

LIECHTENSTEIN INSTITUTE  
FOR STRATEGIC DEVELOPMENT

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Urban Design Capability Brochure





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Aerial of Lake Constance - Home of ISD. Image by Hansueli Krapf.

## Vision

LISD delivers advice, research and training in urban renewable energy integration, regional regeneration, in sustainable building design and infrastructure development. It is formed in response to a global recognition that major planetary indicators demand profound changes in development practice. In order to be rapid and effective, strategies of fighting climate change can no longer be left to marginal efforts or special 'sustainability programs' or 'green markets', but must become the very focus of all human endeavour; the very mainstream of investing in our future. 'Sustainable' has become 'strategic' in securing the existential base for planetary civilisations, the very foundation for our innovation for vitality and future development.

LISD recognises that isolated sustainable approaches are prone to slow uptake, errors and even failure. It pursues Rapid Regenerative Infrastructure Deployment (RRID) by integrating sustainability science, engineering, economics and finance with broader urban, regional and community planning, design as well as infrastructure development processes, programs and projects.

## Mission

We help prepare private and public entities to become more resilient to climatic, energetic and economic changes. We guide their transformation in a manner, which increases both the ecological and economic value of their infrastructure to mitigate against and adapt to climate change. We develop urban and regional energy master plans and provide sustainability advice on urban development projects. A particularly important aspect of our work is geared towards effective strategic and operational large-scale urban development advice.

## Director



**Professor Peter Droege**  
**DI (TUM) MAAS (MIT) ISOCARP MPIA LIA**

### Academia

Professor Droege is an international expert on advanced urban design, planning and renewable infrastructure development. He holds the first Chair for Sustainable Spatial Development at the University of Liechtenstein, and a Conjoint Professorship at the University of Newcastle's School of Architecture and Built Environment. Peter Droege's academic experience stretches from the School of Architecture and Planning at the Massachusetts Institute of Technology (MIT) between 1976 and 1990, to his 1992/3 position at the University of Tokyo as Urban Development Engineering Endowed Chair holder, and his appointment as Lend Lease Chair and Professor of Urban Design at the University of Sydney in March 1993.

### Publications

The author of the leading reference *The Renewable City: A Comprehensive Guide to an Urban Revolution* (Wiley) has produced the seminal scholarly volumes "Intelligent Environments - Spatial Aspects of the Information Revolution" and "Urban Energy Transition - From Fossil Fuels to Renewable Power" (both Elsevier), and edited 100 Percent Renewable - Energy Autonomy in Action (Routledge), Climate Design (ORO) and Regenerative Region (oekom).

### Appointments

- President of EUROSOLAR. Peter Droege was the first elected President of the 25-year old European Association for Renewable Energy (EUROSOLAR) since 2011, succeeding the late founder and pioneer Hermann Scheer. He led the Solar City research program under the auspices of the International Energy Agency's Implementing Agreement system of OECD-based research consortia within the Committee on Energy Research and Technology from 1999 until 2003.
- General Chairman of the World Council for Renewable Energy. Since its inception in 2000, Peter Droege served as Asia Pacific Chair and General Chairman of the World Council for Renewable Energy.
- Senior International Advisor, Beijing Institute for City Planning and Design, from 2004.
- Expert reviewer for the Intergovernmental Panel on Climate Change's Working Group

### Membership

- Member of the Steering Committee of the Urban Climate Change Research Network, Columbia University
- Board Member, United Nations Habitat Global Research Network on Human Settlements
- International Society of Digital Earth (ISDE) Lifetime Member
- International Society of City and Regional Planners (ISOCARP) German National Delegation Member
- Liechtenstein Institute of Architects and Engineers (LIA)
- Planning Institute of Australia (PIA)

### International urban design portfolio (Australia, China, Europe)

Peter Droege has been active in China since 1986. In 2003 he developed a design study for a 720 hectare site in inner Beijing, led international teams that won first prizes for two separate development projects in Chongqing (2004), Ningbo-Cicheng new town development (2003), and directed the second-prize winning entry for the Beijing 2008 Olympic Master Plan Competition (2002). He also led the master plan for Melbourne Docklands, among other master plans in Australia. He was also the urban design/synergy advisor for the Australian Technology Park (ATP), one of the first cleantech themed industrial re-development site in the world, to enhance the opportunities for scientific exchange and innovation.

### Awards and Prizes

- A Recipient of the 2007 European Solar Prize, Droege served as inaugural Selection Committee Member, Zayed Future Energy Prize, United Arab Emirates, 2007-2013- Professor Droege has won several urban design award:
- |      |  |
|------|--|
| 2007 | European Solar Prize in Education  |
| 2007 | 1st Prize Winner, Hangzhou Urban Centre  |
| 2006 | 1st Prize Winner, Haishu Precinct  |
| 2006 | 1st Prize Winner, International Media Boulevard  |
| 2004 | 1st Prize Winner, HKI Chongqing Plan   |
| 2003 | 1st Prize Winner, Ningbo Cicheng New City Plan   |
| 2002 | 2nd Prize Winner, Beijing 2008 Olympic Green Master Plan Competition   |
| 1990 | Grand Prix, international concept design competition for sustainable design strategies for Japan's Sagami Bay, a coastal region of twelve cities and towns |
| 1990 | Grand Prize, Sagami Bay Nagisa Envelopment Japan   |
| 1987 | Grand Prix, 'Campus City' international concept design competition on information technology and urban change, Japan                                       |
| 1987 | Grand Prize, Advanced Information City, Japan  |

## Network Members

International experts form the core, guidance and participative work. They agree to work together in sourcing and managing projects, based on tailored agreements. Experts with corporate settings can become representative offices. Our experts have worked with for cities, regional and national governments, the World Bank, the IEA, UNFCCC, UNDP, Habitat and a number of other international organisations.

IN ALPHABETICAL ORDER:

**Eduard Balcells**, Barcelona, Spain

Architecture, urban design and sustainable development

**Carmen de Jong** PhD Professor, University of Strasbourg, France

Geography and hydrology

**Peter Droege** DI MAAS Professor, Director ISD, Vaduz, Liechtenstein

Sustainable spatial development

**Dieter Genske** PhD Professor, Berlin, Germany

Renewable energy autonomy scenarios/ GIS

**Uli Hellweg**, CEO IBA Hamburg 2006-2015, Hamburg and Berlin,

Germany

Urban development management

**Bernd Hirschi** PhD, Prof. Director, Institute for Ecological Economics

Research, Berlin, Germany

Economics and zero carbon based urban and regional development

**Allan Jones** MBE President/Chair IEAC, London, England

Renewable energy, decentralised energy and energy efficiency

**Sheila Kennedy** FAIA Professor, MIT, Director MATx, Principal Kennedy

and Violich Architecture, Ltd, Boston, USA

Architecture and urban design

**Anis Radzi** PhD MArch MUD, Berlin, Germany

Governance and renewable energy autonomy in urban development

**Tony Wong**, PhD, Melbourne, Australia

Professor, Director, Cooperative Research Centre on Water and Cities,

Water sensitive urban design

## Services

ISD is an expert group focused on the global delivery of:

**URBAN DESIGN RESEARCH AND STRATEGY**

Developing urban design and urban planning support through scientific research; guideline and brief development for public and private institutions.

**URBAN DEVELOPMENT ADVICE**

Providing operational management advice for complex urban re/development projects.

**ZERO-CARBON URBAN DESIGN**

Shaping urban design strategies for zero carbon, fossil and nuclear independent energy autonomy.

**RENEWABLE ENERGY PLANNING**

Developing integrated renewable energy business models and governance frameworks.

**PARTNERSHIP DEVELOPMENT**

Creating comprehensive and integrated approaches involving a multitude of disciplines and stakeholders.

**SUSTAINABLE LIFESTYLES**

Shaping urban and architectural form to facilitate intelligent lifestyle innovations for smaller ecological footprints.

**WATER SENSITIVE URBAN DESIGN**

Creating complete water cycles in cities to build resilience, biodiversity and heat island buffers.

**ECONOMIC ANALYSIS**

Delivering market and value chain analyses.

**ECONOMIC PLANNING**

Creating integrated design, infrastructure, social and economic development plans.

**SUSTAINABLE INVESTMENT FACILITATION**

Providing strategic urban development finance options and referrals.



## Activities

LISD is active in four programmatic modes:



## Teaching

**Professor Peter Droege**  
**DI (TUM) MAAS (MIT) ISOCARP ISDE MPIA LIA**



### MASSACHUSETTS INSTITUTE OF TECHNOLOGY (MIT)

1976-1990  
 Student, Researcher, Lecturer



### TOKYO UNIVERSITY

1990-1992  
 Professor  
 Research Center for Advanced Science and Technology (RCAST)  
 Endowed Chair for Urban Development Engineering

#### Courses

- Urban design research and teaching
- Urban research on water based housing
- Urban design and representation
- Urban representation tools
- Communication tools for planners

#### Urban Design Studios

- Boston Harbour Projects
- Cambridge design studios
- MIT expansion plan studio
- Angkor resettlement project
- Amsterdam new city / new island plans
- Washington Street City Link (Premiated Studio Project and Competition Entry)
- MIT-Tsinghua University Design Studios on Shi-sha-hai and Haidian districts

#### While at MIT:

- Harvard University: teaching of fundamentals of representation
- Boston University: teaching of urban design principles



### UNIVERSITY OF SYDNEY

1992-2004  
 Professor  
 Chair of Urban Design

#### Courses

- Urban design methods
- Introductory urban design studios
- Advanced urban design studios

#### Urban Design Studios

- Ultimo design studio
- Sydney University expansion and infill
- Victoria Park Zetland: a new traditional urban centre
- Sydney CBD urban design studio
- Sydney Harbour plans
- Tuggerah urban villages studio

#### While at the University of Sydney:

- National University of Singapore: teaching of urban design methods
- Director, Solar City International Research Program
- University of New South Wales: BANGUN East Timor tsunami relief, recovery and regeneration plan
- University of Newcastle Conjoint Professorship - active appointment



### UNIVERSITY OF LIECHTENSTEIN

2008-current  
 Professor  
 Academic Director, PhD Program in Architecture and Planning  
 Chairholder in Sustainable Spatial Development

#### Courses

- Urban form and infrastructure research
- Urban quality assessment and design
- Renewable city

#### Urban Design Studios

- Studio WS2008/2009: Liechtenstein Urbanscape Museum and Alpenrhein Valley Environment Center
- Studio SS2009: Road To Resilience
- Studio SS2010: DUVALEUR
- Studio WS2010/2011: Biocity Prototype
- Studio SS2011: Architecture Of Flow
- Studio WS2011/2012: Active Urban Architecture
- Studio SS2012: Biocity Lindau
- Studio WS2012/2013: Regenerative Place Interventions
- Studio SS2013: Sustainable Urban Design In Zurich
- Studio WS2013/2014: Designing The 22 Century City: IBA 2074
- Studio SS2014: Studio Mars
- Studio WS2014/2015: Sustainable Public Spaces for Barcelona
- Studio SS2015: Sufficiency St. Gallen

#### While at the University of Liechtenstein:

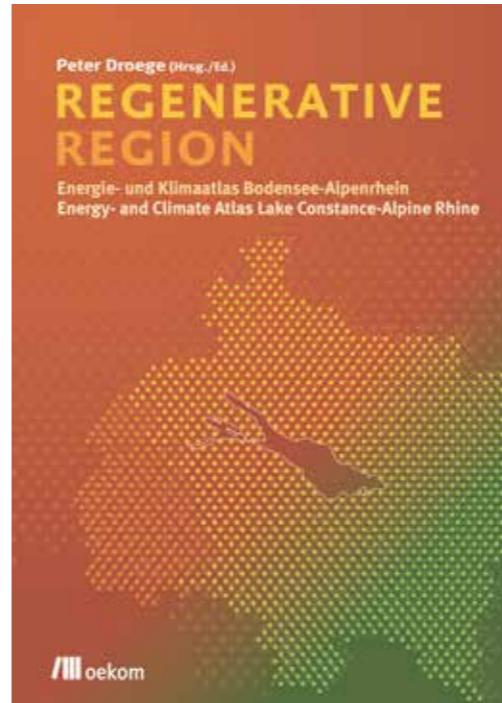
- University of Newcastle Conjoint Professorship



## Projects

# REGENERATIVE REGION

## LAKE CONSTANCE ALPINE-RHINE ENERGY REGION



**Date** 2012-2014  
**Client** International Lake Constance University

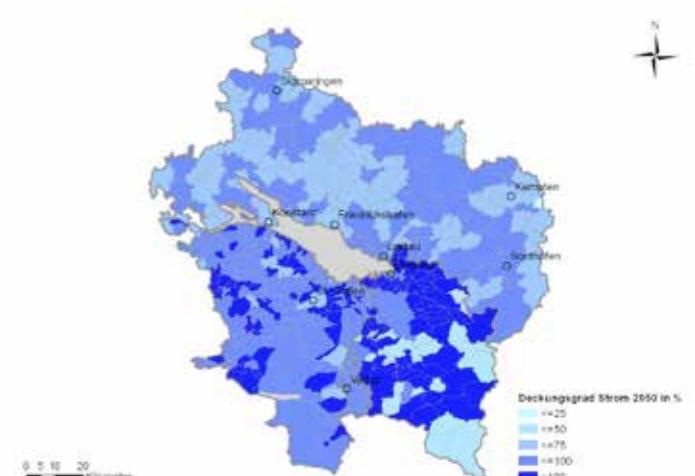
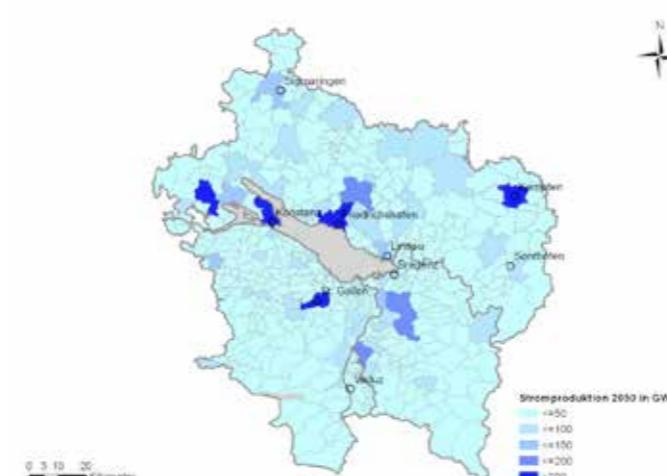
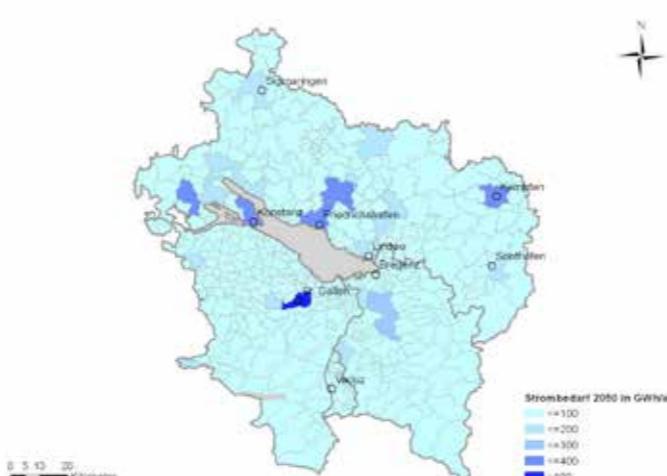
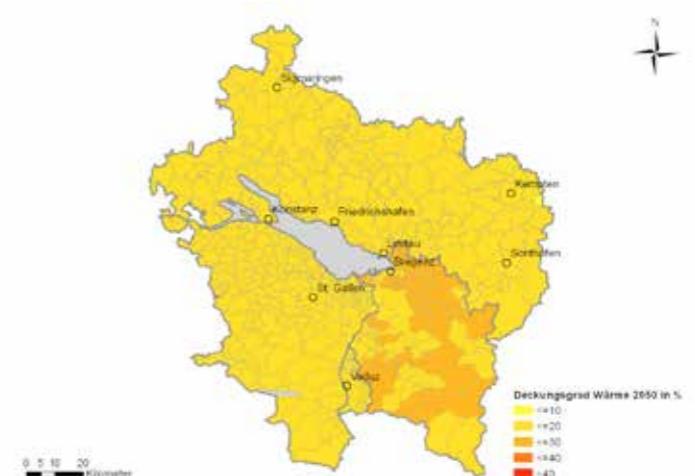
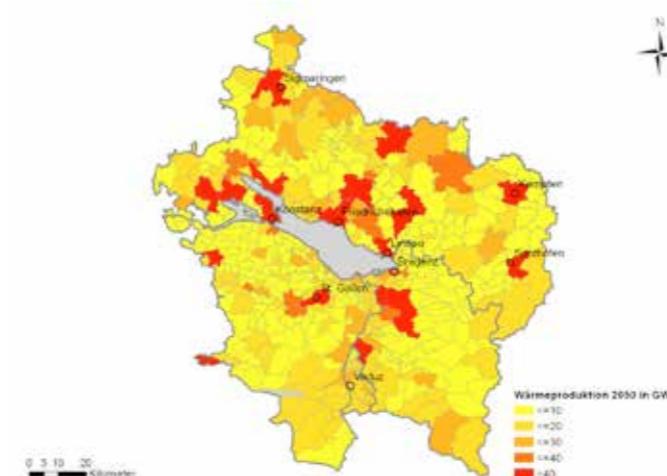
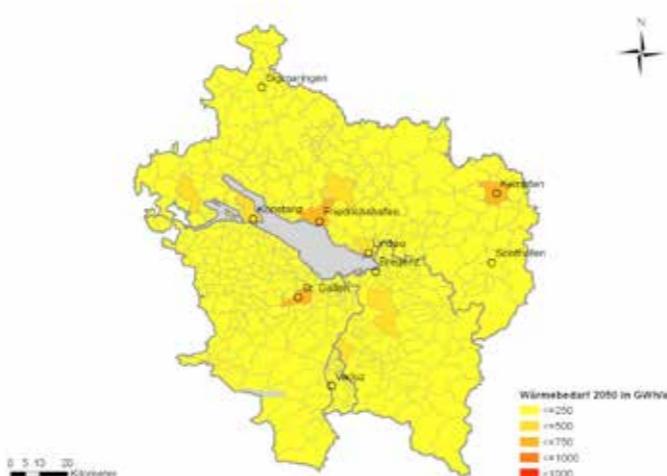
**Site Area** 15'000 km<sup>2</sup>  
**Study Budget** 2'000'000 USD

### Description

This is a six-dimensional project for the International Lake Constance Region. This large urban and rural area of more than four million inhabitants is shared by the four European countries Austria, Germany, Liechtenstein and Switzerland. Regenerative Region spatially models and maps regional resilience, renewable energy sufficiency and carbon sequestration potentials, energy efficiency in the building stock, urban settlement integration, regenerative mobility and the response by the community to the potentials and processes of renewable energy deployment. The results have been published as a book: Regenerative Region – Energy and Climate Atlas, by Oekom Publishers in 2014.

Professor Peter Droege initiated, designed, directed and published this project.

Images by Böhringer Friedrich, Peter Droege, Dieter Genske and Ariane Ruff.



# RENEWABLE LIECHTENSTEIN

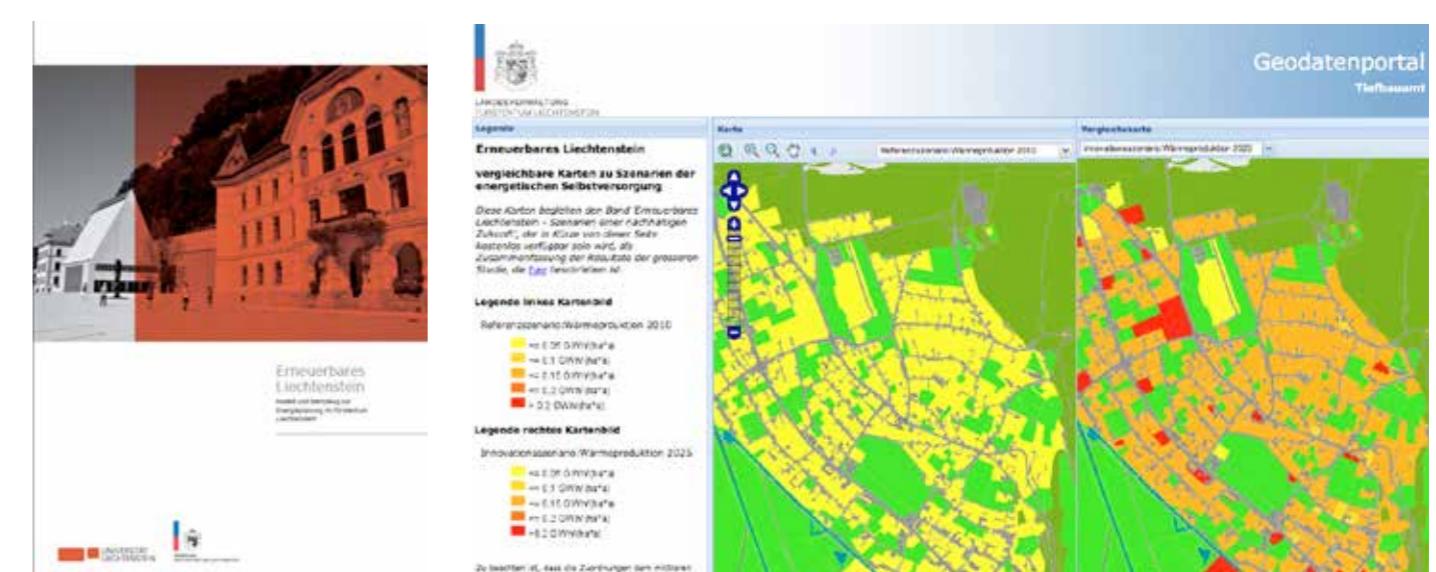
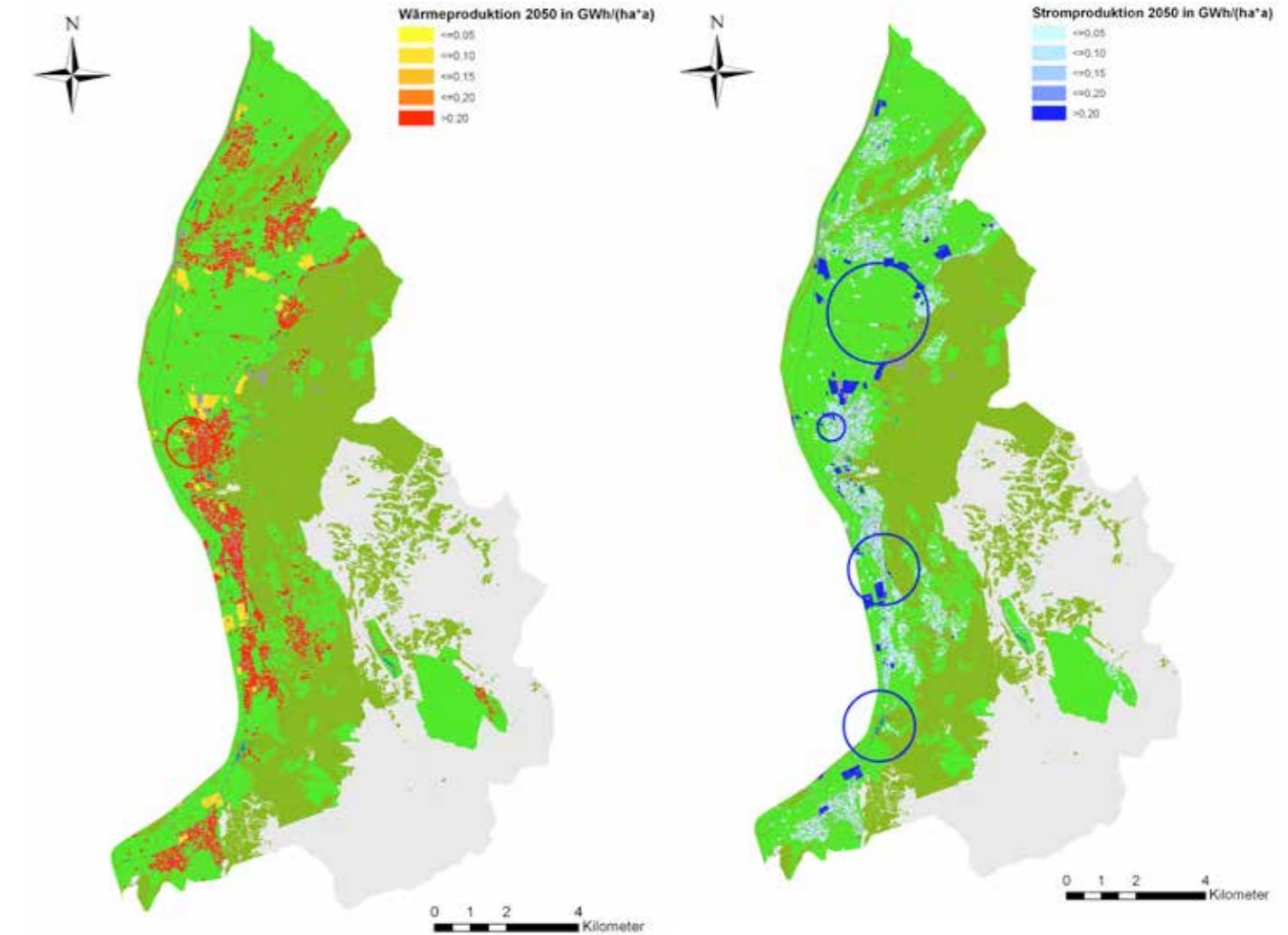
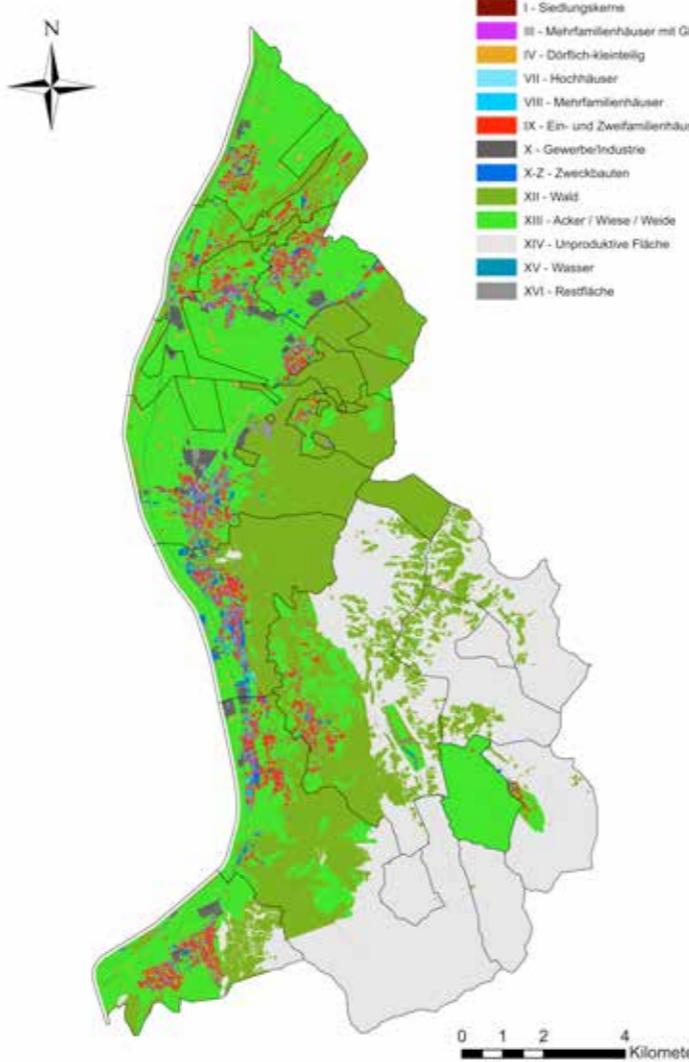
## LIECHTENSTEIN



<b>Date</b>	2011-2013
<b>Client</b>	Government and University of Liechtenstein
<b>Site Area</b>	160 km <sup>2</sup>
<b>Study Budget</b>	150'000 USD
<b>Description</b>	

This space type based project for the Principality of Liechtenstein demonstrates and dynamically models how the country can reduce and eliminate its 91% energy import dependency, basing its economy entirely on local renewable energy resources. The project envisions and maps on a geographical information system (GIS) platform various scenarios leading to complete renewable energy based independence by 2060-70. Professor Peter Droege initiated, designed, directed and published the project.

Images by Liechtenstein Marketing, Peter Droege, Dieter Genske and Ariane Ruff.



# RENEWABLE WILHELMSBURG

## HAMBURG, GERMANY

**Date**

2007-2013-today

**Client**

International Building Exhibition IBA-Hamburg GmbH

**Site Area**35,6 km<sup>2</sup> is the overall area of Wilhelmsburg, Europe's largest river island**Budget/  
Investment  
volume**

100 million Euro in management and planning costs leveraged more than 2 billion Euros in overall investment over a 6-year implementation period.

**Description**

Uli Hellweg was the CEO of the International Building Exposition IBA-Hamburg from 2007 to 2014, directing and conceptually driving it throughout these years.

Professor Peter Droege coined the term 'Renewable Wilhelmsburg', in a visionary guideline paper inaugurating and defining in 2007/2008 one of three major themes for the public development initiative IBA-Hamburg. Since then he played a central role in advising on renewable energy and efficiency aspects, supporting the implementation of a series of energy building projects, energy landscapes and the fundamental features of many of the IBA's model buildings. Today the IBA area is a living part of urban Hamburg: Wilhelmsburg is only two rail stops from downtown Hamburg.

Images by IBA Hamburg, Julien Lanoo, Johannes Arlt and Adrian Jones.



# MESTO MALINA™

MALACKY, BRATISLAVA METROPOLITAN REGION, SLOVAKIA



<b>Date</b>	2016-today
<b>Client</b>	REDE Projects Bratislava
<b>Site Area</b>	28 hectare
<b>Budget</b>	40 million Euro

**Description**  
Mesto Malina™ will be a unique new small town with a population of 2,000 nestled in forest and grasslands, its urban design combining traditional urbanity founded on age-old Slovak town building principles and the rich nature of the surrounding national forests, including the important European NATURA 200 protected Malina forest and river biocorridor. The well-connected 28 ha former military site lies 20 minutes north of Bratislava, where the city of Malacky meets the surrounding forests. Mesto Malina ('City of Nature') is organised around a main town square and three green urban bio-corridors linking the surrounding nature through the community; featuring home offices, shops, hotel rooms, a church and a civic hall, indoor and outdoor sporting facilities - and 750 residential homes in apartment buildings, unique urban villas and affordable single family homes. Mesto Malina™ will become a lively urban village, and be connected to the city of Malacky and set in the beautiful Pine Culture Nature Reserve just west of the Little Carpathians mountain range and east of the Morava river valley. It will offer comfortable and affordable home to young families, professionals, couples, singles and travellers. Mesto Malina™ will provide its own renewable energy and ecological water system, advanced wood construction and other carbon absorbing building materials, and cater to the highest aspirations of investors and residents alike. Mesto Malina™ is also envisioned to serve as an attractive gateway for ecological visits to the surrounding Nature Reserves and extensive networks of hiking trails.

In collaboration with Hellweg Urban Concept and Eduard Balcells Architecture+Urbanism+Landscape  
Images by Eduard Balcells Architecture+Urban Design+Landscape.



# YINFENG MASTERPLAN

## NINGBO, CHINA


**Date**

2006/7

**Client**

Ningbo Zhejiang Province Urban Development Corporation

**Site Area**
8,000,000 m<sup>2</sup>
**Budget**

Competition entry

**Description**
**Shared 1st Prize Winner, Haishu Precinct**

This riverfront project in Ningbo's Haishu precinct, situated between Nantang and Fenghua rivers and strung along the important Jinfeng Road leading southwest from the city center; investigates options for transforming a traditional and complex riverside industrial area into a series of modern mixed use facilities, integrating historic preservation areas, new waterfront parks, housing and office complexes with viable and revitalised existing light manufacturing and service industries. The plan focused on a rich public space network suffusing a multi-staged and careful upgrading of the entire 3.6 kilometer long inner-urban waterfront area.

Professor Droege led the Epolis/Beijing Conceptext team of this competition, winning one of two equal First Prizes.

Images by BCT/Epolis.



# YINFENG MASTERPLAN 1<sup>ST</sup> STAGE

## EDUCATION AND SCIENCE-BASED REDEVELOPMENT

### NINGBO, CHINA



**Date** 2006/7

**Client** Ningbo Zhejiang Province Urban Development Corporation

**Site Area** 8,000,000 m<sup>2</sup>

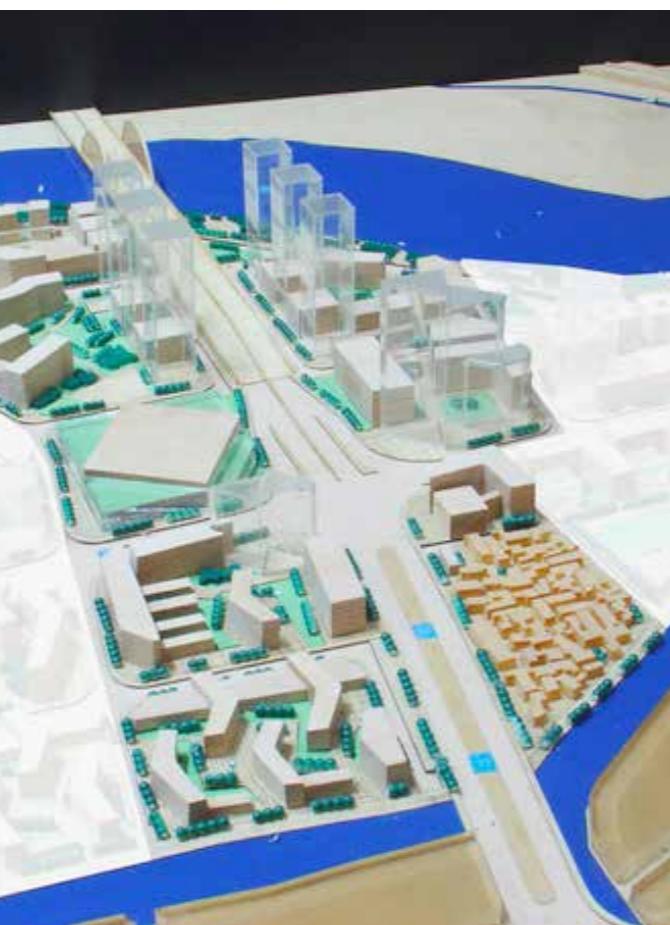
**Budget** Competition entry

**Description**

**Shared 1st Prize Winner, Haishu Precinct**

The first of some ten stages, three of which are clustered around bridges - as 'bridgeheads of science and technology' - is illustrated here. The idea of bridge connections perpendicular to Jinfeng Road anchoring the new urban centres is derived from the understanding that these are also the most accessible of the riverfront industrial park in the Haishu precinct, Ningbo.

Images by BCT/Epolis.



# YINFENG MASTERPLAN 4<sup>TH</sup> STAGE

NANGTANG RIVERSIDE LANDSCAPE

NINGBO, CHINA



江南水镇意象

**Date**

2006/7

**Client**

Ningbo Zhejiang Province Urban Development Corporation

**Site Area**

8,000,000 m<sup>2</sup>

**Budget**

Competition entry

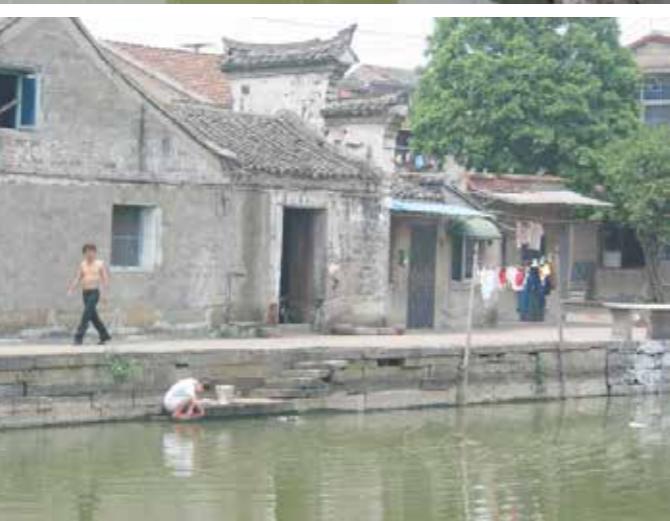
**Description**

**Shared 1st Prize Winner, Haishu Precinct**

The pedestrianised Nantang Old Street (Nan Tang Lao Jie Bu Xing Jie) south of the eastern stretch of Nantang River and just west of Nanjiao River, forms the central spine of Stage 4, one of the historical urban regeneration projects of the Jinfeng Masterplan. This is being carefully upgraded to traditional fisher housing, small hotels and fine entertainment establishments. Stage 4 and 8 of our Jinfeng Road Masterplan for Haishu, Ningbo, celebrates and reserves part of the rich waterway network tradition of Ningbo – much of which has been lost through rapid development – but can be recovered through careful urban archaeology and design.

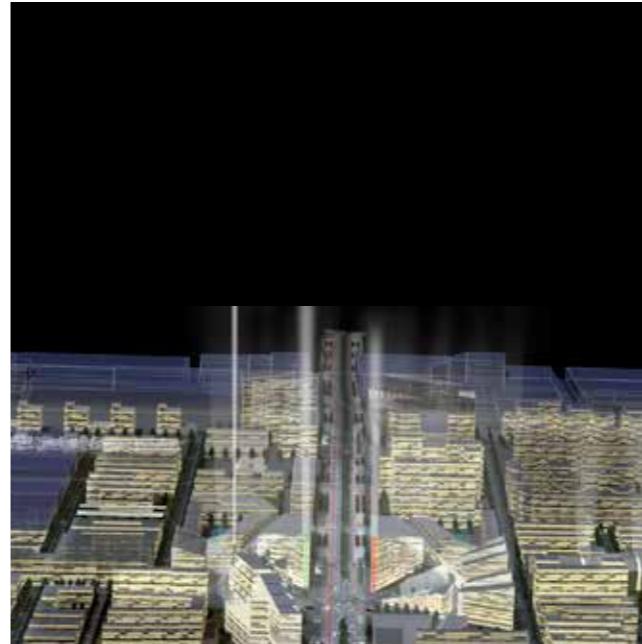
Professor Droege led the Epolis/Beijing Conceptext team of this competition, winning one of two equal First Prizes.

Images by BCT/Epolis .



# INTERNATIONAL MEDIA BOULEVARD

## BEIJING, CHINA

**Date**

2006/7

**Client**

Xicheng District Government, Beijing

**Site Area**

720 hectares

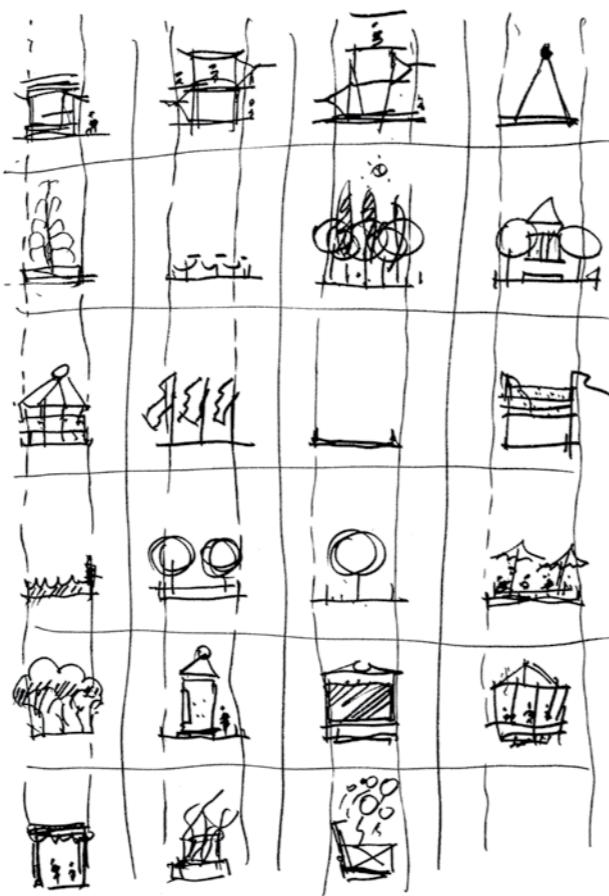
**Budget**

Winning Competition 200'000 USD

**Description****1st Prize Winner, International Media Boulevard**

The traditional and existing mixed-use and complex urban areas east and west of the 3.2-kilometer long stretch of Xuanwumen/ Caishikou Streets between Xidan Station/ Chang'an Avenue and the Second Ring Road (South) were focus of an international design competition. Professor Droege led the winning international team of Australian and Chinese designers, winning First Prize, before German Planning company Albert Speer Planners (KSP) Shanghai Office, Tsinghua University and Beijing Architectural Design Institute teams.

Images by Beijing Conceptext and DEM.



# NEW CICHENG

## NINGBO, CHINA

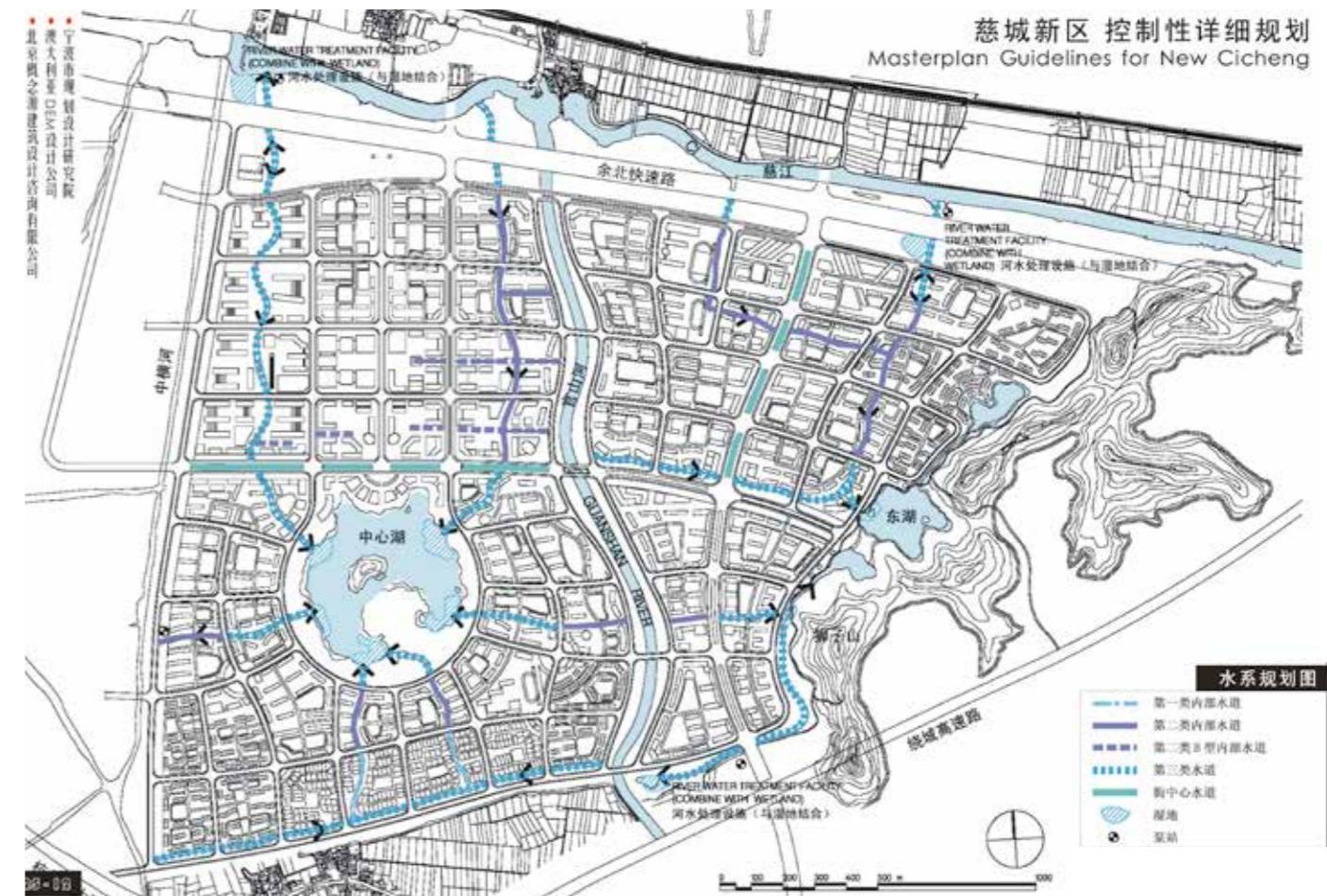


<b>Date</b>	2003-2006-construction continuing today
<b>Client</b>	Cicheng Ancient Town Development Company
<b>Site Area</b>	5,500,000 m <sup>2</sup>
<b>Contract value</b>	600,000 USD
<b>Construction value</b>	USD 80 million first stage infrastructure and construction
<b>Description</b>	

### 1st Prize Winner, Ningbo Cicheng New City Plan

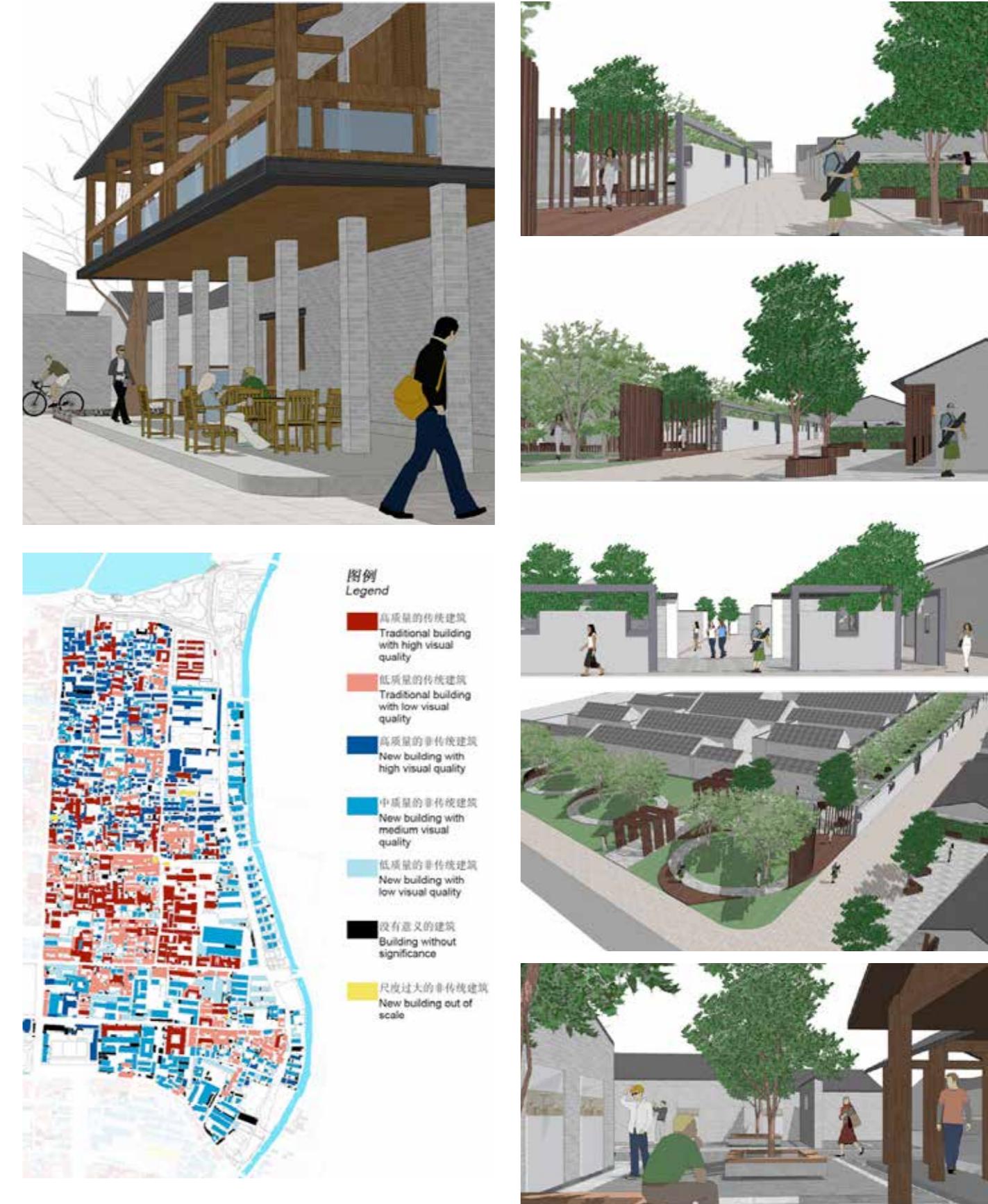
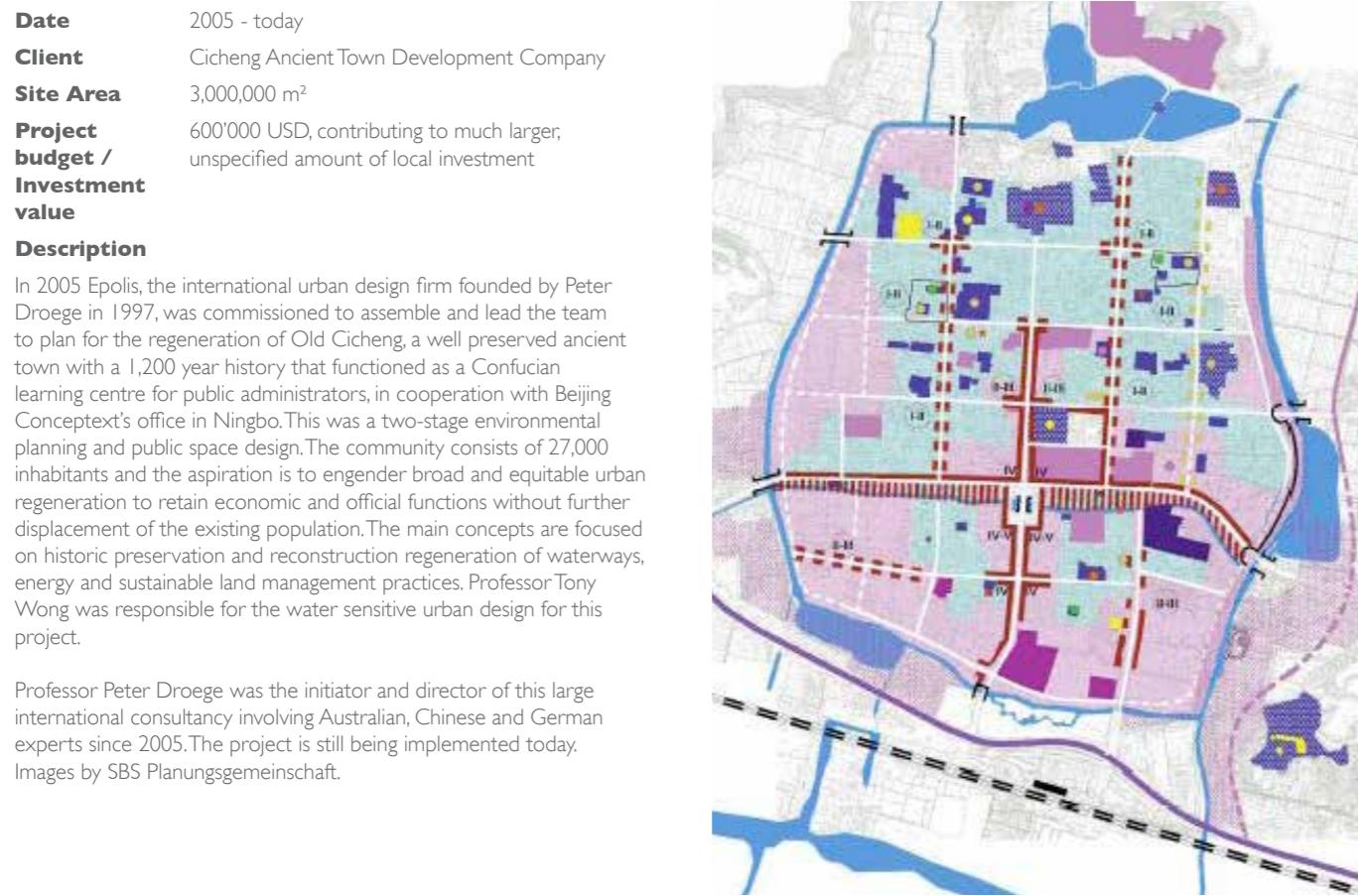
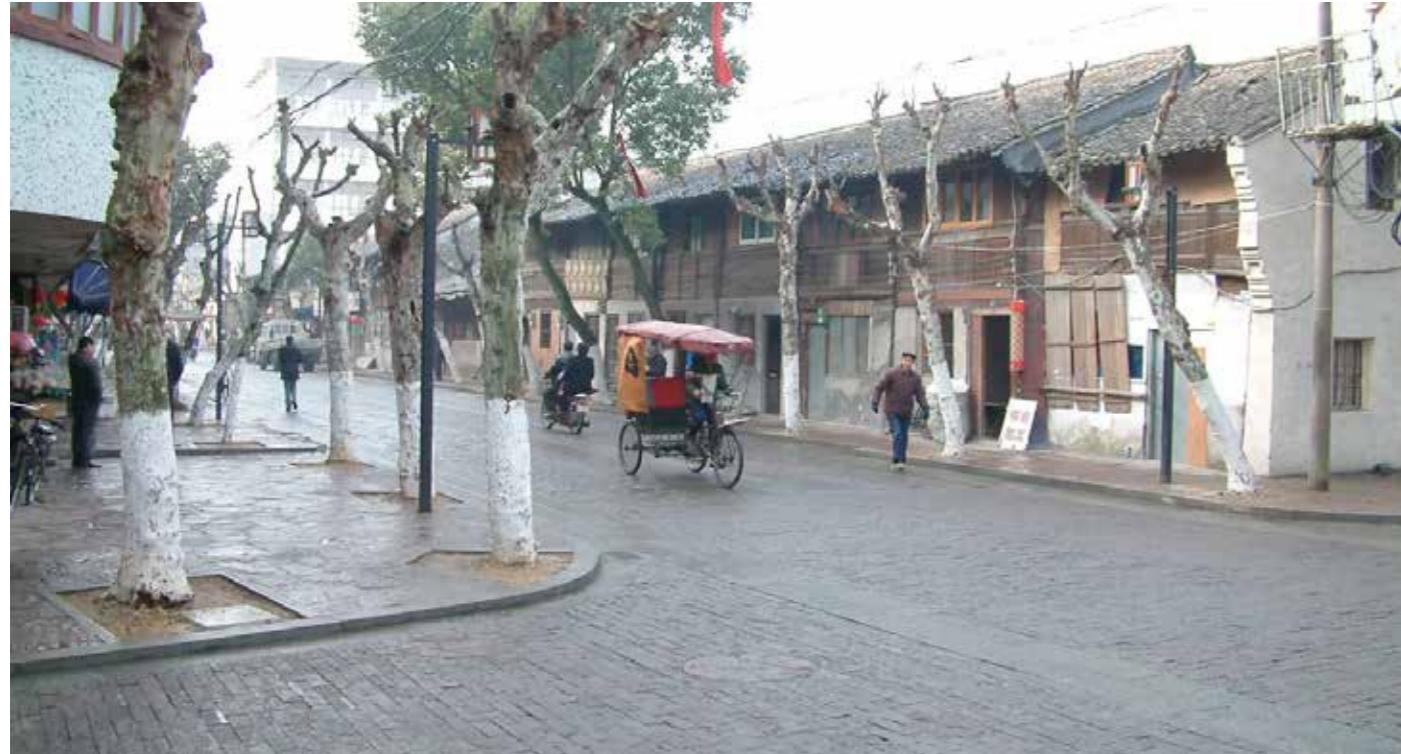
Aim of the project is to facilitate a housing mixed use development as one of greater Ningbo's urban expansion centres, in a manner that also enables early cash flows to fund substantial amenity improvement and heritage reconstruction projects in a historical town to the north of the development, which was also led by Peter Droege. The new city development is one of the earliest and largest application of water sensitive urban design in China, and Peter Droege was able to use the project to apply the know-how gained on the 27ha Victoria Park projects – but here 20 times the area. Peter Droege led the team winning the original competition in 2003, featuring innovative water sensitive urban design (WSUD) principles. This new urban centre for 50,000 inhabitants and workers, situated at the north-western frontier of greater Ningbo, not far from the new Hangzhou Bay Bridge links to Pudong and Shanghai. More than half of it has been completed. Professor Tony Wong was responsible for the water sensitive urban design for this project.

Images by BCT/Epolis.



# CICHENG OLD CITY

## NINGBO, CHINA



# CHONGQING FORTUNE PLAZA

## CHONGQING, CHINA



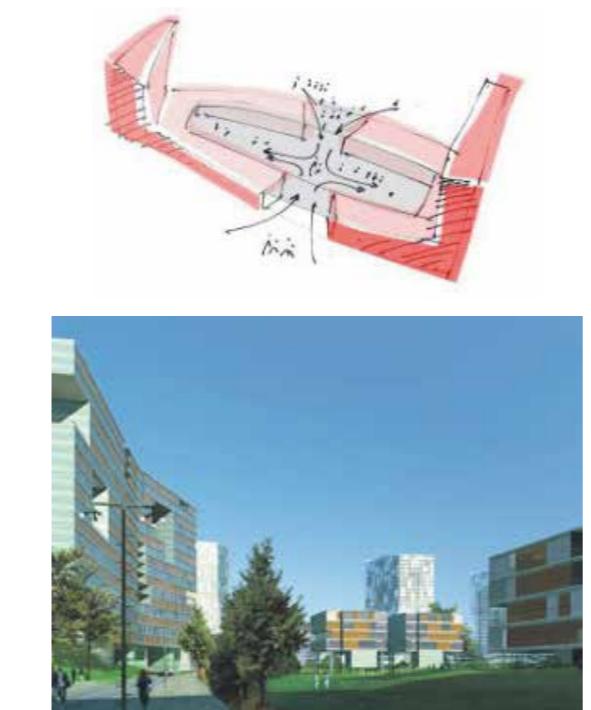
<b>Date</b>	2004-
<b>Client</b>	Hong Kong Investments (HKI), Beijing
<b>Site Area</b>	450,000 m <sup>2</sup>
<b>Investment value</b>	AU\$600 million first stage

### Description

#### 1st Prize Winner, HKI Chongqing Plan

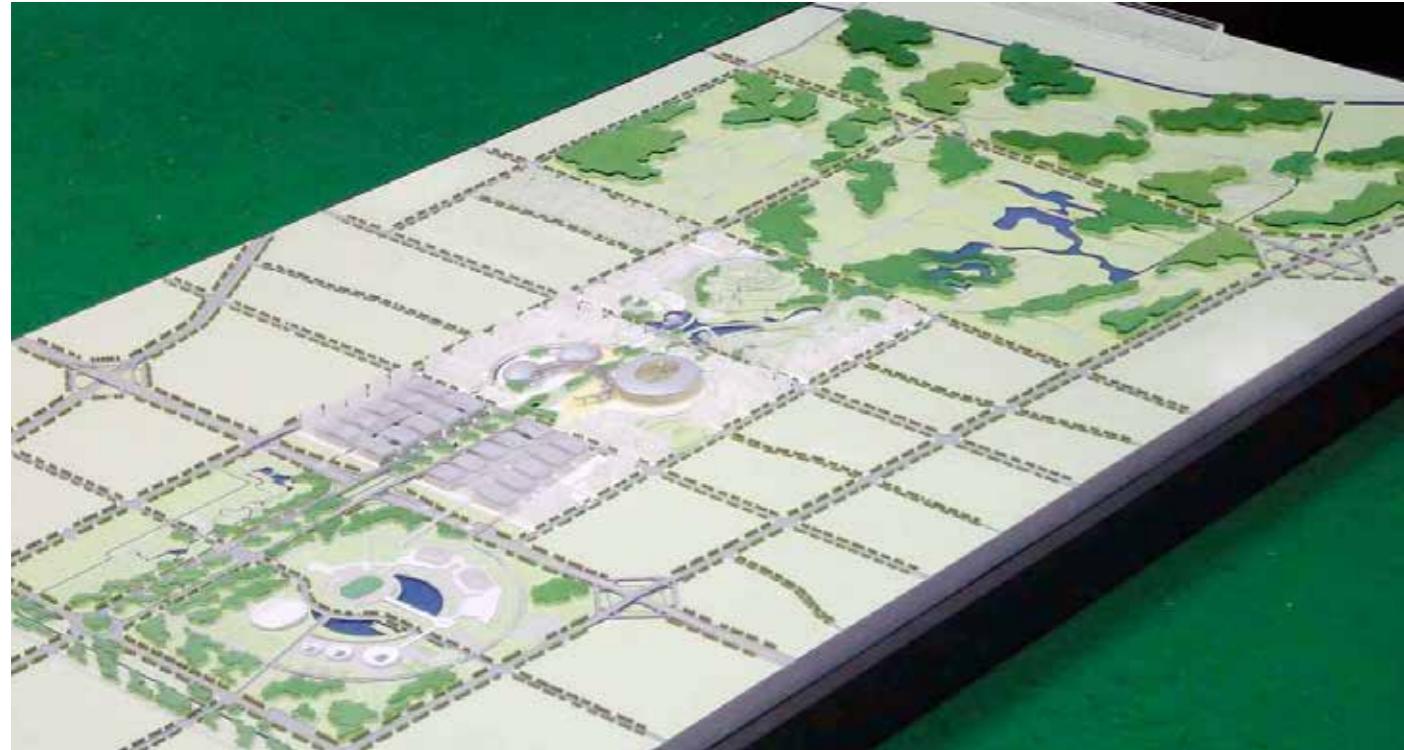
Aim if the competition was to devise a high-quality entertainment, wellness and lifestyle based retail complex and upmarket office environment anchoring a major regional residential centre in the new mixed use development district to the north of downtown Chongqing, currently the largest city in the world (33 million inhabitants). Water sensitive urban design and energy efficiency/cogeneration were a key part of the concept. Professor Peter Droege assembled and directed the international team of Australian, German and Chinese designers that won the competition with the First Prize. Second ranking was received by the US firm HOK. The project is now being completed under local guidance.

Images by BCT/Epolis.



# BEIJING OLYMPIC MASTERPLAN COMPETITION

## BEIJING, CHINA

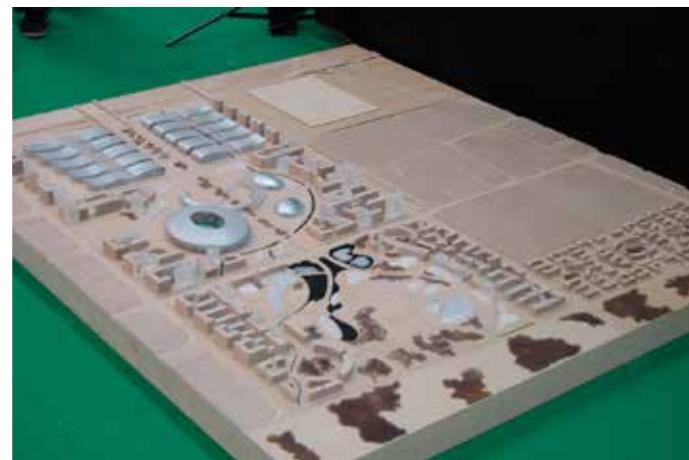
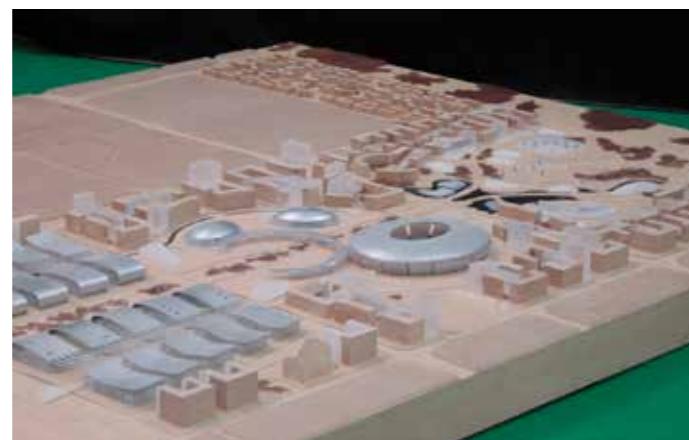


<b>Date</b>	2002
<b>Client</b>	Beijing Olympic Coordination Authority
<b>Site Area</b>	1,135 hectares
<b>Budget</b>	International Competition, Second Prize, 150'000 USD
<b>Description</b>	

### 2nd Prize Winner, Beijing Olympic Masterplan

Professor Peter Droege led an international team involving members of the Beijing Municipal Institute for City Planning and Design, one his PhD graduates, Dr Rao Ying and his Beijing Conceptext company and the Australian design firm DEM to win Second Prize of the Olympic Green Masterplan Competition. Distinguishing features were the extremely efficient public space, zoning and venue disposition arrangements and especially the ease with which site and venues could be reconfigured and reused after the Games. The jury's choice for first prize, Sasaki's dragon inspired plan satisfied the desire of a monumental and enduring plan that conflicted with the competition brief emphasising the usefulness of the Games facility legacy - but saddled the City of Beijing with large areas and sites that are underused and difficult to dispose of.

Images by BMCIPD, Beijing Conceptext and DEM.



# MELBOURNE DOCKLANDS

## MELBOURNE, AUSTRALIA



<b>Date</b>	1995-2004-today
<b>Client</b>	Docklands Authority, later VicUrban
<b>Site Area</b>	2,000,000 m <sup>2</sup>
<b>Investment value</b>	Several billion Australian dollars total capital investment
<b>Description</b>	

To help guide stage master plan and urban design and as architectural and landscape development by a series of developer-architect teams, Professor Droege was engaged to accompany the early masterplanning process, staged bid and design negotiations and final design development by selected developer/designer teams. Professor Peter Droege served as a key expert in urban design and amenity during all major development stages from inception to construction peak (1995-2004), as well as urban environmental sustainability guide throughout the advancement of the shared, developer carried ESD (Sustainability) Guide. Professor Tony Wong was responsible for the water sensitive urban design for this project.

Images by VicUrban and AECOM.



# VICTORIA PARK MASTERPLAN

## SYDNEY, AUSTRALIA

**Date**

1995-2004-today

**Client**

Landcom, Australian state government development agency

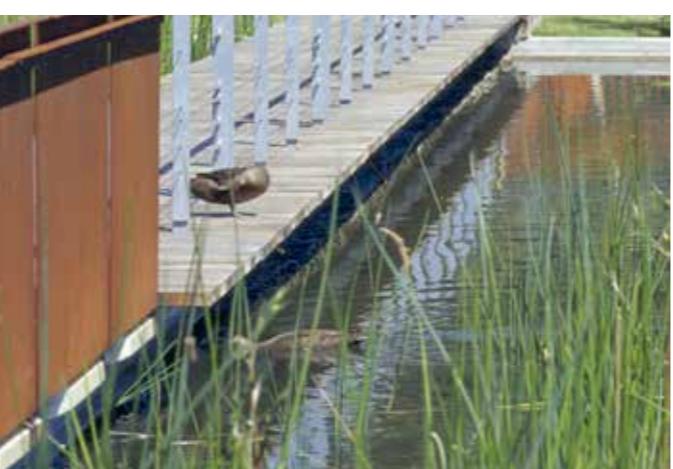
**Site Area**270,000 m<sup>2</sup>**Investment value**

One billion Australian dollars total capital investment

**Description**

The project involved the conversion of a former racetrack-turned-car factory into a new inner-urban medium-density neighbourhood for 4,500 apartments, offices, shopping centers and major public streets and parks. Peter Droege's role was to guide and structure master plan, landscape and leading-edge water sensitive planning, urban design and architectural development by a series of developer-architect teams, assisting the public development corporation Landcom in its responsibilities as master developer. Today, while the very last parcels are being developed, Victoria Park continues to be a practical and financially lucrative showcase for the most advanced of developer-led environmental innovations, in water, energy, materials and lifestyle. Professor Tony Wong was responsible for the water sensitive urban design for this project.

Images by Landcom and Hassell.



# ULTIMO PYRMONT REGENERATION

## SYDNEY, AUSTRALIA



# IJBURG NEW ISLAND CITY

## AMSTERDAM, THE NETHERLANDS



**Date** 1991-2015

**Client** City of Amsterdam Physical Planning Department (DRO)

**Site Area:** 3.3 km<sup>2</sup>

**Investment value** 400 million Euros infrastructure cost

**Description**

This 'city of seven islands' is the latest of Amsterdam expansions, as 'new island city' concept going back to plans of the 1960s. As principal urban design advisor Professor Peter Droege was engaged by the City of Amsterdam to help guide design concepts which helped bring about the ultimate launch of construction and the currently well progressed development process. The ultimate plan development team was led by DRO planner Ton Schaap. Images courtesy by City of Amsterdam. It will accommodate some 45,000 residents over a 25-year construction and development process.

Images by DRO, Ruth Visser, Claire Bennie, Amsterdam by the Sea, Linda van den Dobbelenstein and Cie.



# POST OFFICE SQUARE

## BOSTON, USA


**Date**

1983/4-

**Client**

Friends of Post Office Square Inc.

**Site Area**

1.7 acres

**Description**

The Boston developer Norman B. Leventhal founded Friends of Post Office (established in 1874) in 1983 in order to purchase and remove an outdated 25-year old public parking garage and replace it with a modern underground facility and a privately managed but publicly accessible park. Peter Droege was the lead designer of the original schemes developed with his senior design partner, then-Dean of MIT's school of Architecture and Planning, William L. Porter. The resulting research schemes led to investigations by Skidmore Owings and Merrill and later the final detail designers The Halverson Company to execute the vision. The park opened in 2009 and has been awarded numerous prizes and recognitions.

Images by Ed Wonsek, Ellen Zweig, Jan Chan, Pat Greenhouse and Patrice Todisco.



# CHURCH ST MARKETPLACE, BURLINGTON

## VERMONT, USA

**Date**

1980-now

**Client**

City of Burlington, Vermont

**Site Area**4,500 m<sup>2</sup>**Description**

Supported by an Urban Mass Transit Authority (UMTA) grant the city of Burlington engaged the Cambridge company of Carr Lynch to revitalise four blocks of Burlington's main street, Church Street, as part of a bus transit route and plans for a pedestrian zone. Peter Droege worked as a leading young designer on various aspects of the project, public space amenities, canopies and general design and public space management guidelines. Church Street Marketplace is today one the finest public spaces in the United States, still being refined, still alive.

Images by Carr Lynch and Sandell Architecture, Hemmings, Ron Redmond, Church Street Marketplace and Carolyn Bates.



# SCHWANDORF OLD CITY REVITALISATION

## SCHWANDORF, GERMANY



**Date** 1975-2015

**Client** SBS Planning Cooperative / City of Schwandorf

**Site Area** 123.78 km<sup>2</sup>

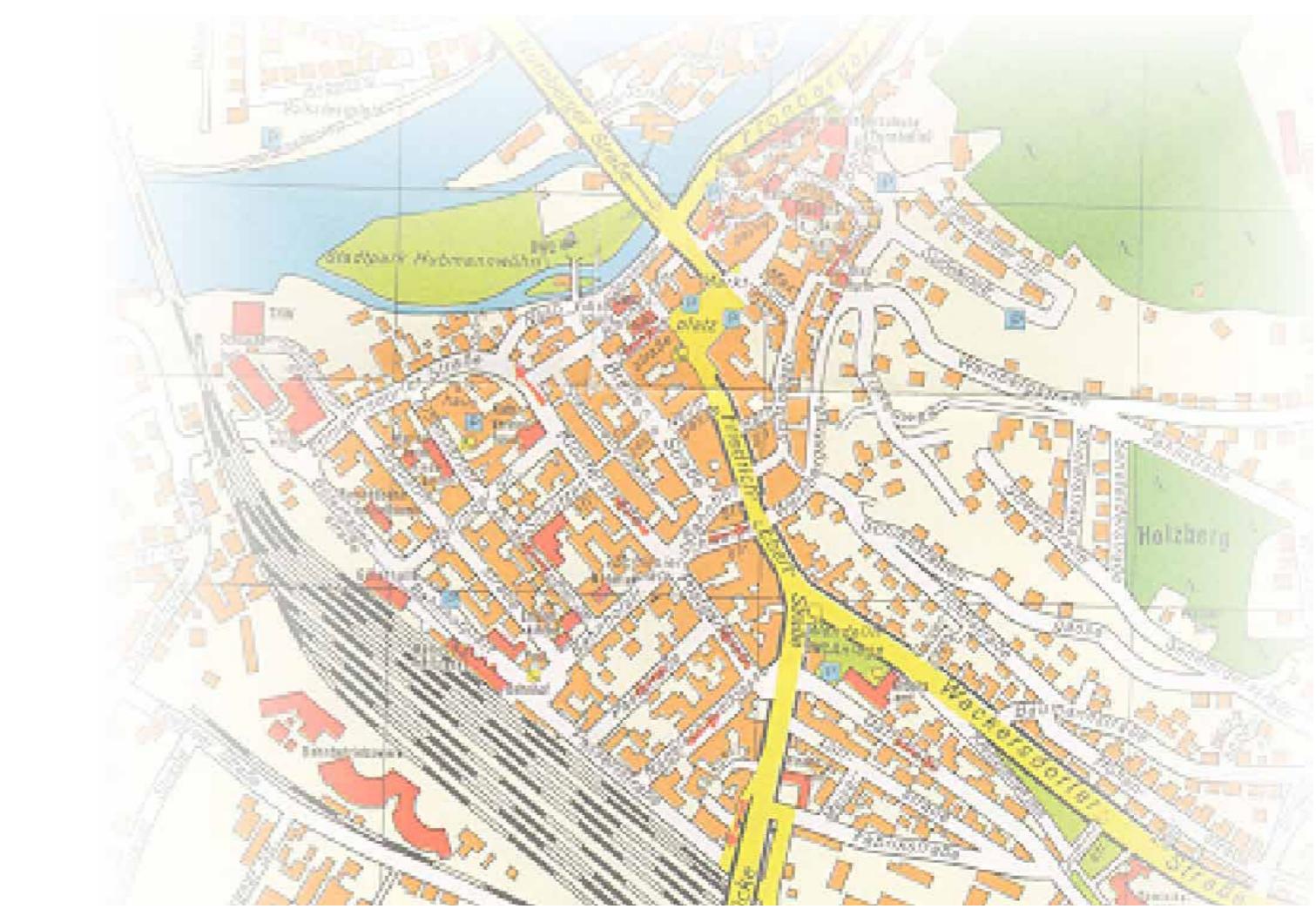
**Budget** 400,000 USD, leveraging more than 40 million USD in local investment

**Description**

Peter Droege contributed to the initial assessment of the physical, social and economic features, conditions, challenges and options facing Schwandorf in Bavaria, Germany. This process led to a long series of design interventions, many of which were since carried out by Peter Droege's then-employers, SBS Planungsgemeinschaft in Munich. Much of Schwandorf has been revitalized today, with some projects still being implemented. This project is another example for the perseverance and time required for comprehensive and complex urban regeneration programs.



Images by Grosse Kreisstadt Schwandorf and Avarim.





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