

Biennale Sessions

Biennale
Architettura
2020

Venezia
20.05–29.11

CITY X X城市 China

sale d'armi arsenale 20.05 - 21.05

cityxchina.org



CITY X

X城市

China

Part A

PROJECT BRIEF

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PROJECT OVERVIEW

CITYX is inviting design concepts and creative proposals for the city of Xiong'an New Area, China.

Transdisciplinary and globally focused in its intent and content, CITYX invites leading international architecture schools, visionaries and design researchers to explore innovative design research strategies addressing the future of Chinese cities.

CITYX project is a global research initiative seeking to create a sustainable blueprint for the future evolution of urban design and architecture in China. The research will investigate and identify disruptive patterns of global change and envisage design-led architectural and urban responses that enhance the quality of living in cities.

CITYX takes the long-term view, informing speculative futures for cities. It promotes critical and constructive proposals for future development that harness the role of design in the 21st century global economy. It aims to promote multidisciplinary thinking recognizing material science, human-computer interfaces, experience design, engineered systems and organizational dynamics as disciplinary fields offering a breadth and depth of knowledge across professional domains to address complexity and innovation in architecture, urban design and development.

PROJECT AIMS AND OUTCOMES

CITYX aims to showcase new architectural and urban design concepts for the staged development of Xiong'an New Area. This will occur through international studio and design workshops, debates and discussions with leading researchers producing engaging dynamic design solutions.

CITYX presents a unique opportunity to investigate urban design strategies and architectural proposals that can inform the future evolution and sustainable development of Xiong'an New Area. The research project strategy will aim at commissioning and curating architectural and urban design investigations into the future development of Xiong'an with a particular focus on the impact of emerging urban economies and technologies.

CITYX research will be launched as a blueprint for the sustainable future evolution of architectural and urban design in China.

PROGRAM FOR INVITED ARCHITECTURE SCHOOL PARTICIPANTS

Project Duration

Dates: December 2019 – May 2020
Outlets: 17th International Architecture Biennale, Venice,
Biennale Sessions, May 2020

PROJECT BRIEF

CITYX 100YC presents a unique opportunity to make architectural proposals that aim to inform the future evolution of Xiong'an New Area. The urban propositions for the development for Xiong'an are to be investigated as short, mid and long-term projections. Invited participants are encouraged to present design research led visions and proposals for the staged development of Xiong'an. Propositions are to range in scale from the urban, infrastructural built fabric scale architectural designed projects, new fabrication techniques and technologies.

Participants are encouraged to work within transdisciplinary teams that may include architects, engineers, scientists, entrepreneurs, economists, artists and urbanists amongst others. Each project will be led by a nominated university research leader, studio leader or practicing architect and will include at least one student from the invited school.

There are no maximum team member restrictions. Each invited school may submit a maximum of three projects. Invited studio leaders and transdisciplinary collaborators should adapt the brief and the information within this kit as a provocation for further deliberations. The project may be produced as a studio, an esquisse, intensive seminar to suit individual requirements and constraints.

CITYX will propose designs for a major new city of Xiong'an New Area which will include diverse civic, residential, commercial, institutional and retail activities. The main focus industries and economies being promoted include: health and wellness; creative media and entertainment; business services; education; and electrical and electronics (E&E). The development will incorporate Smart City technologies to manage and service the city. The exploration of physical, virtual and the nascent spatial conditions of the future 21st century city will be undertaken through a 100 year projection of an emerging urban reality for Xiong'an. CITYX proposes both visionary urban speculation and clear demonstration through the pragmatic and situated application of creative architectural and urban practices. The project aims to develop innovative solutions and visions for the establishment and future sustainable development of the new city of Xiong'an, focusing particularly on four key urban catalysts: mobility, technology, commerce and knowledge.

Projects create opportunities for 21st century emerging economies as drivers for the Xiong'an development, particularly through design research on urban infrastructure to support innovation. Key economic development sectors and activities that may be addressed by the invited participants include but are not limited to:

EDUCATION AND KNOWLEDGE ECONOMY

- Higher Education
- Applied research
- Vocational Training
- Information Technology

CREATIVE INDUSTRIES

- Design Industries
- Industrial Design
- Film/TV Production

(cont p.5)

TOURISM AND LEISURE

- Tourism
- Hospitality
- International events programs
- Public civic programs

HEALTHCARE, WELLNESS AND RECREATION

- Medical services and technologies
- Bio-technology
- Active retirement
- Assisted Living
- Sports and recreation facilities and infrastructure a
- Parks infrastructure

TRANSPORTATION AND MOBILITY

- Transport systems design
- Transport systems management
- Transport services infrastructure
- Trade and Logistics
- Aerospace

FINANCIAL AND COMMERCIAL

- International and regional financial services
- Business process outsourcing / offshoring
- Corporate consultancy & advisory
- Business Incubators and Start Ups
- Retail and Consumer sector
- Online commerce and distribution

ADVANCED MANUFACTURING

- Advanced manufacturing systems
- Robotics
- Nanotechnology
- Assembly Construction

ENVIRONMENTAL TECHNOLOGY

- Water management
- Waste management
- Recycling Technologies
- Renewable solar technologies
- Renewable wind technologies

SUSTAINABLE DEVELOPMENT GOALS

sustainabledevelopment.un.org

- Signed by 193 countries and adopted by the UN General Assembly
- Come into effect in January 2016
- Comprehensive set of 17 goals, 169 targets and 232 indicators



Along with the project's aims, outcomes are also related to several of the SDGs.

Goal 11: "Sustainable Cities and Communities".

Related targets include:

Target 11.2 - By 2030, provide access to safe, affordable, accessible and sustainable transport systems for all, improving road safety, notably by expanding public transport, with special attention to the needs of those in vulnerable situations, women, children, persons with disabilities and older persons.

Target 11.3 - By 2030, enhance inclusive and sustainable urbanization and capacity for participatory, integrated and sustainable human settlement planning and management in all countries.

Target 11.6 - By 2030, reduce the adverse per capita environmental impact of cities, including by paying special attention to air quality and municipal and other waste management.

Target 11.7 - By 2030, provide universal access to safe, inclusive and accessible, green and public spaces, in particular for women and children, older persons and persons with disabilities.

Target 11.a - Support positive economic, social and environmental links between urban, peri-urban and rural areas by strengthening national and regional development planning.

PROJECT BACKGROUND

The research value of the 100YC project series is evidenced through its invitation to participate in the exhibition programs of the 13th Venice Architecture Biennale in 2012 and the 2012 Maribor European Capital of Culture. 100YC identified multidisciplinary thinking and collaboration as core essential competency conditions necessary for future innovation in architecture and urbanism. A subsequent cycle of international workshops focused on the development of the Malaysia Biennial research framework for 2017 and China in 2019.

Previous 100YC Projects have included:

- 2112Ai [Architectural intelligence] 100YC (100 Year City),
Venice International Architecture Biennale, 2012
Slovenia National Pavilion Exhibition, Australia National Pavilion Exhibition, Venice, Italy
Curators: Professor Tom Kovac and Fleur Watson
- 2112Ai [Architectural intelligence] 100 Year City (100YC), 2012
Maribor European Capital of Culture exhibition and workshop events.
Maribor, Slovenia
Curators: Professor Tom Kovac and Fleur Watson
- 100YC Malaysia World Wide Workshop 2014
Venice International Architecture Biennale, Biennale Sessions,
Venice, Italy
Convenor: Professor Tom Kovac
- 100YC Malaysia World Wide Workshop 2015
RMIT Design Hub, April 2015
Curator: Tom Kovac
Convenor: Brent Allpress
- Iskander Puteri 100YC SuperCity Biennale Sessions 2018
Venice International Architecture Biennale, Biennale Sessions,
Venice, Italy May 2018
Curator: Tom Kovac
- SuperCity Biennale Sessions 2018
Venice International Architecture Biennale, Biennale Sessions,
Venice, Italy May 2018
Curator: Tom Kovac

PROJECT DELIVERABLES

International institutional contributions by schools to produce exhibition and publication quality representations of research on Xiong'an as it is proposed to develop in stages across a 100 year period.

This will draw on relevant research data supporting the development. Representations may include 2D drawings and 3D models, digital modeling, video and new media.

The research project will be launched at the program of the Venice International Architecture Biennale, Biennale Sessions, 2020, which is the premier international architectural design research forum.

SUBMISSIONS

Project submission shall include:

1. Project statements and narration
2. Design Proposals at relevant urban and architectural scales
3. Urban fabric scale materiality, systems and technology
4. Urban and environmental sustainability

Projects should include a visual presentation clearly communicating:

1. Design Proposal Statement
2. Minimum of 5 x A1 images @ 300 dpi
3. All Images submitted in landscape format
4. Projects should include:
 - Urban scale plans
 - Floor Plans
 - Elevations
 - Sections
 - Perspectives
 - 3D modelled representations
 - VR OBJ models
5. An Abstract Statement (250 words max Microsoft Word format)

All project files must be submitted digitally.

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The original authors in invited teams retain copyright ownership to the work they contribute to exhibitions. Invited participants will agree to license their contributed works for use by CITYX for press, marketing, publication, and exhibition purposes.

KEY DATES

- 21 DECEMBER 2019 - CITYX Project Kit made available to all invited participants upon formal acceptance of invitation
- 20 APRIL 2020 - Final submission of exhibition materials by invited contributors
- 20-21 MAY 2020 - CITYX Venice International Architecture Biennale, Biennale Sessions, 2020 (Date TBC)

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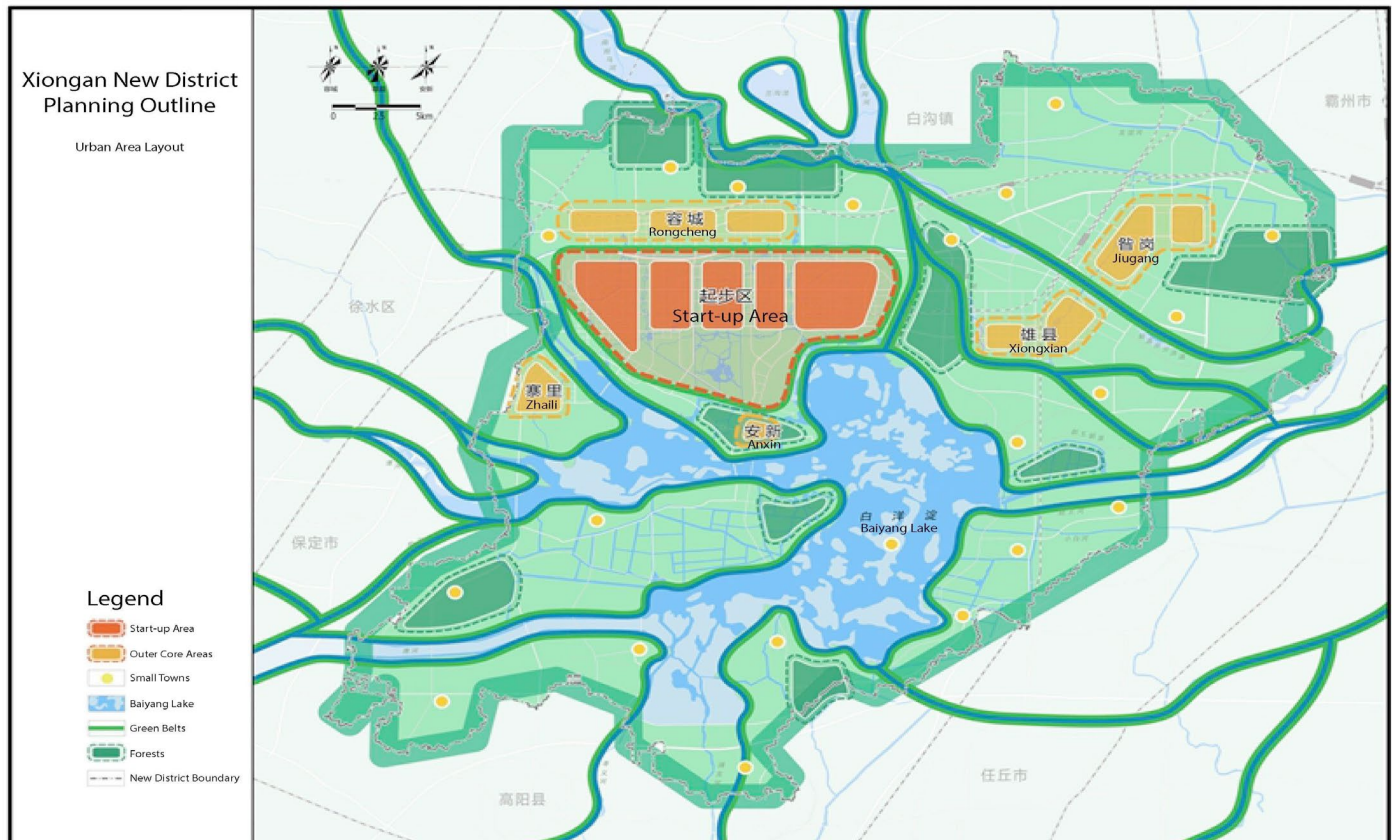
Part B

SITE & PLANNING OUTLINE DRAWINGS

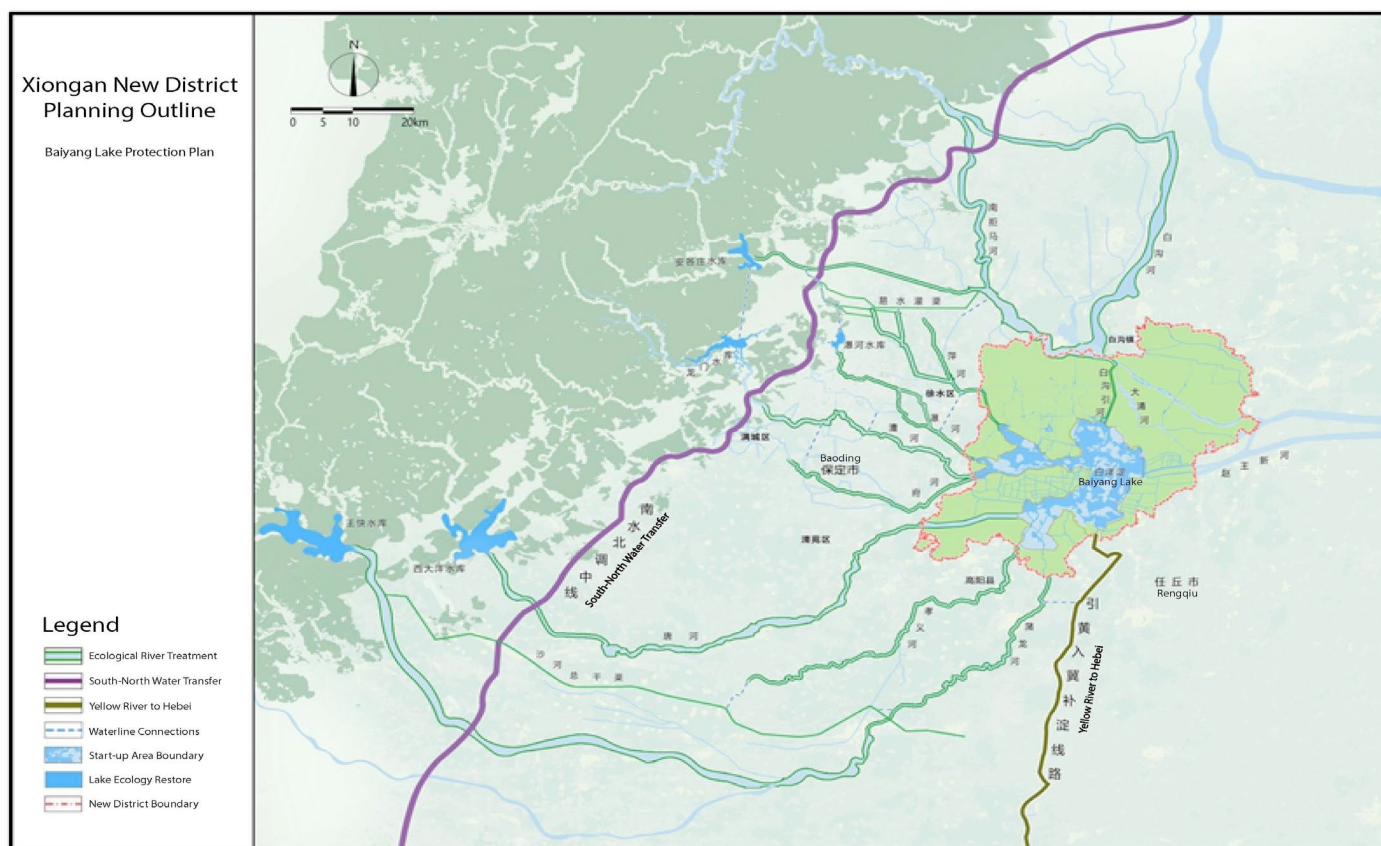
urban area layout
baiyang lake protection plan
beijing, tianjing and hebei area layout
railway layout



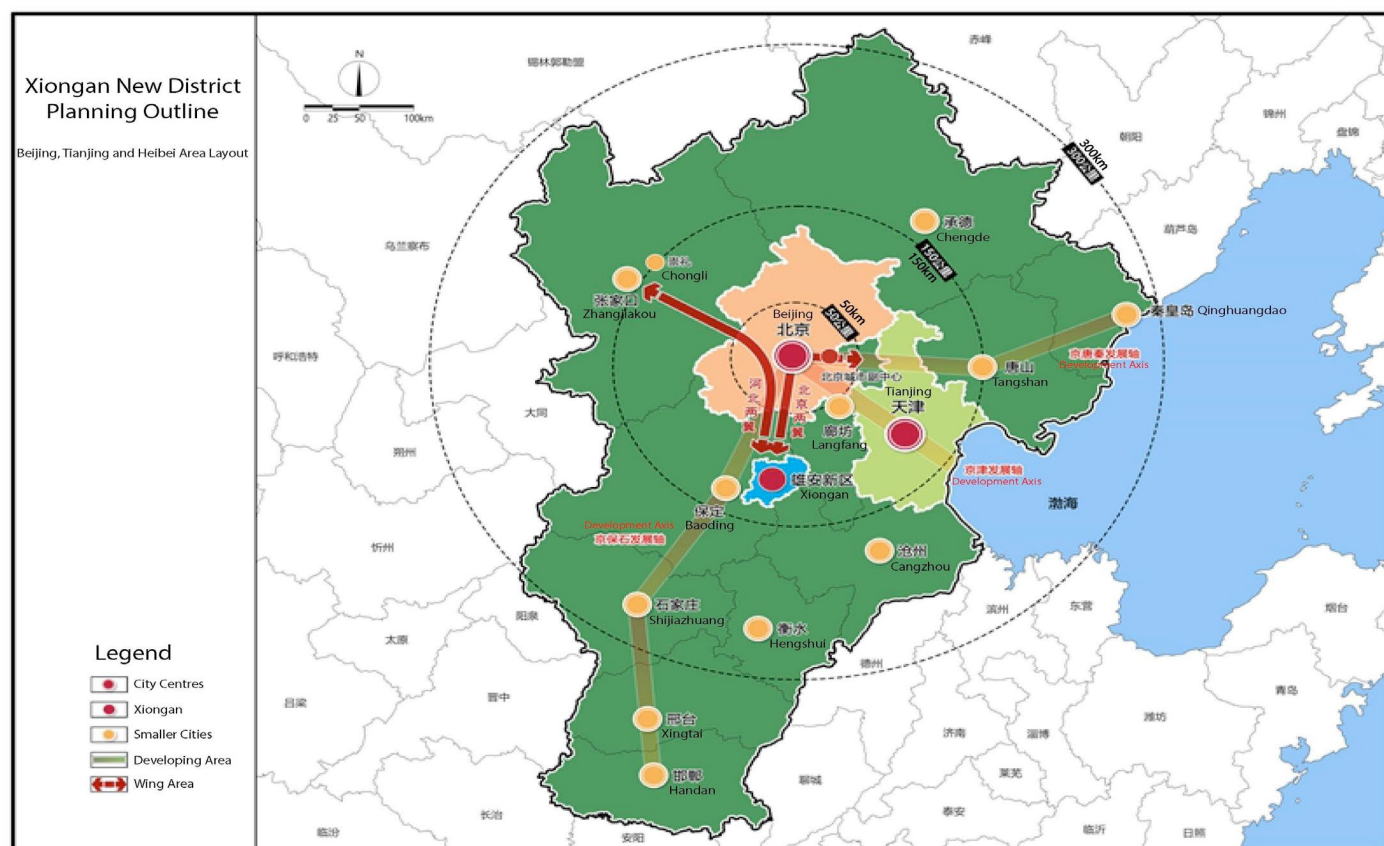
Xiongan New District Planning Outline - Urban Area Layout
<http://english.xiongan.gov.cn>



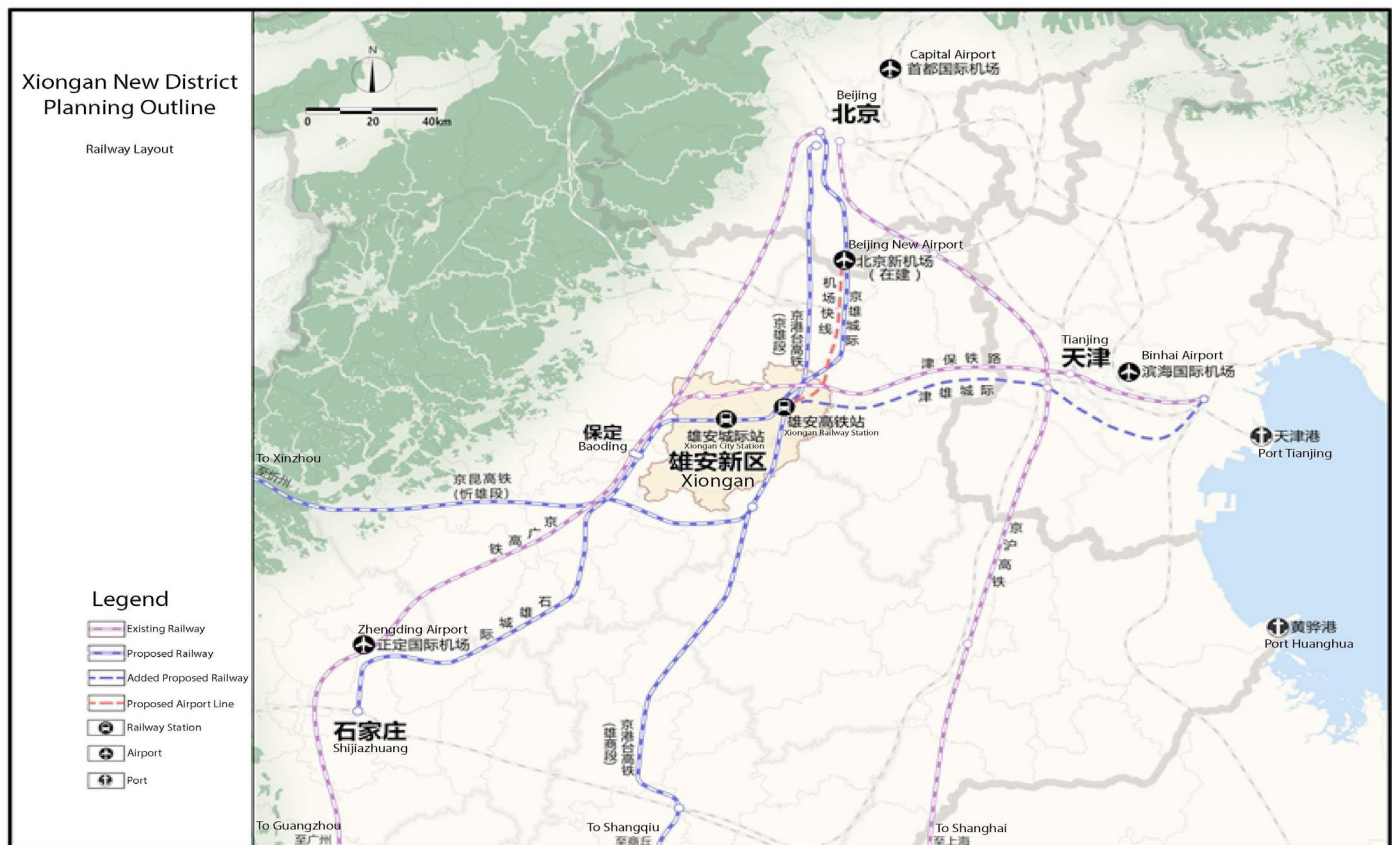
Xiongan New District Planning Outline - Urban Area Layout
<http://english.xiongan.gov.cn>



Xiongan New District Planning Outline – Baiyang Lake Protection Plan
<http://english.xiongan.gov.cn>



Xiongan New District Planning Outline - Beijing, Tianjing and Heibei Area Layout
<http://english.xiongan.gov.cn>



Xiongan New District Planning Outline - Railway Layout
<http://english.xiongan.gov.cn>

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Part C

RELEVANT WEBSITE URL LINKS

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OUTLINE OF HEBEI XIONG'AN NEW DISTRICT PLANNING:

<https://documentcloud.adobe.com/link/track?uri=urn%3Aaaid%3Aascds%3AUS%3A52a86853-d710-4f65-9250-cb0e72fd6be8>

ARTICLES:

<https://www.theguardian.com/world/2017/apr/04/china-plans-build-new-city-nearly-three-times-the-size-of-new-york>

https://www.alibabacloud.com/blog/how-et-city-brain-is-transforming-the-way-we-live-one-city-at-a-time_593745

http://english.xiongan.gov.cn/2017-04/13/c_136836442.htm

<https://www.caixinglobal.com/2017-04-02/china-launches-major-economic-zone-101074095.html>

<https://www.china-briefing.com/news/xiongan-new-area-beijing-tianjin-hebei/>

http://english.scio.gov.cn/topnews/2018-04/23/content_50952897.htm

<https://www.telegraph.co.uk/china-watch/business/highlights-of-xiongan-development/>

IMAGE:

<https://www.china-briefing.com/news/wp-content/uploads/2019/03/Xiongan-New-Economic-Area-Basic-Facts.jpg>

VIDEO:

<https://www.youtube.com/watch?v=UMWaNNDtXsl>