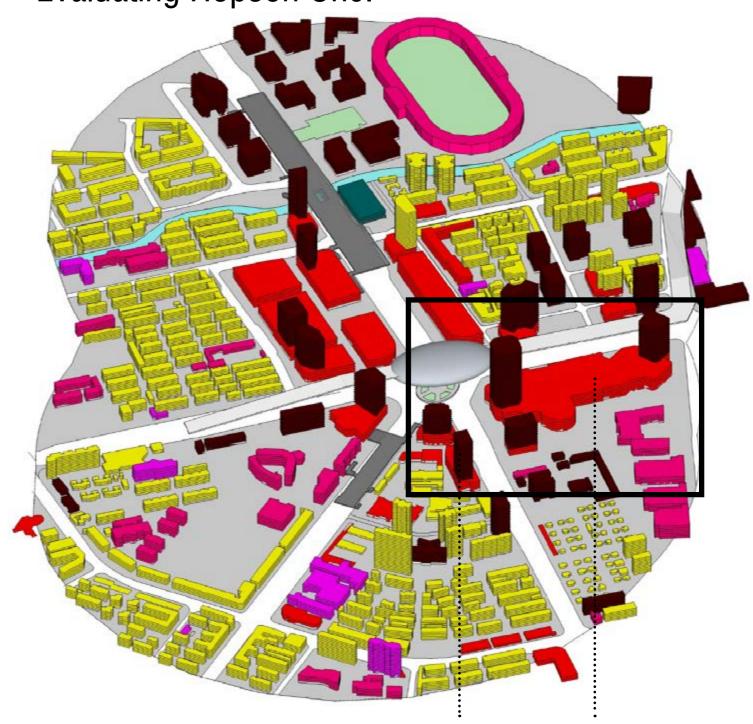
现场.

Land use and Built form.



# 现场.

Evaluating Hopson One.



New addition of "Hopson One" Shopping mall and newly refurbished UMAX

现场. Analysed 3D Indoor-Outdoor Pedestrian Network.

