

FREE INFORMATION ZONE: AN URBAN ECOSYSTEM FOR 21st CENTURY PRODUCTION

DENG KUN, LIU CHANG, MARY LYNCH-LLOYD,
CARLOS SAINZ CACCIA, WANG YI, YU SIYAO

2016 INTERNATIONAL JOINT URBAN DESIGN STUDIO
联合城市设计工作室

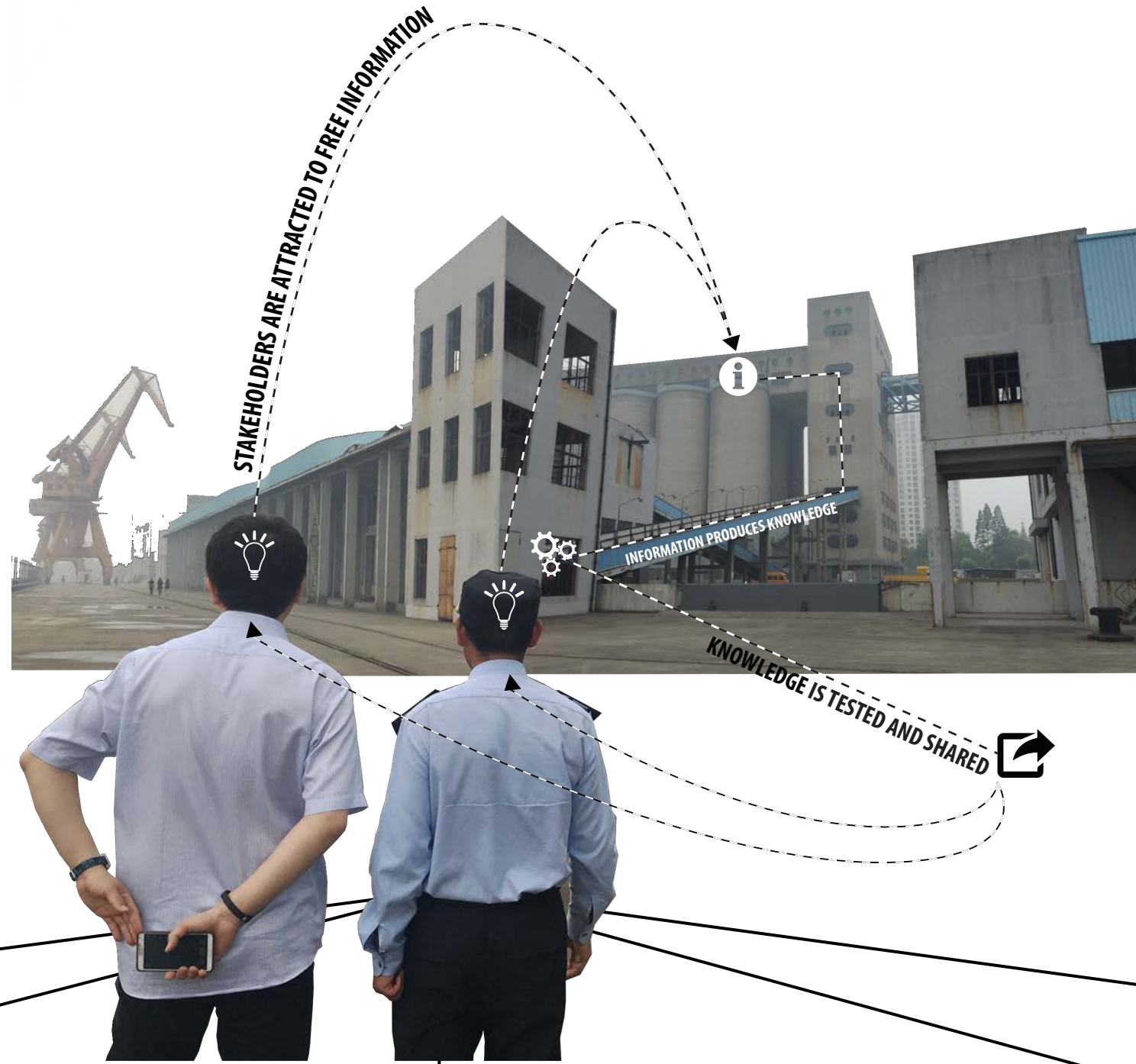
+ Conservation and Redevelopment of Industrial Heritage: Shanghai Minsheng Dock
上海民生码头区域城市设计与城市更新



Concept Development 图片/图纸/模型/手绘/草图

This project is based on information as the seed of a new kind of production, one for the 21st century. It is the production of knowledge, which, in our urban ecosystem, is tested, shared, and then archived and curated to inform the new waves of knowledge in the future. This information seed is what attracts the various stakeholders from Shanghai and the world and what creates a thriving, balanced ecosystem of knowledge production and sharing. This vibrant environment in turn attracts others for different reasons—for cultural events, for shopping, for restaurants, for a beautiful waterfront, for daily recreation, for medical consultation, and for the contemporary experience of Chinese space.

本项目是面向21世纪，基于信息资源的新式生产。作为知识生产的基础，信息在城市的生态系统中被创造、分享、并存储在数据库中，以应对未来的知识。信息资源将吸引许多来自上海和世界的投资者，并创造一个充满活力和知识生产的新生态系统。这个充满活力的环境也将吸引许多来此购物、散步、休闲的市民。



Principles 项目原则

Five principles inform the development of the concept:

- Accessibility
- Transparency
- Linking
- Density
- Cross-Pollination

ACCESS

Free Information 图片/图纸/模型/手绘/草图

Access to free information is the most important principle of this project. Free information is the seed which will grow new types of knowledge, enabling sustainable development through the future. Access to free information will be provided through free access to the site, an archive in which historical and new waves of information will be stored and curated, and through the experiences of the "loop," a raised circulation platform that gives access to areas of production traditionally closed off to the public.

信息自由是本项目最重要的原则。信息自由是知识生产的种子，也是可持续发展的基础。通过免费访问场地、存储和策展历史信息及新信息流的档案，以及通过“回路”的体验，为传统上对公众关闭的生产区域提供访问。回路是一个抬高的循环平台，为传统上对公众关闭的生产区域提供访问。

TRANSPARENCY

Formal and Conceptual 图片/图纸/模型/手绘/草图

Transparency of information, ideas, processes and forms is an important aspect of this proposal. It is a strategy which is inclusive of local populations, and enables those in search of knowledge to actually find it. This will result in a better educated and more empowered public body, which will in turn spur innovation and development of the future, and create an exciting environment to inhabit.

信息、想法、过程和形式的透明性是提案的一个重要方面。这是一种包容当地人口的战略，使寻求知识的人能够实际找到它。这将导致一个受过更好教育、更具赋权的公共群体，这将反过来促进未来的创新和开发，并创造一个令人兴奋的环境。

LINKING

Local and Global 图片/图纸/模型/手绘/草图

This project is based on information as the seed of a new kind of production, one for the 21st century. It is the production of knowledge, which, in our urban ecosystem, is tested, shared, and then archived and curated to inform the new waves of knowledge in the future. This information seed is what attracts the various stakeholders from Shanghai and the world and what creates a thriving, balanced ecosystem of knowledge production and sharing. This vibrant environment in turn attracts others for different reasons—for cultural events, for shopping, for restaurants, for a beautiful waterfront, for daily recreation, for medical consultation, and for the contemporary experience of Chinese space.

本项目是面向21世纪，基于信息资源的新式生产。作为知识生产的基础，信息在城市的生态系统中被创造、分享、并存储在数据库中，以应对未来的知识。信息资源将吸引许多来自上海和世界的投资者，并创造一个充满活力和知识生产的新生态系统。这个充满活力的环境也将吸引许多来此购物、散步、休闲的市民。

DENSITY

24 Hour Place 图片/图纸/模型/手绘/草图

Introducing density is a key strategy to create a neighborhood place that is active 24 hours a day. By inserting a residential floor area nearly equal to the existing floor area, the presence of a residential community will be felt and will begin to craft the site into a locale that is inviting and unique. Additionally, the daytime presence of workers, researchers, scholars and artists will complement the residential atmosphere, and restaurants, stores, and cultural venues will attract visitors into the night.

高密度是创造全天候社区的关键策略。通过插入与现有楼层面积几乎相等的住宅楼层面积，项目的存在将被感受到，并将开始将场地塑造成一个令人邀请和独特的场所。此外，白天工作者的存在、研究人员、学者和艺术家的存在将补充住宅氛围，而餐馆、商店和文化场所将吸引访客在夜间。

CROSS-POLLINATION

Program Integration 图片/图纸/模型/手绘/草图

Using the principles of the traditional Chinese garden, this project uses different kinds of openings and circulation through space to create programmatic juxtapositions. These juxtapositions will enable different disciplines to learn from and inspire one another, making the site into a true laboratory in which knowledge and ideas flourish in a free zone of information. Each public space is shaped by buildings with different types of programs, activating the spaces and imbuing them the energy of learning and creativity.

通过采用中国传统园林的原则，本项目使用了不同的开敞空间和通过空间的程序 juxtapositions。这些 juxtapositions 将使得不同的学科能够相互学习和启发，使该场地成为一个真正的实验室，在那里知识和思想在信息的自由空间中蓬勃发展。每个公共空间都是由具有不同类型的程序的建筑物塑造的，激活了空间并赋予了学习和创造力的能量。



Considerations 图片/图纸/模型/手绘/草图

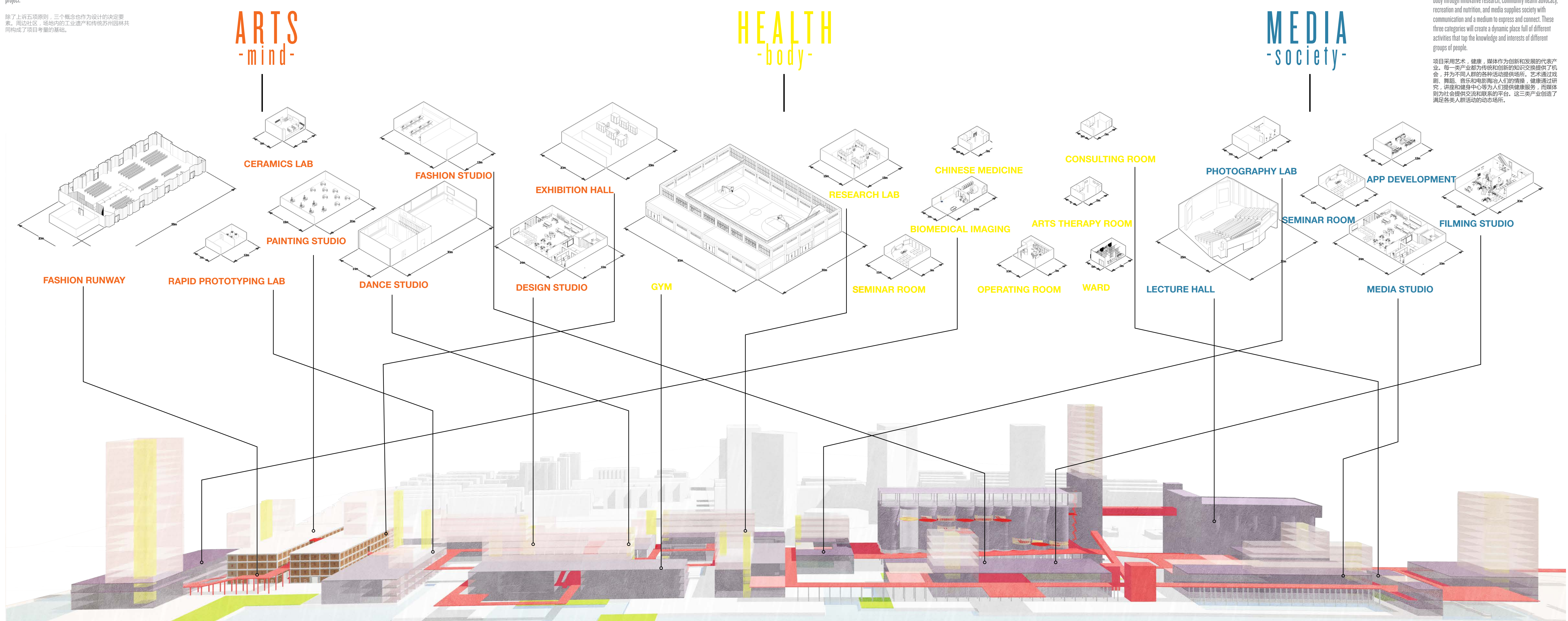
In addition to the five principles, three ideas were considered which assisted in resolving design decisions. The neighboring community, the industrial heritage of the site, and the traditional idea of Chinese space as seen in gardens like Suzhou Gardens constitute the primary considerations of the project.

除了上述五项原则，三个概念作为设计决策的辅助。邻近社区、场地的工业遗产和传统中国园林中的苏州园林构成了项目的主要考虑因素。

Programs 图片/图纸/模型/手绘/草图

The three programmatic categories, the arts, health, and media, were chosen because taken together they represent a balanced strategy for innovation and development. Each category presents opportunities for both traditional and innovative practices and knowledge exchange, as well as activities for people with different interests. The arts nourish the mind through cultural events like theater, dance, music and film, health nourishes the body through innovative research, community health advocacy, recreation and nutrition, and media supplies society with communication and a medium to express and connect. These three categories will create a dynamic place full of different activities that top the knowledge and interests of different groups of people.

这三个程序类别，艺术、健康和媒体，被选中是因为它们共同代表了一种平衡的创新和发展策略。每个类别都为传统和创新实践以及知识交换提供了机会，并为不同兴趣的人提供了活动。艺术通过戏剧、舞蹈、音乐和电影等文化活动滋养思想，健康通过创新研究、社区健康倡导、休闲和营养滋养身体，媒体则为社会提供沟通和表达的媒介。这三个类别将创建一个充满不同活动、知识和兴趣的活跃场所。



FREE INFORMATION ZONE: AN URBAN ECOSYSTEM FOR 21st CENTURY PRODUCTION

DENG KUN, LIU CHANG, MARY LYNCH-LLOYD,
CARLOS SAINZ CACCIA, WANG YI, YU SIYAO

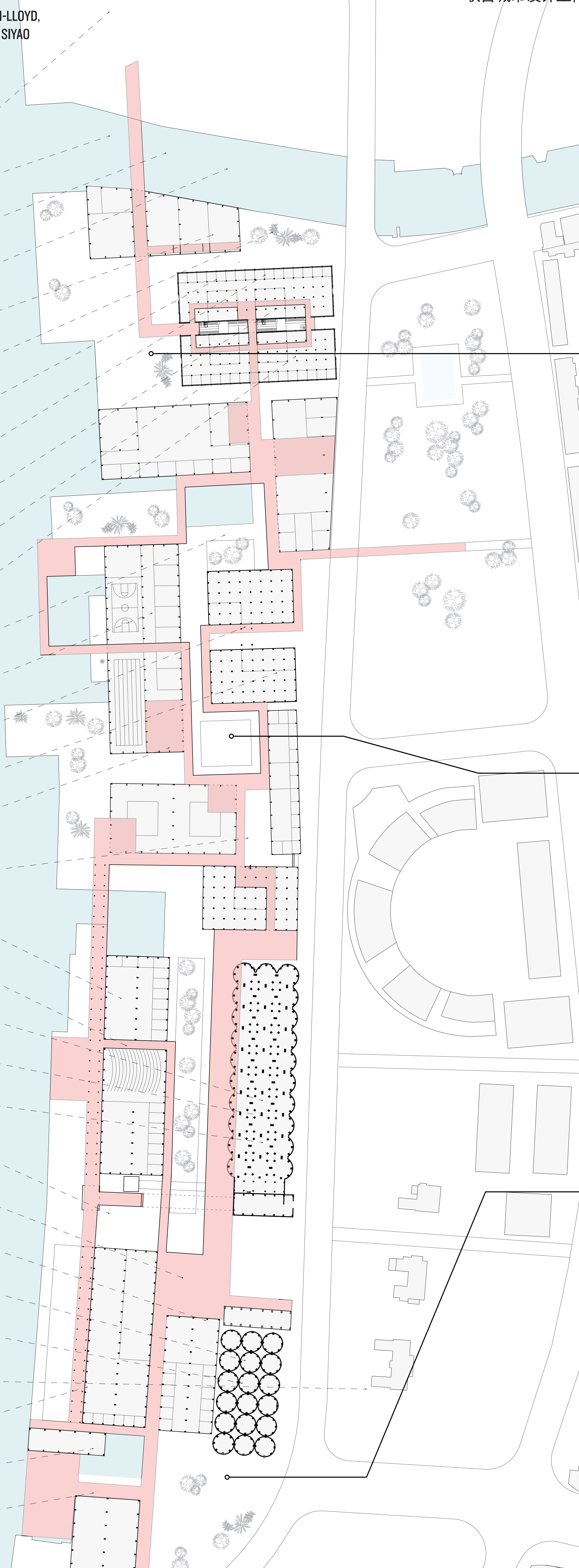
2016 INTERNATIONAL JOINT URBAN DESIGN STUDIO
联合城市设计工作室

+ Conservation and Redevelopment of Industrial Heritage: Shanghai Minsheng Dock
上海民生码头区城市设计与城市更新



LOOP PLAN

- Future Development: Medical Center
未来开发: 医学中心
- Hotel
旅馆
- Bio-Medical Imaging
生物医学影像
- Community Health Advocacy
社区健康推广
- Ceramics Lab
制陶工坊
- Wood Shop
木工坊
- Rapid Prototyping
快速成型
- Metal Shop
金属艺术工坊
- Fashion and Art Studios
时尚和艺术工作室
- Optical Media Development
光学影像实验室
- Medical Research and Art Therapy
医学研究和艺术疗法
- Graphic Design
图像设计
- Recreation Center and Gym
健身中心
- Architecture Studios
建筑工作室
- Motion Graphics Media
动态捕捉技术
- Communications and App Development
社交软件及应用开发
- Nutrition and Food Science
食物营养科学
- Theater
剧场
- Dance Studios
舞蹈工作室
- Archive
信息中心
- Exhibition Space
展示空间
- Residential Tower
高层住宅
- 3D Technologies
3D技术
- Music Venue
音乐会
- Music Studios
音乐工作室
- Education Hub
教室
- Outdoor daily market
室外集市
- Historic Park
历史公园
- Food Science Test Kitchen and Restaurant
健康食品厨房和餐厅
- Ferry Terminal
游船码头
- Hotel
旅馆



Focus Area 3



Optical
图片/图纸/模型/线条/不差

The working theme in this focus area is the visual image. With the visual arts center located in the old 6502 factory, neighborhood by biomedical imaging research facility and an optical media development center, looking or not creating image is the basic activity that crosses disciplines and builds a common public ground. The fashion runway caters through and beyond the arts building, and a sculpture garden animates the green space on the waterfront. Large "soft scenes" adorn the exterior of the optical media building, broadcasting images taken by the public in the space. Restaurants and retail spaces, especially the fashion boutiques of the resident designers, create public activities around the open space.

Focus Area 2



Haptic
图片/图纸/模型/线条/不差

The central theme that unifies the various programs in this area is haptic, or a sense of touch and perception of objects. A motion graphics laboratory, a fitness center, architecture studios and graphic design offices all focus on the making of physical things, and consider movement and perception as central concepts. In this public space, this idea is illustrated in different forms, sparking new associations and sparking information.

Focus Area 1



Aural
图片/图纸/模型/线条/不差

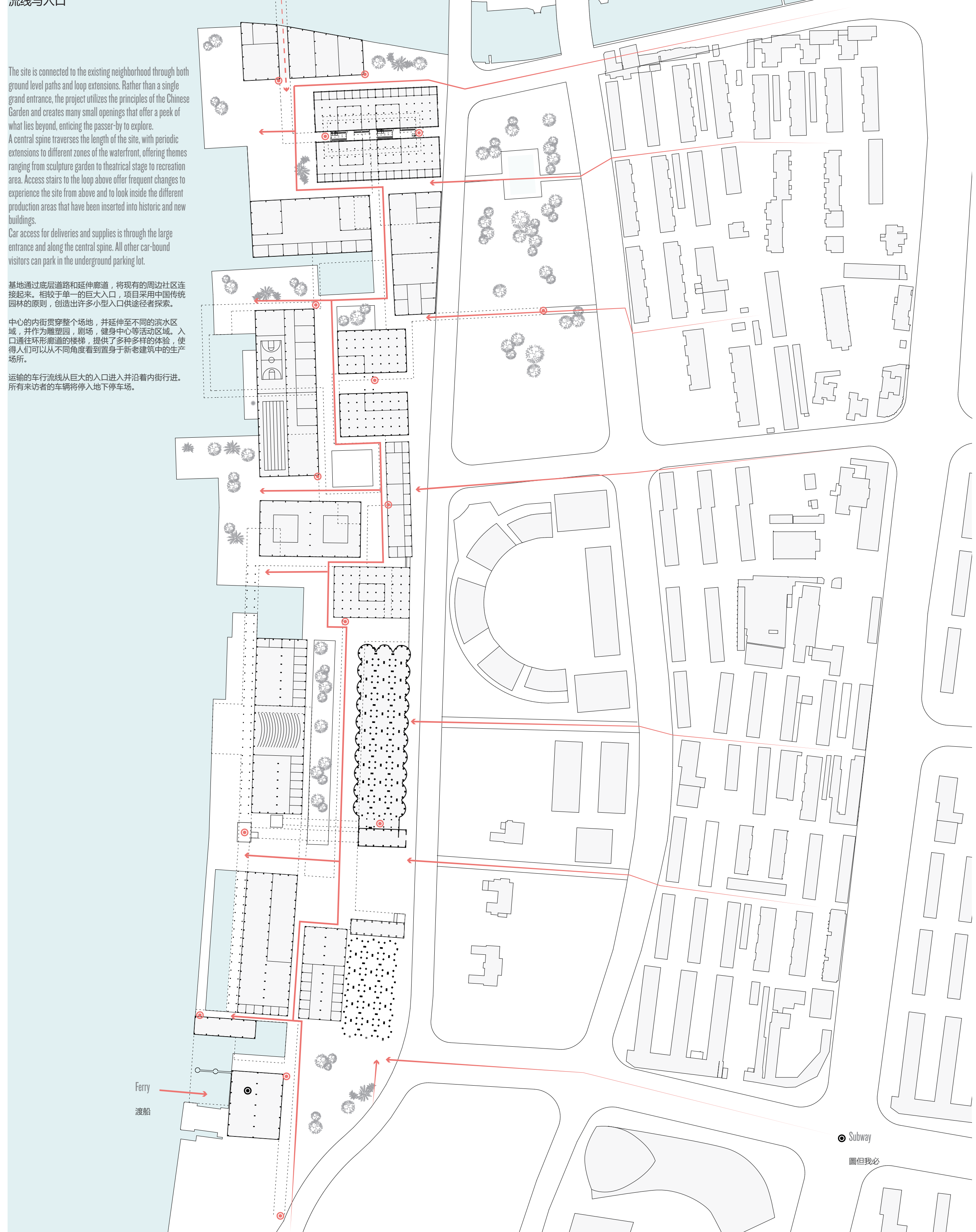
This area highlights the production of knowledge that can be heard and experienced. From the music recording and performing center to the Performing Arts center with an open air theater and dance studio, each program utilizes sound as a central medium. Sound will bleed out of the building to transform the outdoor space into a lively center of activity. Additionally, the specific archive building will act as a landmark for the site, and its open ground floor hosts a market will draw visitors from the ferry terminal and the subway stop.

FREE INFORMATION ZONE: AN URBAN ECOSYSTEM FOR 21st CENTURY PRODUCTION

DENG KUN, LIU CHANG, MARY LYNCH-LLOYD,
CARLOS SAINZ CACCIA, WANG YI, YU SIYAO

PROGRAM AND CIRCULATION

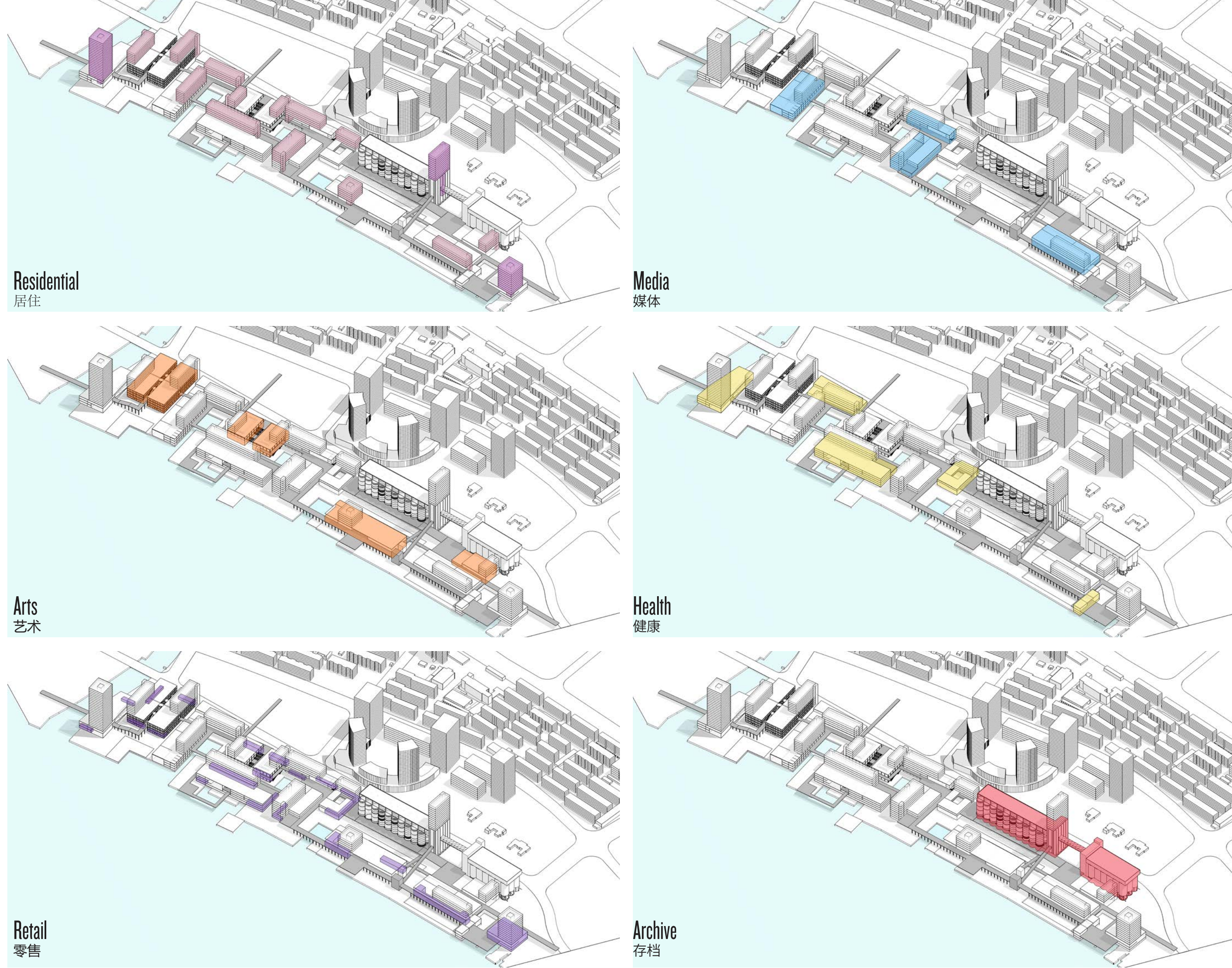
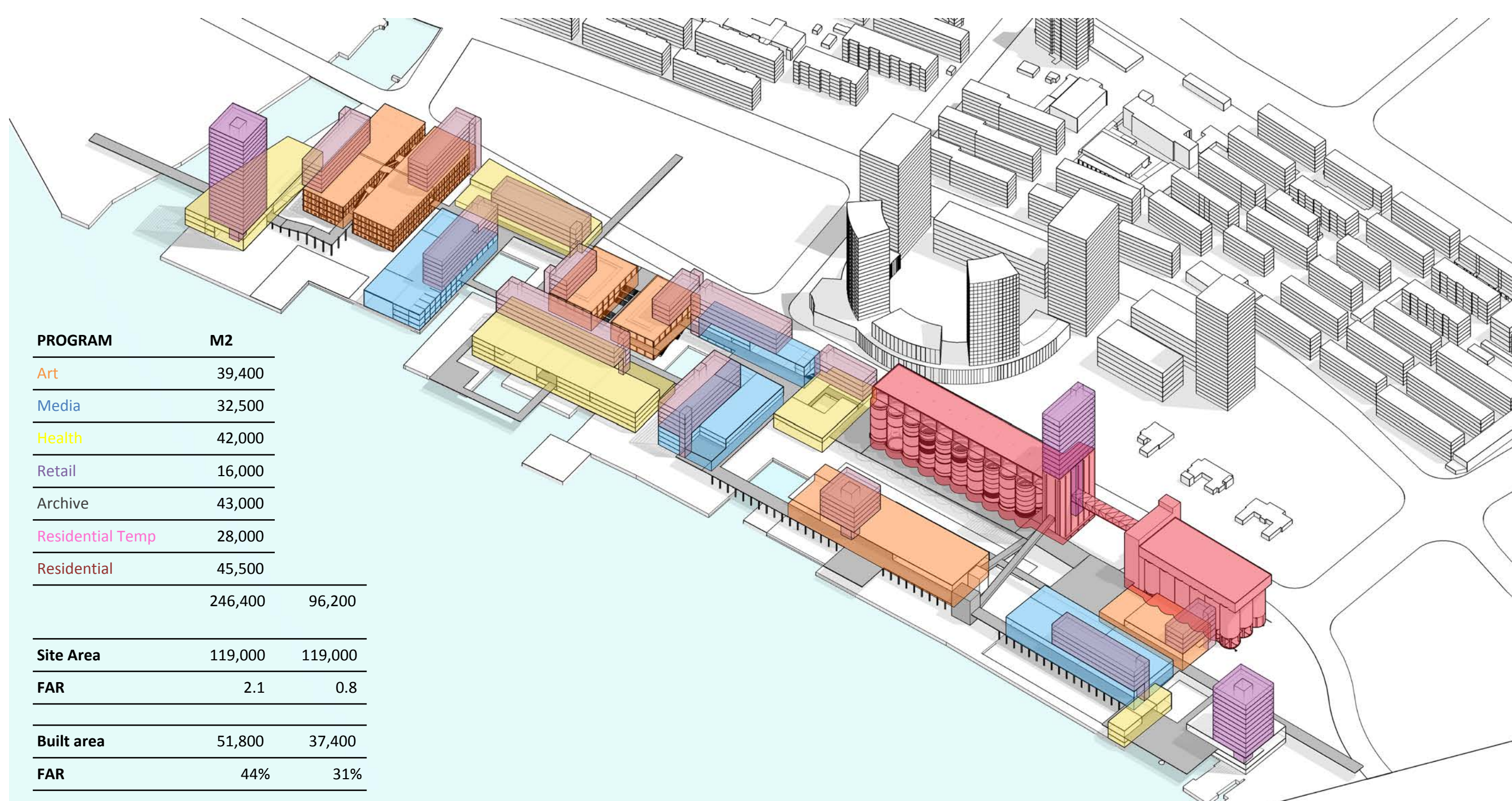
Circulation and Access



2016 INTERNATIONAL JOINT URBAN DESIGN STUDIO

联合城市设计工作室

Conservation and Redevelopment of Industrial Heritage: Shanghai Minsheng Dock
上海民生码头区城市设计与城市更新



Program Distribution

Rather than dividing the site into thematic zones, the project embraces the true spirit of mixed use. Surrounding each outdoor public space is a cluster of differently programmed buildings, creating spaces that are activated by the different activities the buildings around them support. The result is a patchwork of uses, activities, and moods, each with its own distinct personality.

Residential

The residential program is constituted primarily of mid-rise additions above the existing and new buildings. The scheme echoes the form and fabric of the existing community, but accesses it in a contemporary, forward-thinking way. The residences are accessed in the ground level of the buildings they rest upon, creating a meeting point of residents, visitors, tourists and workers in ground level entries.

Media

Media buildings reside primarily in new constructions, in addition to a few existing buildings. Like other programs, they are organized by a three-space type principle. Large, double or triple height spaces are for making/showing, large open single height spaces are for making/working, and small rooms are for individual work. This enables a variety of media industries to use the buildings.

Arts

Arts buildings make use of some of the most spectacular existing buildings on the site, taking advantage of the character of the buildings to offset the creativity occurring within. Like the media spaces, the arts buildings also contain large making spaces, open flexible working spaces, and smaller individual studios. Ground levels of these buildings are generally particularly accessible, with retail and experiential opportunities.

Health

Quipped in a gradient from the north east end of the site, the health building will connect to a future medical center across the canal. The health research will focus on the most innovative and high-value research, such as biomedical imaging, analysis and modeling. This center will be an integrational restaurant and the medical center. Furthermore, media research in arties will also offer an influence to the medical research. Other areas of health, such as fitness and nutrition, are represented in the recreation center and the food science center and test kitchen restaurant.

Retail and Restaurants

Every public space contains some retail and restaurant element, to create opportunities to pause and enjoy the events happening on the site. The recreation center will have workshop fashion boutiques, with clothes designed by resident fashion designers. The arts center will have arts for sale, and the western sites will host a daily outdoor food market.

Knowledge Archive

The archive, as the cornerstone of the project, the beginning and end of the knowledge production loop, is a place to experience the different forms of knowledge in new ways. An innovative circulation scheme brings visitors to the reading room at the top, after experiencing both physical and digital information forms. At the ground level the site is an exhibition medium, projecting the projects of various on-site research onto the floor. As such, the ground level will become an undisturbed experience of the original site building while also acting as an innovative medium that showcases all the knowledge being produced.



FREE INFORMATION ZONE: AN URBAN ECOSYSTEM FOR 21st CENTURY PRODUCTION

DENG KUN, LIU CHANG, MARY LYNCH-LLOYD,
CARLOS SAINZ CACCIA, WANG YI, YU SIYAO

2016 INTERNATIONAL JOINT URBAN DESIGN STUDIO
联合城市设计工作室

+ Conservation and Redevelopment of Industrial Heritage: Shanghai Minsheng Dock
上海民生码头区城市更新



FOCUS AREAS

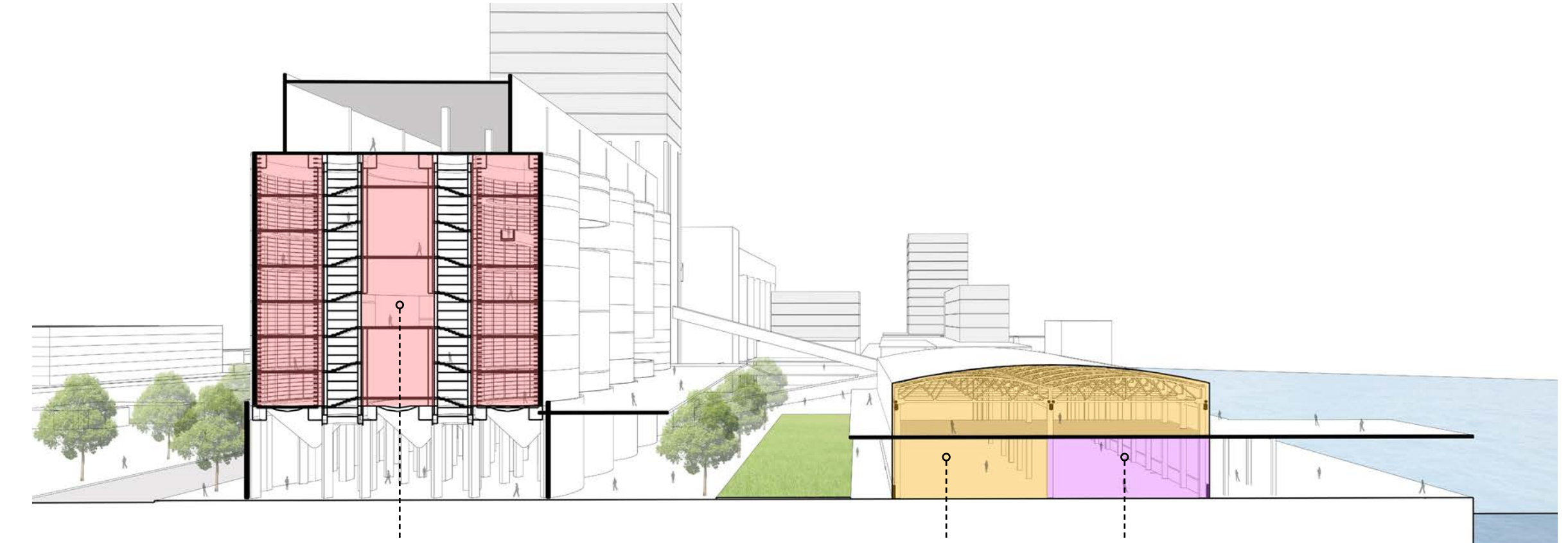
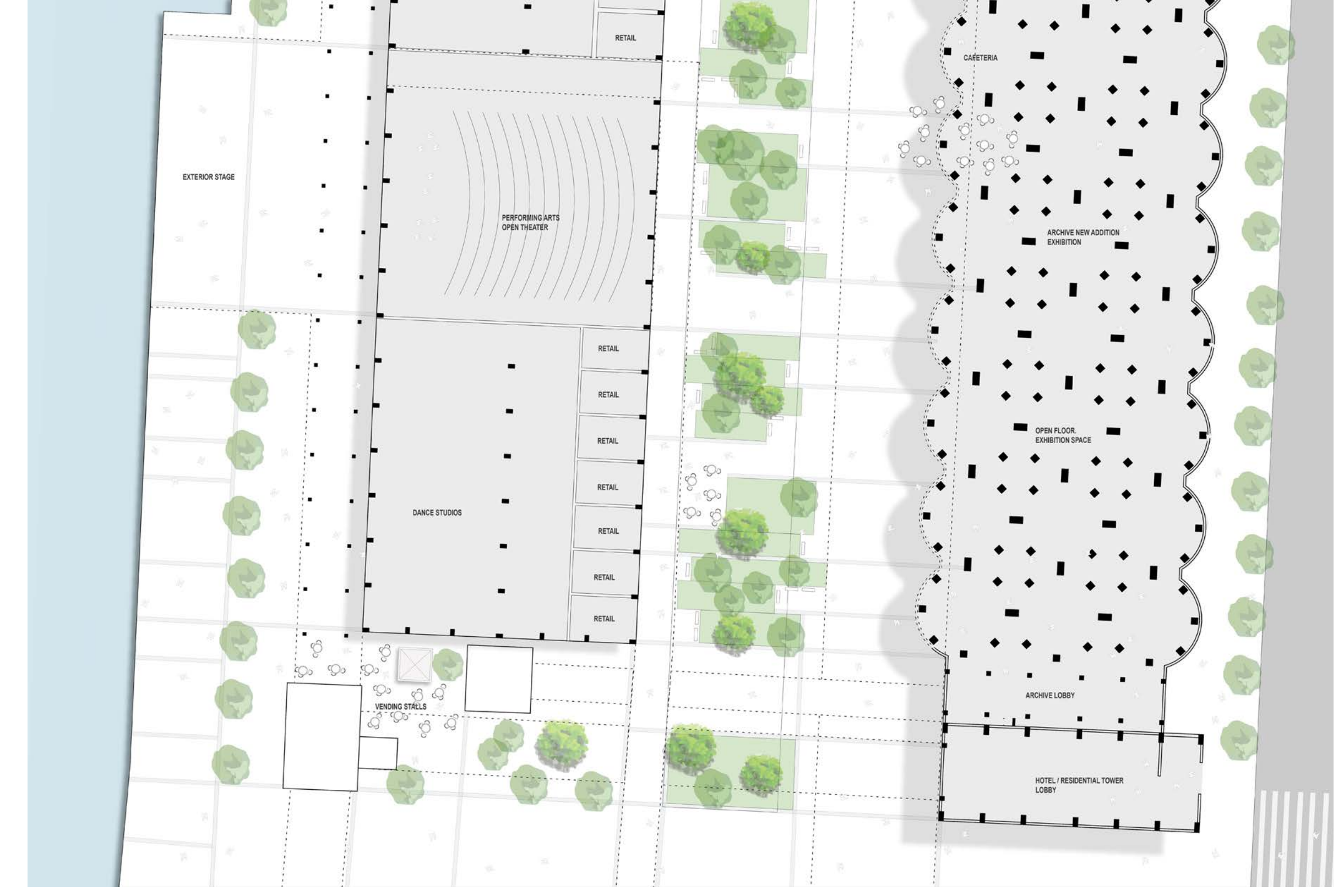


AREA 1

Welcome • Aural
开放门户 • 听觉

This space is the largest entrance to the Free Information Zone, being centrally located for both users of the ferry and the subway. The iconic form of the historic building frames a gateway to the space that needs little intervention to make it spectacular. The archive, the cornerstone of the project, is what first greets visitors, offering an exhibition on the ground level of all the different innovation and knowledge that is being produced on the site. A recording studio, sonic media, and a performing arts center anchor the central space and create a zone filled with activities and cultural events.

该空间是信息开放区主要入口，也是历史和建筑的连接点。设计通过历史工业建筑——原仓库的原有形式和结构，为这个入口空间，多层次地保留和激活工业遗产空间，形成未来城市发展的中轴。通过保留并改造的原有建筑空间，通过引入录音棚、声场媒体和表演艺术功能构建一个充满活力和文化气息的信息开放区。



Archive
信息中心

Performance Arts
表演艺术

Retail
零售

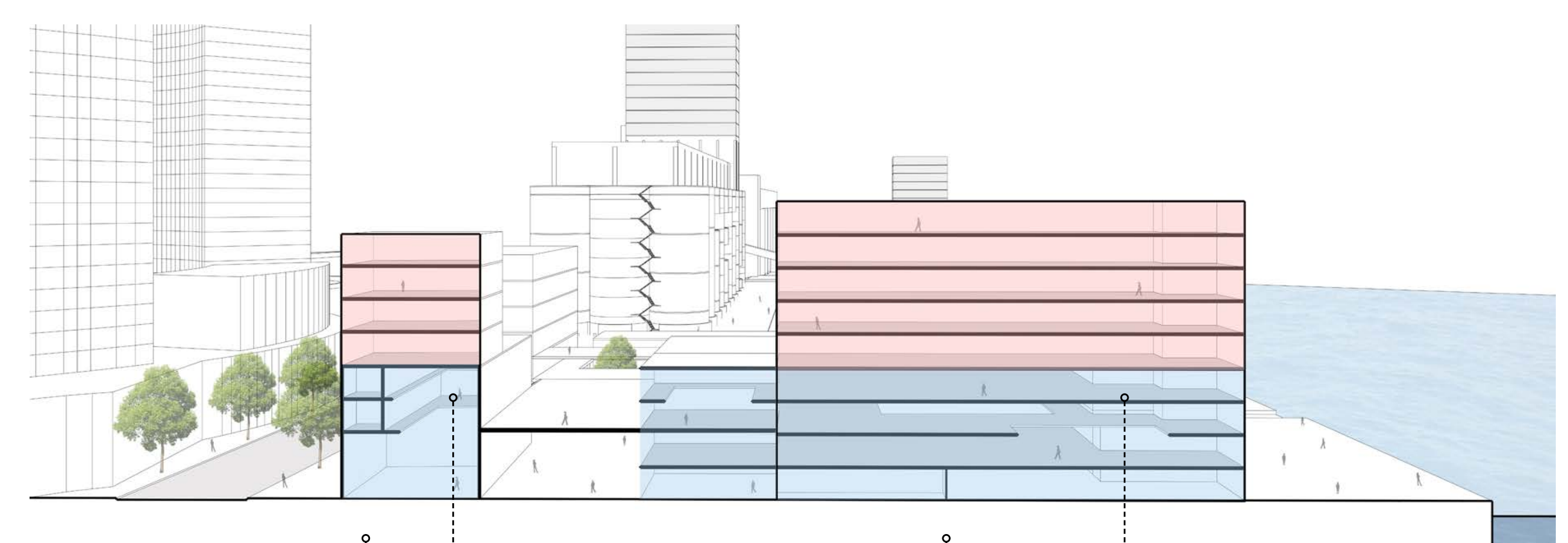


AREA 2

Haptic
触觉

This area, in which objects and perception are the focus across the three industries, a communications media lab, a motion graphics development facility and a recreation center all share a courtyard space. Through its courtyard typology, this space intersects the traditional and the contemporary as well as the local and the global.

该区域包含艺术、媒体和建筑三个领域，包括一个媒体实验室、一个动画图形研发工作室和休闲中心，它们共享一个庭院空间。通过不同的建筑类型，这个空间使得传统和现代、本地和全球相互连接。



Motion Graphics Research
动态图形研发

Residences
住宅

Communications Media
交互媒体

Residences
住宅

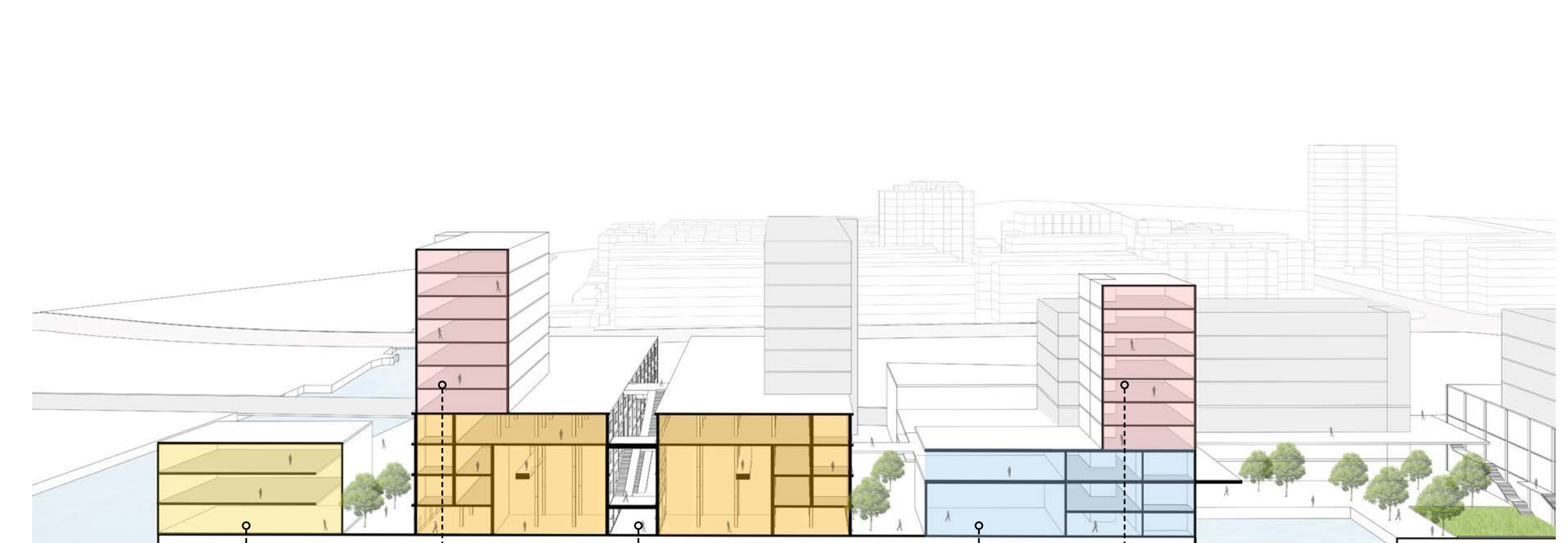


AREA 3

Optical
光影

This space, unified by a focus on optical production across the industries, can host many events like fashion shows on the loop that extends inside the visual arts center. It is an exciting space that exists on the border of public and private, and that opens up the processes of knowledge production to the public.

该区域的建筑围绕艺术展开，通过跨工业建筑的创新建造出多方位的展示空间。该区域的建筑形式和材料可以成为亮点，该建筑了视觉艺术中心。这是一个存在于公共和私人之间的展示空间，将知识生产的过程向公众开放。



Bio-Medical Imaging Research
生物医学影像研发

Residences
住宅

Visual Art Center
视觉艺术中心

Optical Media Research
光学媒体研发

Residences
住宅

FREE INFORMATION ZONE: AN URBAN ECOSYSTEM FOR 21st CENTURY PRODUCTION

DENG KUN, LIU CHANG, MARY LYNCH-LLOYD,
CARLOS SAINZ CACCIA, WANG YI, YU SIYAO

2016 INTERNATIONAL JOINT URBAN DESIGN STUDIO
联合城市设计工作室

+ Conservation and Redevelopment of Industrial Heritage: Shanghai Minsheng Dock
上海民生码头区城市设计与城市更新

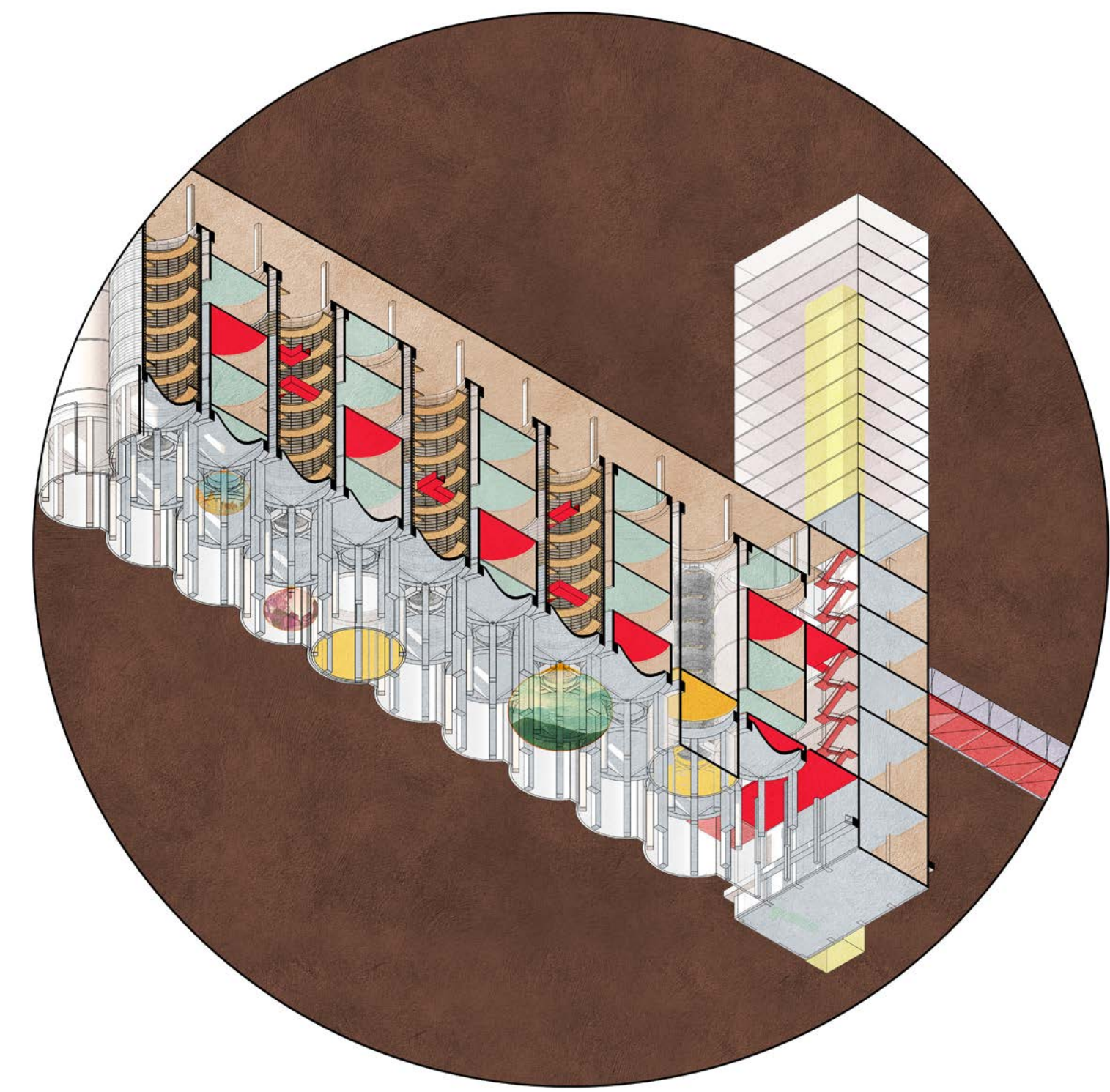


INNOVATION: Knowledge Preservation

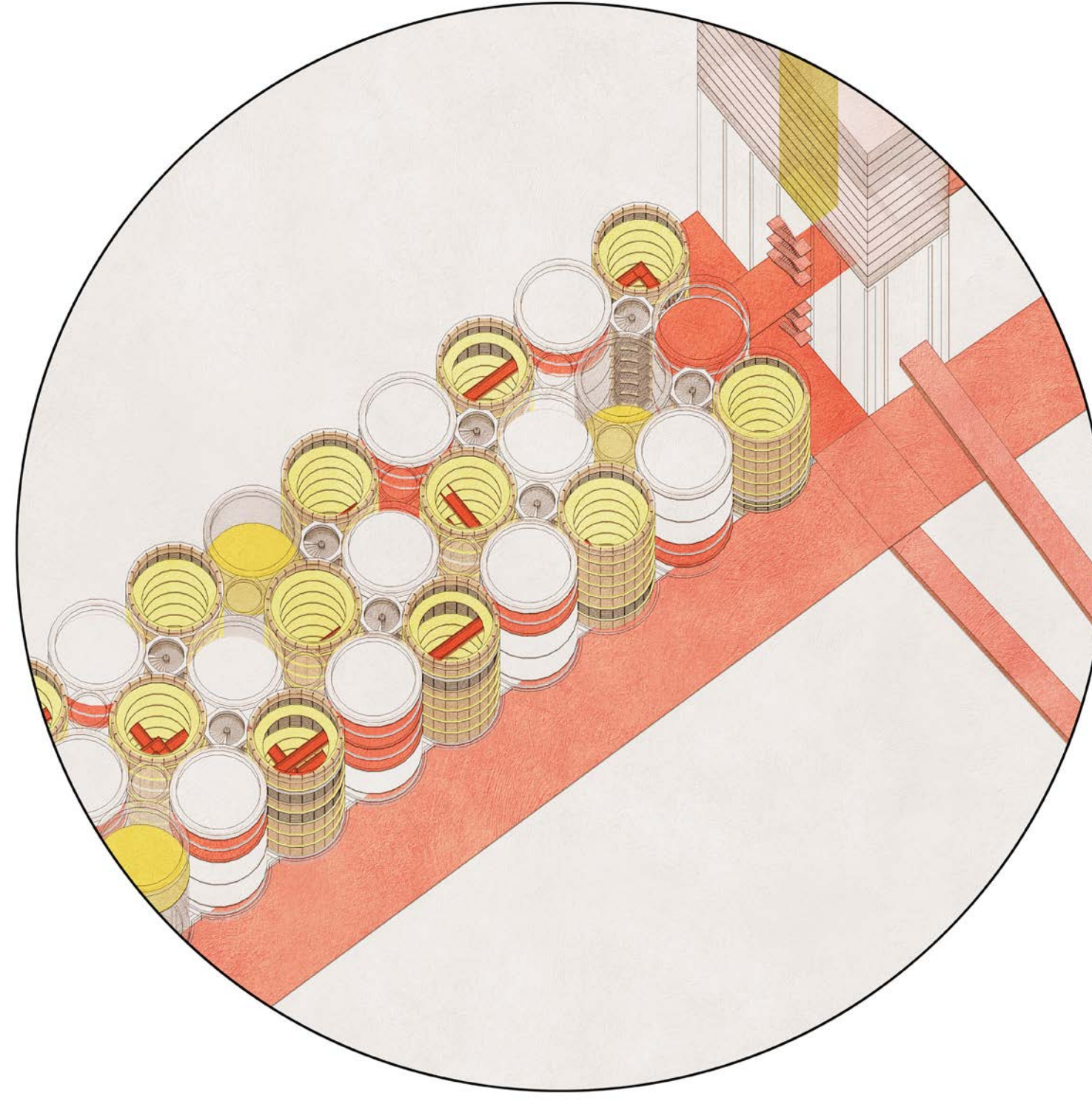
Re-Thinking the Archive 信息存储的新形式

As the nature and form of information is changing, so must the way we keep and curate it. This archive, in a building that used to store grain, will now store the knowledge that is accrued throughout generations. It's also structure enables different kinds of ways to experience the various forms of the information, from physical to digital.

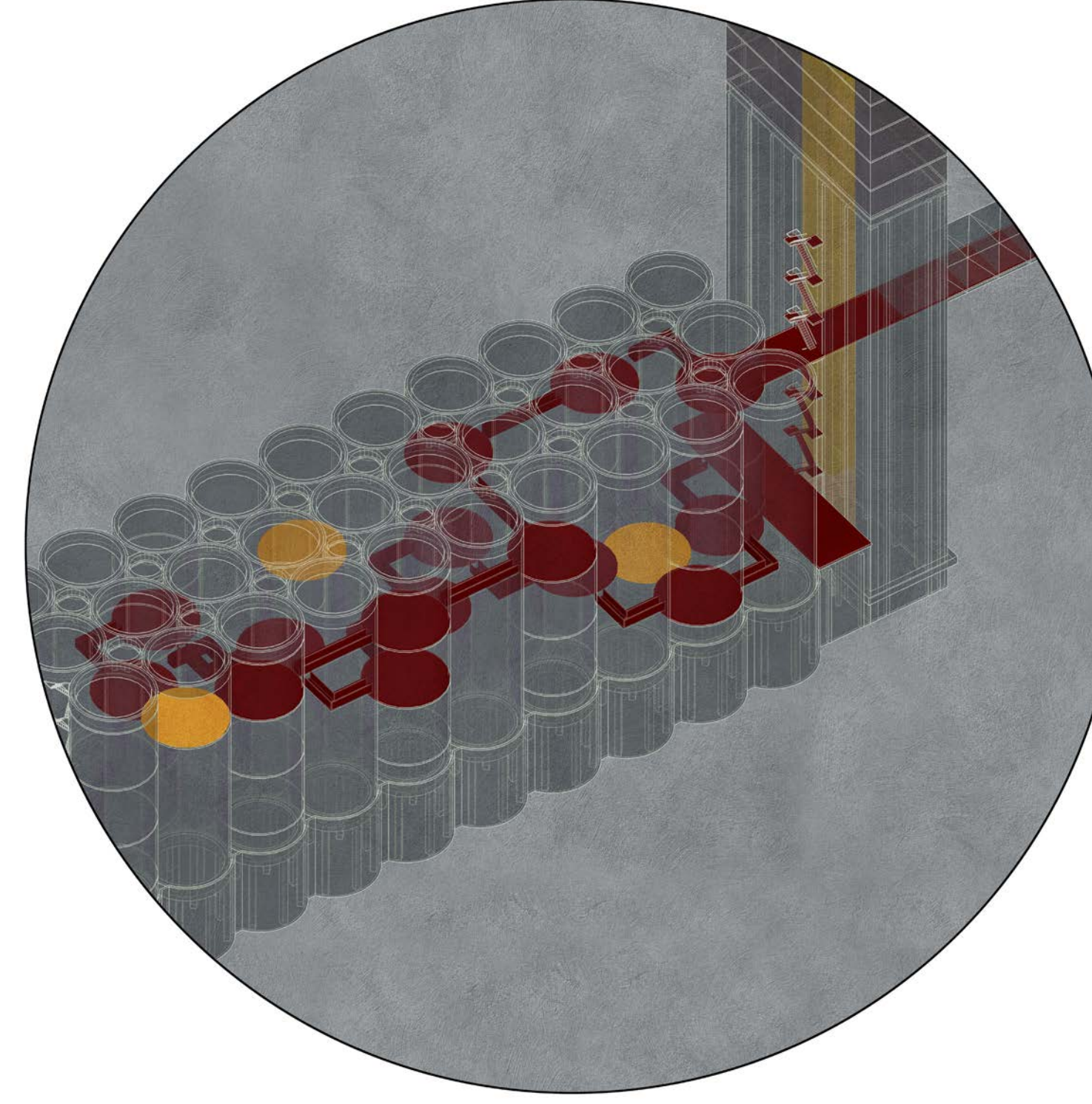
信息存储的形式随着科技的发展不断变化，保存信息的方式也在日新月异。我们将旧时粮仓的筒仓改造为前现代的信息中心。筒仓的结构为体验数字化或实体化的信息创造了多样化的空间形式。



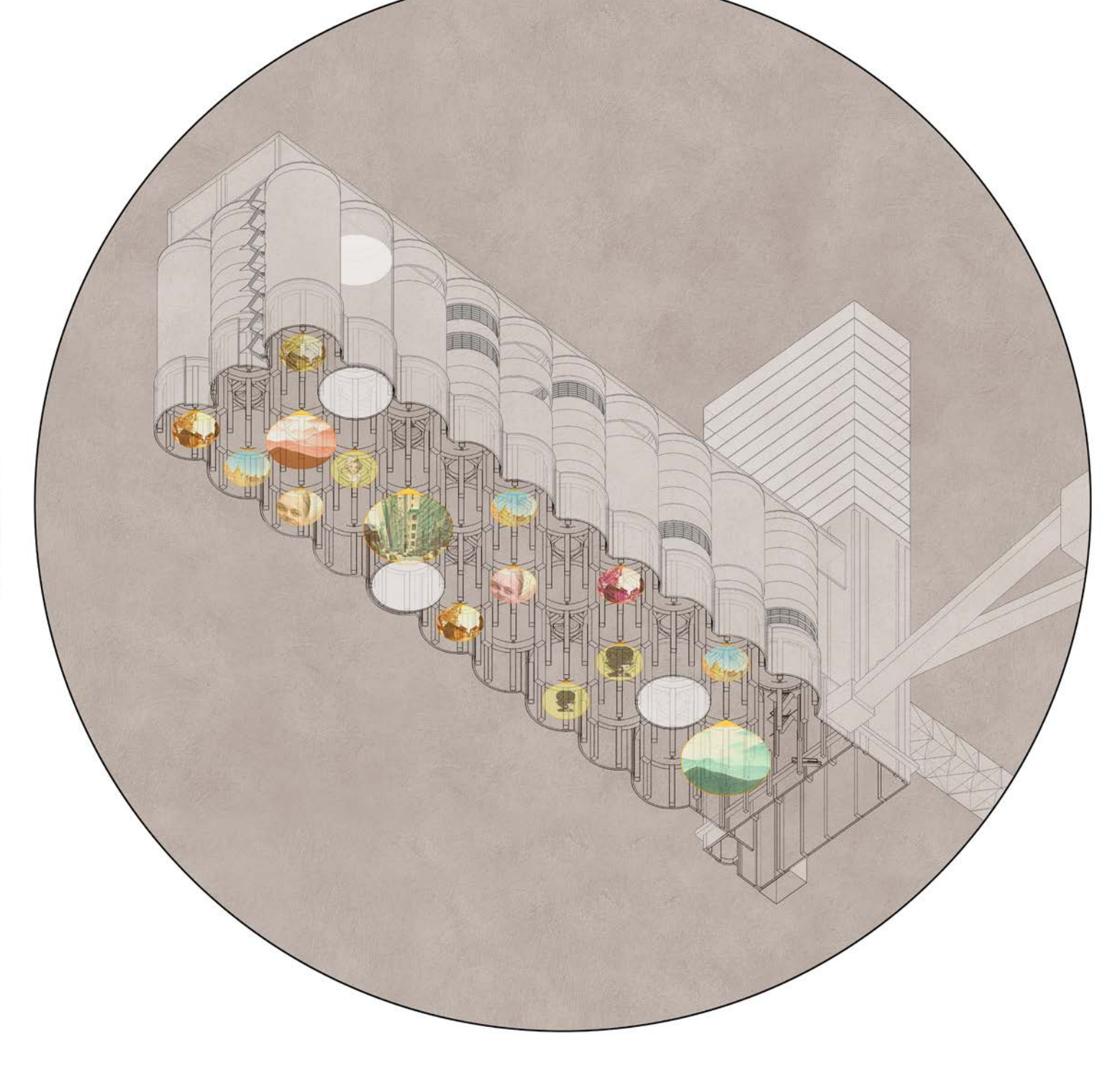
Section - Information Experiences
剖面 - 信息体验



Axonometric - Physical vs. Digital
轴测图 - 物理存储 vs 虚拟存储



Axonometric - Circulation
轴测图 - 流线



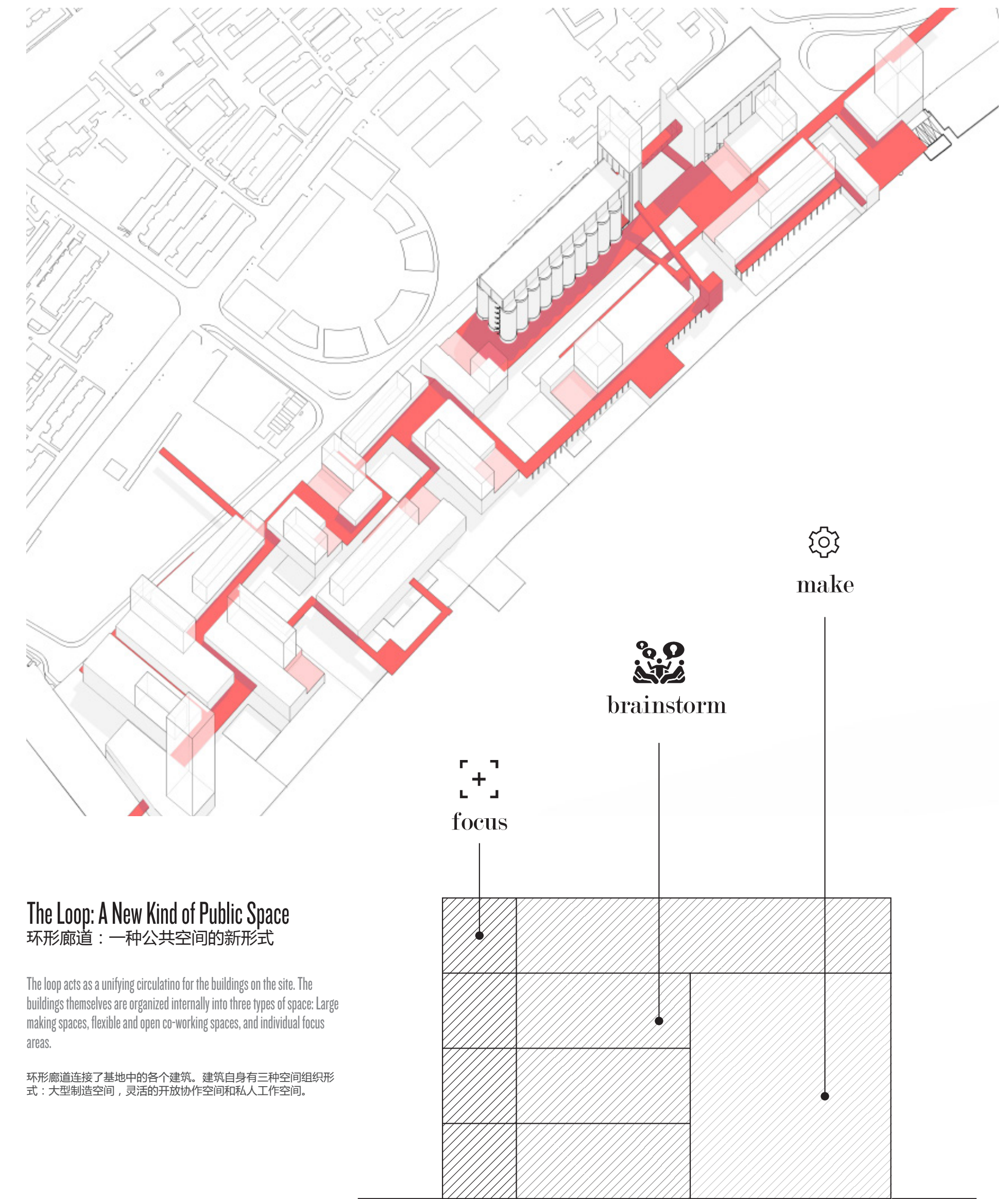
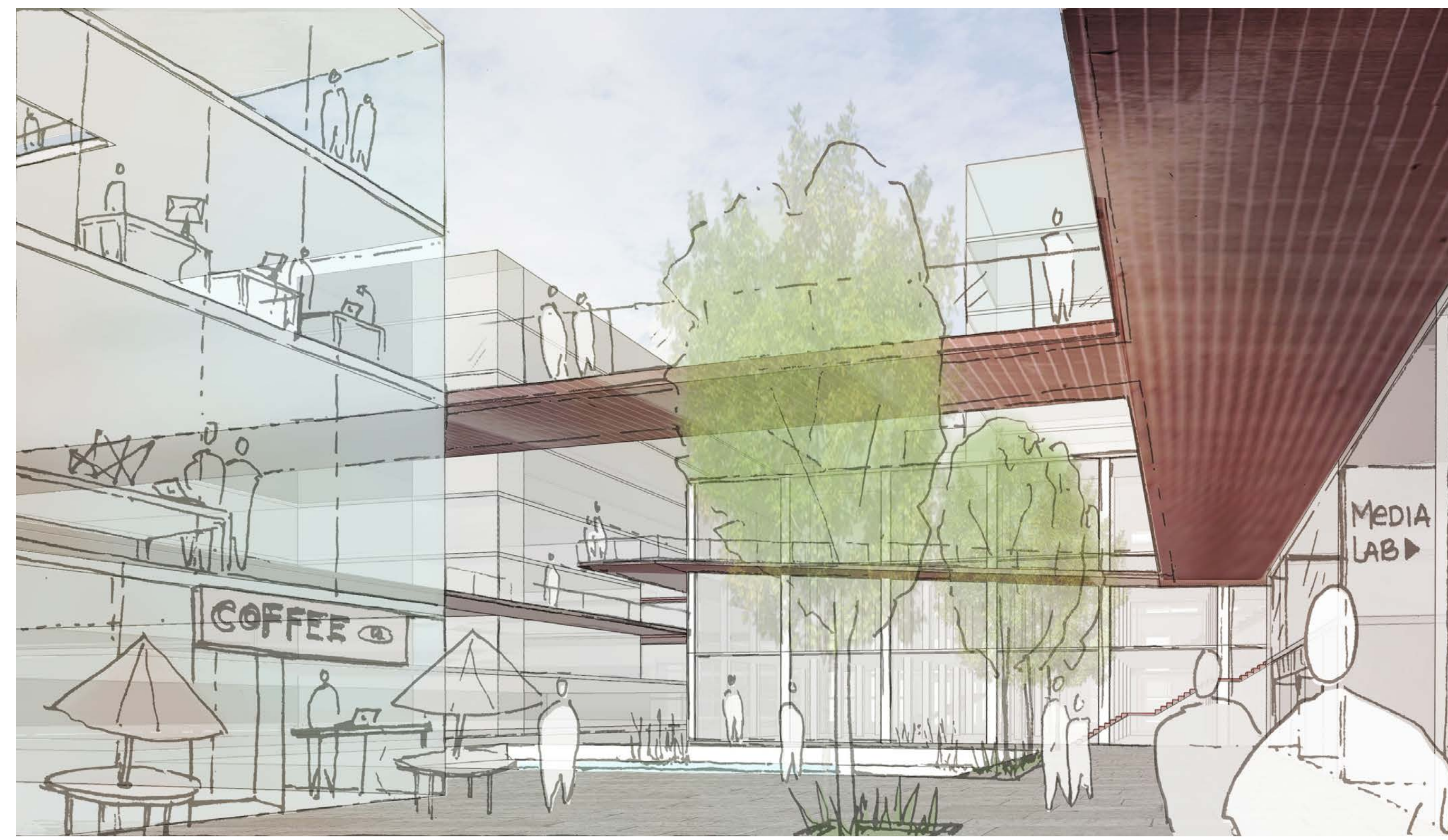
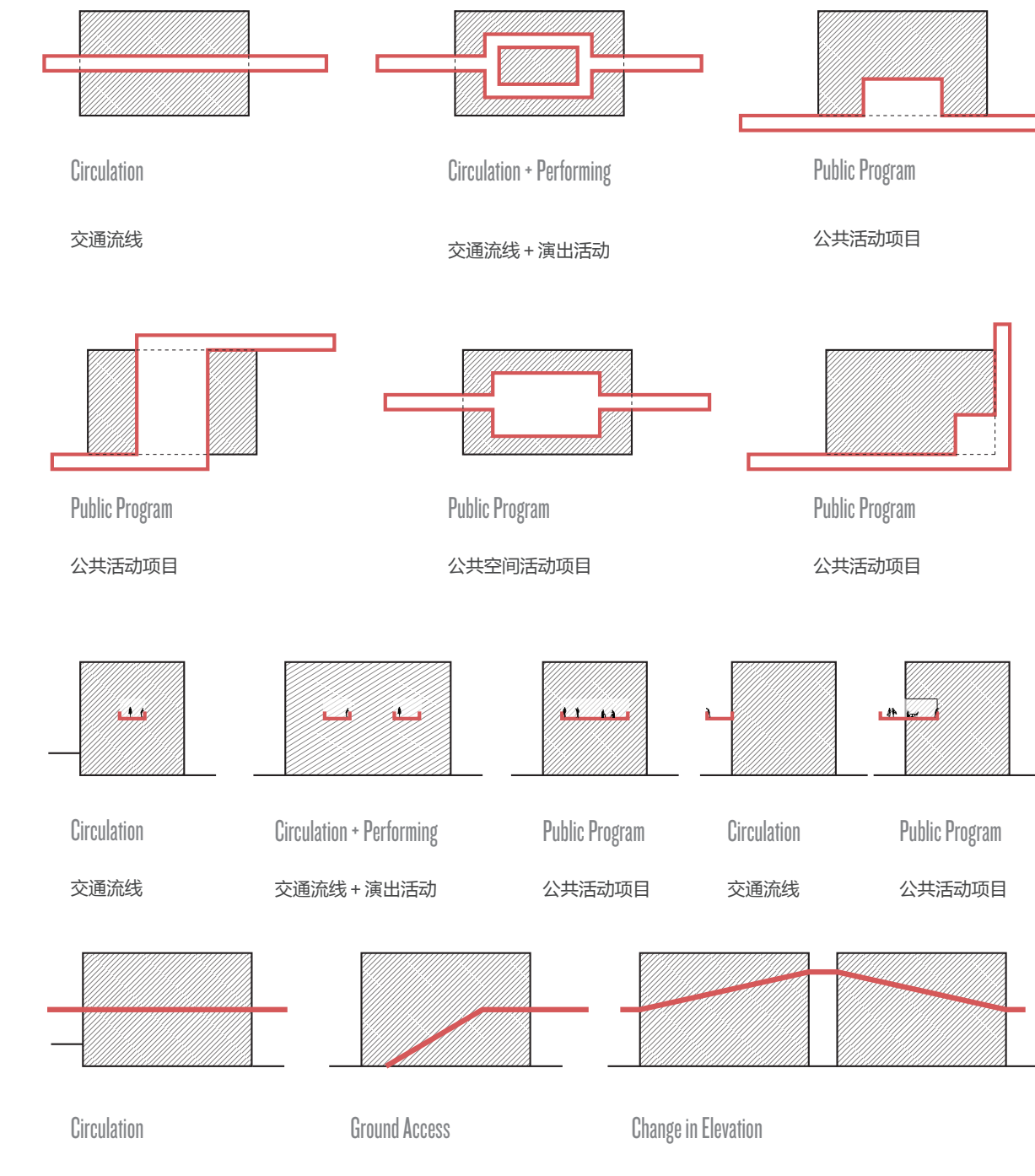
Worm's Eye View Axonometric - Projection Space
虫眼轴测图 - 投射空间

INNOVATION in the PUBLIC REALM: Inside, Outside, Above and Underneath

The Loop: A New Kind of Public Space 环形廊道：一种公共空间的新形式

The Free Information Zone creates a 3D public network that allows access to production and innovation that were traditionally kept private. This creates an exciting and enriching public space, that is dynamic with many opportunities for views and interactions across spaces. The cartilage below describes the different ways that the loop can interact with existing buildings, enabling different kinds of public activities. At right, the images describe the atmosphere of a three-dimensionally activated public space.

信息开放区通过打造立体的公共空间网络来增加公众对于生产创新的可达性。将原本封闭的生产空间向公众开放，这丰富了原有的公共空间体验，创造了更多新的公共空间。下面的图表描述了步行与室内空间的多样化组合形式，创造出适合不同活动的公共空间。右侧展示了三维步行体系激活公共空间的氛围。



The Loop: A New Kind of Public Space 环形廊道：一种公共空间的新形式

The loop acts as a unifying circulation for the buildings on the site. The buildings themselves are organized internally into three types of space: Large-making spaces, flexible and open co-working spaces, and individual focus areas.

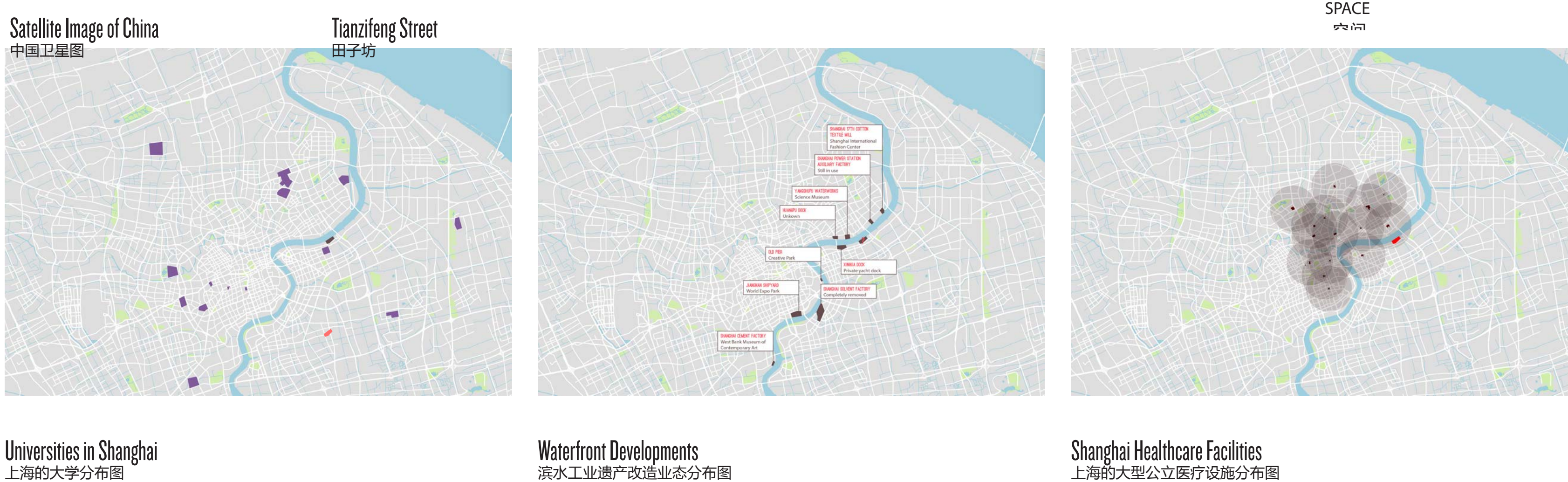
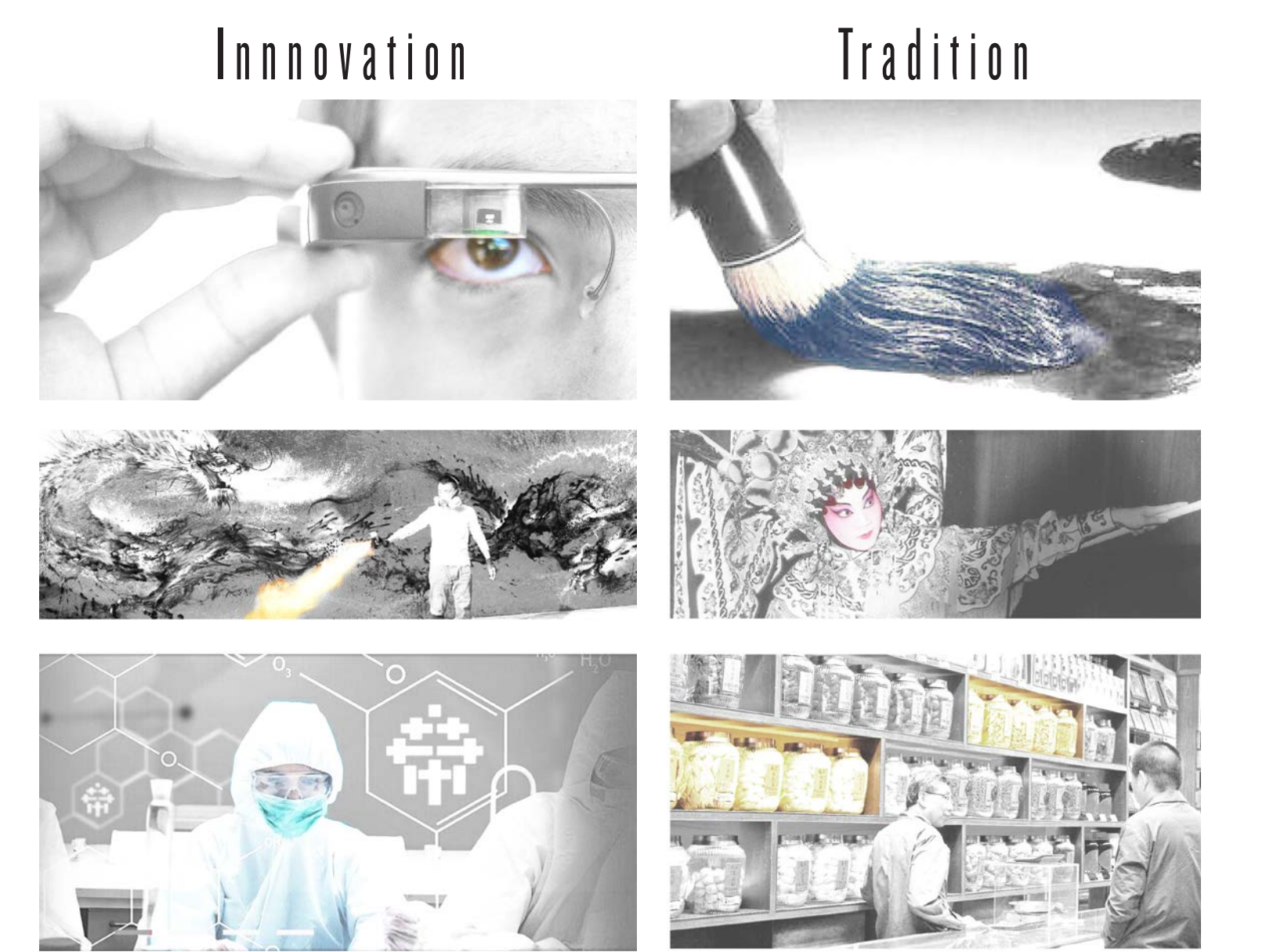
环形廊道连接了基地中的各个建筑。建筑自身有三种空间组织形式：大型制造空间；灵活的开放协作空间以及个人工作空间。

INNOVATION and TRADITION : Integrating the Local and the Global

Local and Global Innovation Diagram 全球 - 地方融合创新

This diagram describes the ways that the local and global are integrated on the Minsheng Dock site through innovation and knowledge production. The maps to the right describe the location of the Minsheng Dock as an optimal location for a central hub of knowledge in the university system, the entertainment waterfront circuit, and the Shanghai healthcare network. The site can utilize these scattered entities to create a center of information, knowledge and innovation that acts both locally and globally.

该图展示了地方和全球如何通过创新和知识生产相互连接。右图展示了民生码头区，根据我们对上海的大学分布、滨水工业遗产和滨水公共空间分布的分析，它将成为知识共享中心和创新中心。该中心可以整合分散的实体，从全球和地方两个方面发挥作用。



Satellite Image of China
中国卫星图

Tianzifeng Street
田子坊

Universities in Shanghai
上海的大学分布图

Waterfront Developments
滨水工业遗产交通业态分布图

Shanghai Healthcare Facilities
上海的大型公立医疗设施分布图

