



## Lijiang Yunnan - China



Schmiljanstraße 7  
12161 Berlin  
Germany  
Phone: +49 30 8516616  
Email: info@ib-kraft.de

Location: Lijiang Yunnan – China  
Project: Masterplan Hotel Resort Development Lijiang  
Size: 69.59 ha  
Planning: 2015/2016  
Architects: ISA - Beijing

- Master Plan of storm water harvesting, wastewater treatment and potable water supply
- Housing projects and Hotel Club Med
- Water storage on islands and waters with 7,4 ha water surface





## Zhejiang Anji Park - China

INGENIEURBÜRO  
**KRAFT**

Schmiljanstraße 7  
12161 Berlin

Germany

Phone: +49 30 8516616

Email: info@ib-kraft.de

Location: Anji – China

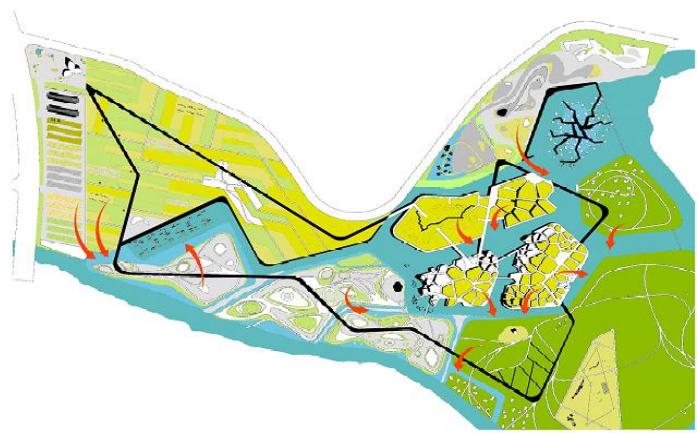
Project: Concept for improvement of water quality and wastewater treatment

Size: 72.8 ha

Planning: 2016

Architects: A24

- Water resource management concept for the project area
- Sustainable concept for improvement of the water quality for the newly structured waters
- Water management for stormwater reuse and natural wastewater treatment





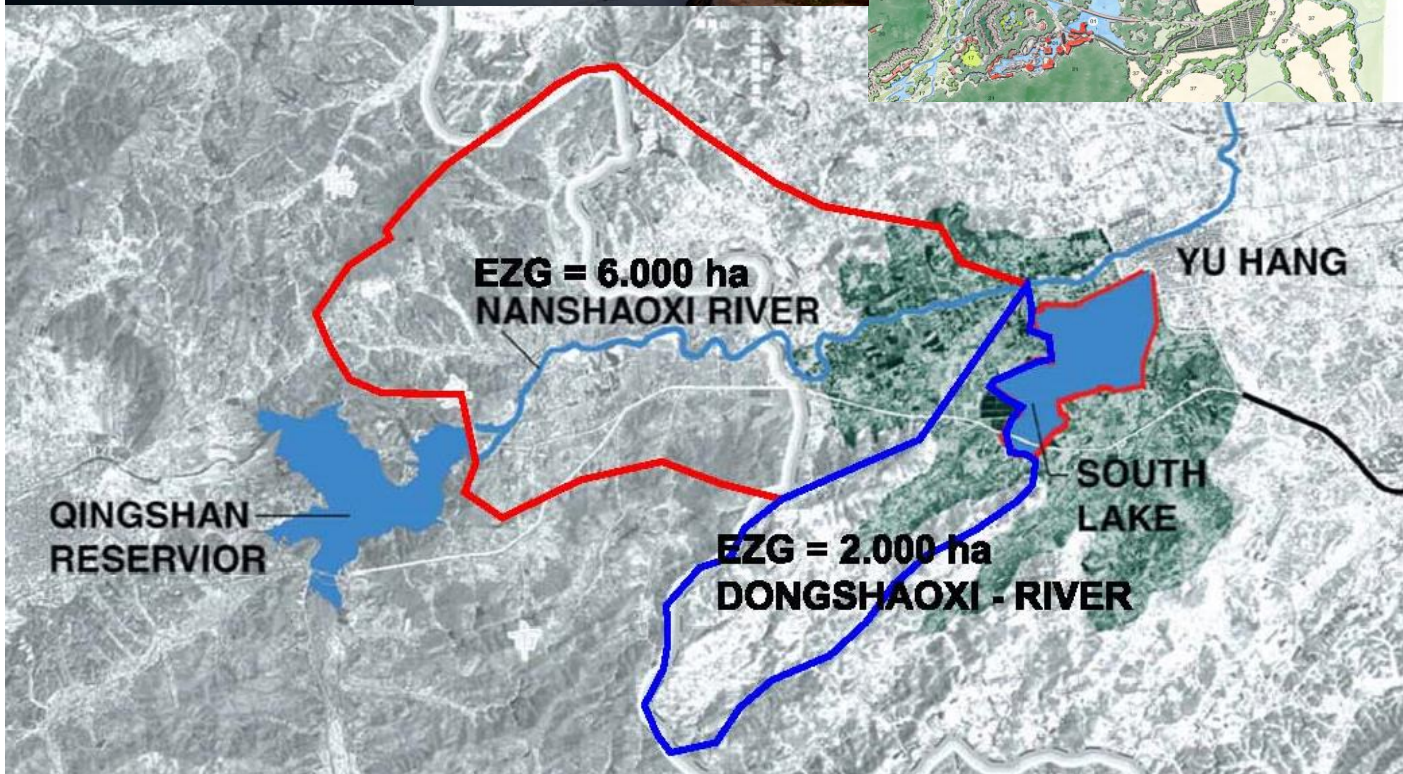
New West Lake Yu Hang - China

Location: Yu Hang – China  
 Project: Recreation area New West Lake  
 Size: 11.5 km<sup>2</sup>  
 Planning: 2005  
 Architects: SOL - Stuttgart



Schmiljanstraße 7  
 12161 Berlin  
 Germany  
 Phone: +49 30 8516616  
 Email: info@ib-kraft.de

- Construction of a new lake 460 ha
- Flood retention area 512 ha
- Recreation and housing projects





2nd architectural Biennale Beijing 2006 - China

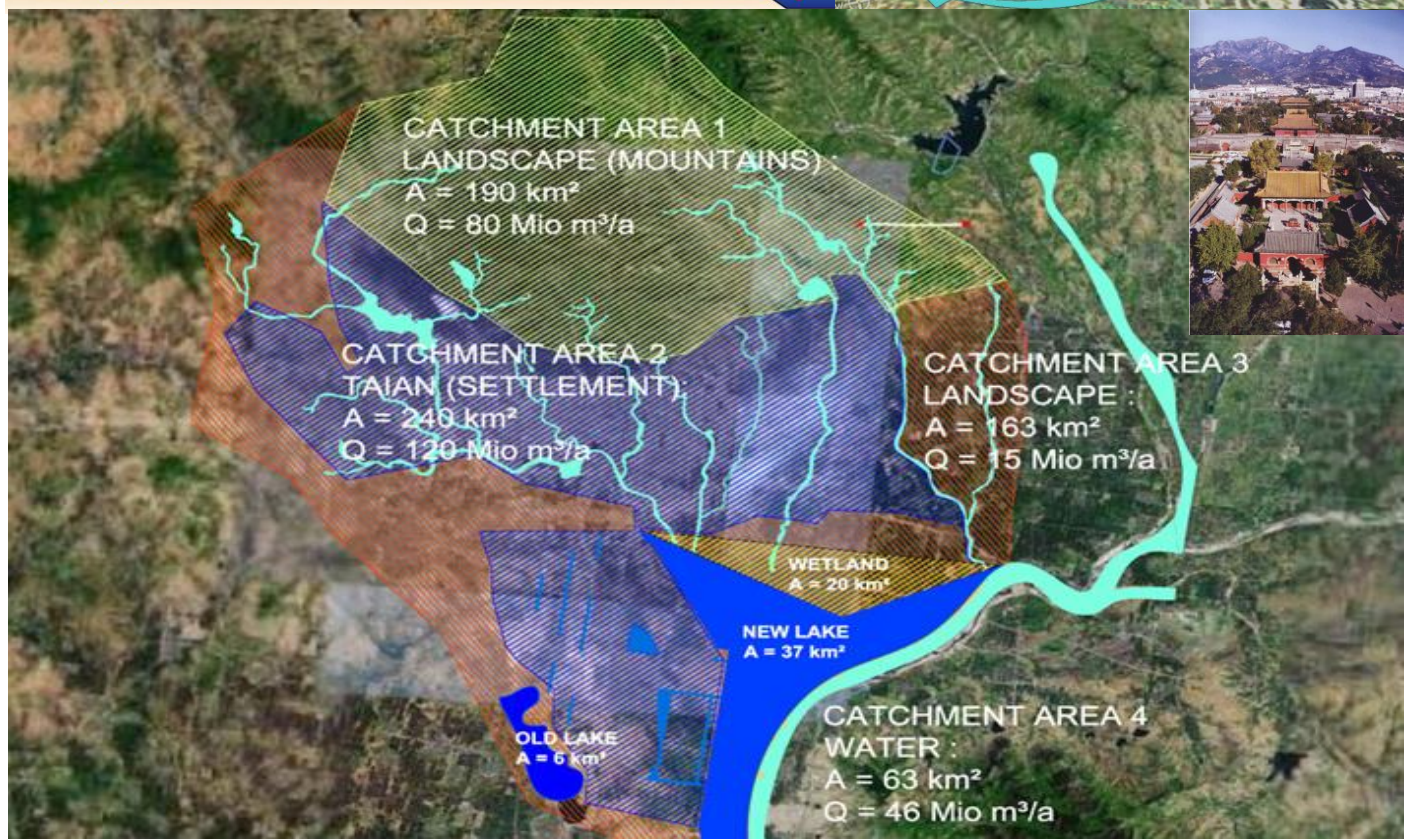
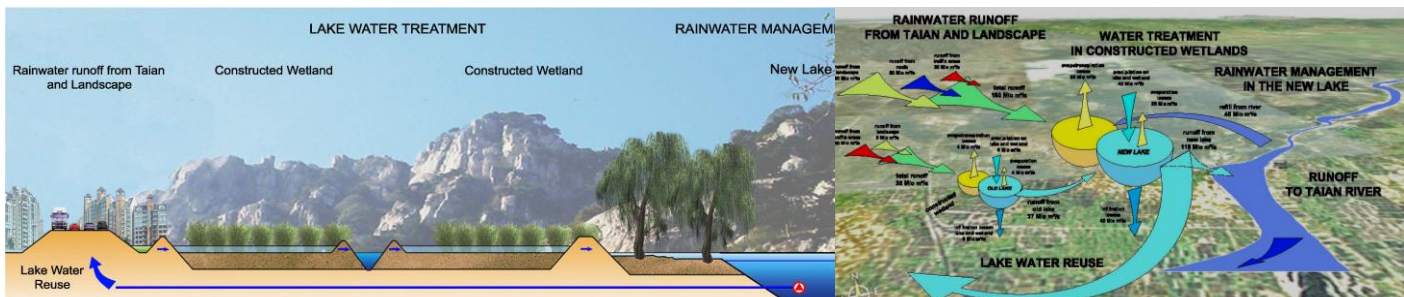
Location: Taian - China  
 Project: Integrated vision: "Green Mountain Water City"  
 Architects: SOL (MBA/S) - Stuttgart



Schmiljanstraße 7  
 12161 Berlin  
 Germany  
 Phone: +49 30 8516616  
 Email: info@ib-kraft.de

Rainwater management catchment area : 600 km<sup>2</sup>

- artificial lake
- runoff from roofs and streets
- treatment in wetlands
- reuse of treated rainwater





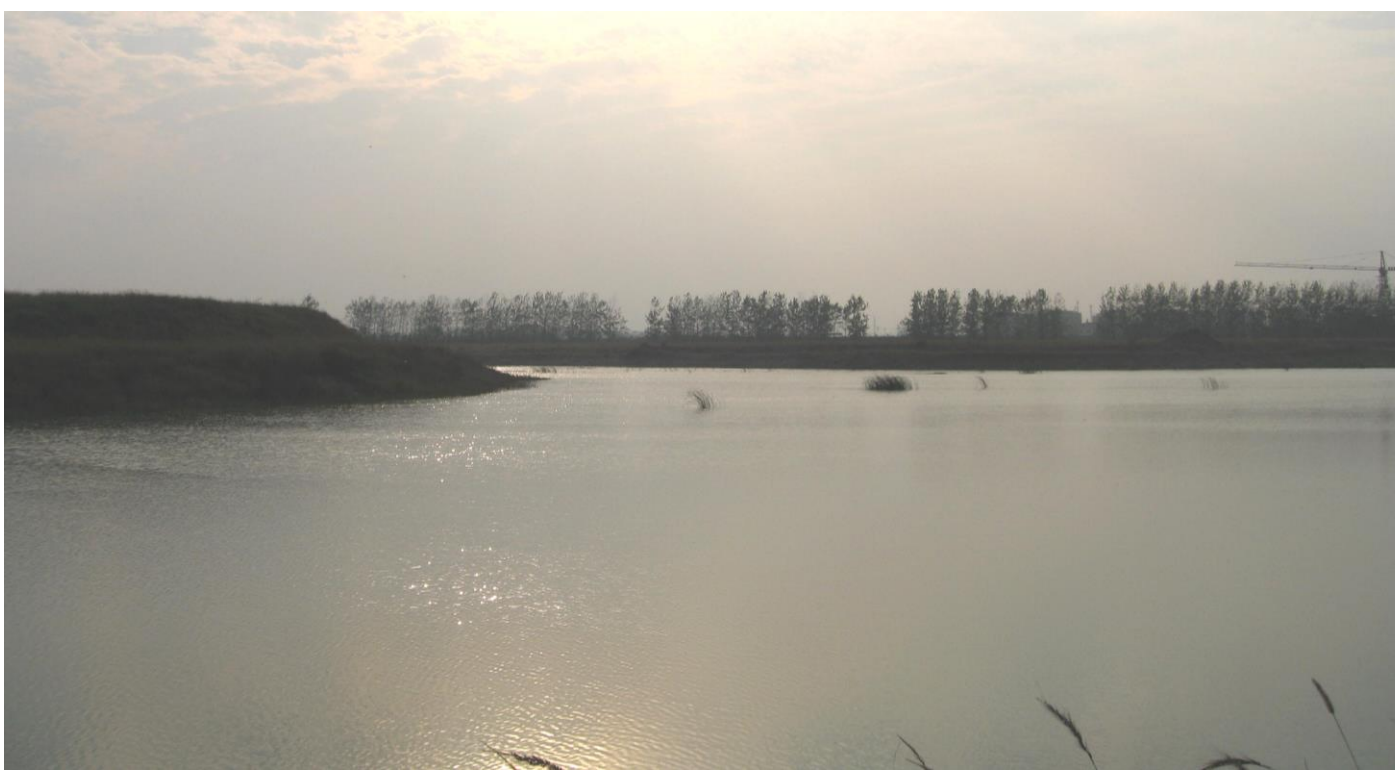
## Hefei "Greenharbour" - China

Location: Hefei – China  
 Project: Housing estate "Greenharbour" 11,000 cap. (200 ha)  
 Planning: 2006 – 2007, Feasibility study



Schmijanstraße 7  
 12161 Berlin  
 Germany  
 Phone: +49 30 8516616  
 Email: info@ib-kraft.de

- Rainwater harvesting and reuse
- Artificial lake 30 ha
- Wastewater treatment and reuse (14,000 PE)
- Decentralised treatment with rootzone treatment plants





Xia Zhu, Deking - China

Location: Xia Zhu, Deking – China

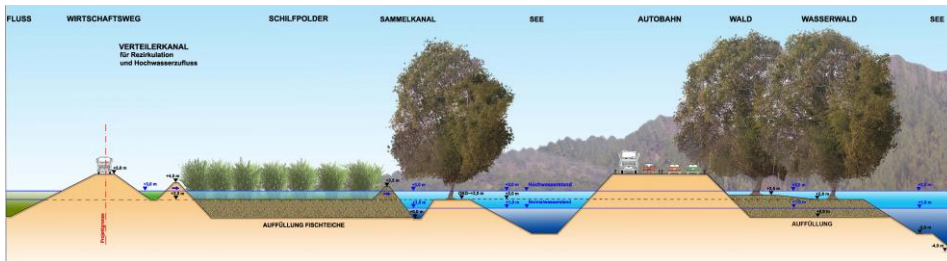
Planning: 2005

Landscape Architects: SOL - Stuttgart

- Competition for a landscaping park and wetlands
- Planning area 50 km<sup>2</sup>
- Lakes 7 km<sup>2</sup>
- Flood retention
- Lake water treatment
- Floodwater treatment



Schmiljanstraße 7  
12161 Berlin  
Germany  
Phone: +49 30 8516616  
Email: info@ib-kraft.de





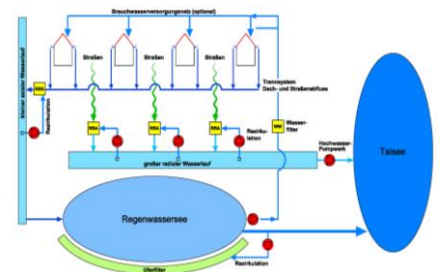
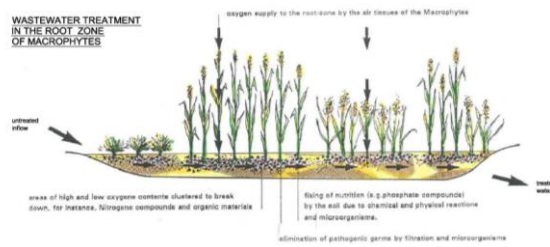
Wujiang - China

Location: Wujiang – China  
 Planning: 2008  
 Landscape Architects: SOL – Stuttgart; AP Plan – Stuttgart, Berlin



Schmiljanstraße 7  
 12161 Berlin  
 Germany  
 Phone: +49 30 8516616  
 Email: info@ib-kraft.de

- International Competition High-End-Ecological-City WUJIANG - 2<sup>nd</sup> rank
- Rainwater-management and -drainage, decentralized Treatment and Recirculation
- Rehabilitation of the Tai-Lake-Bay 175 km<sup>2</sup>
- Flood protection





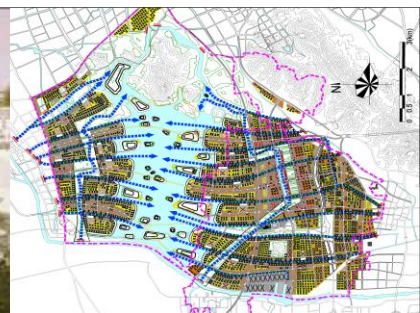
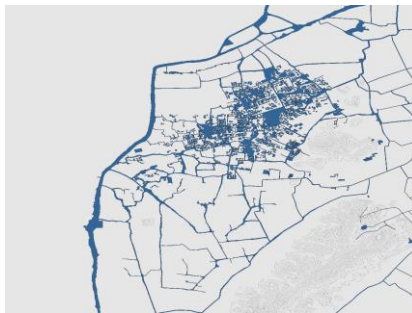
Hangzhou - Chongxian- China

Location: Hangzhou – Chongxian, China  
 Project: New City Chongxian (38 km<sup>2</sup>) and surrounding (80 km<sup>2</sup>)  
 Planning: 2010 international competition – 1<sup>st</sup> place  
 2011 feasibility study for masterplan



Schmiljanstraße 7  
 12161 Berlin  
 Germany  
 Phone: +49 30 8516616  
 Email: info@ib-kraft.de

- Rainwater reuse
- Artificial lake 1,000 ha, channels 700 ha
- Water conversation
- Flood prevention







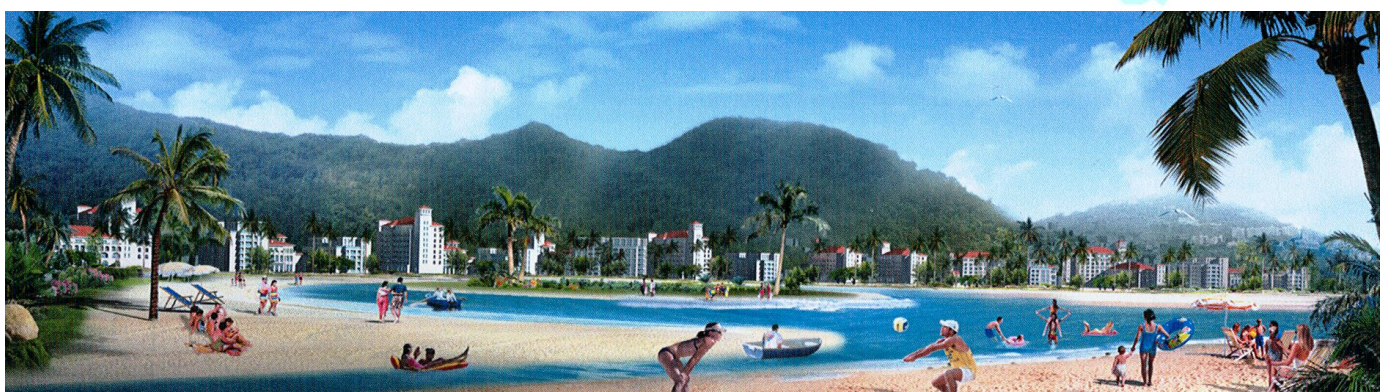
## Meizhou - Island - China

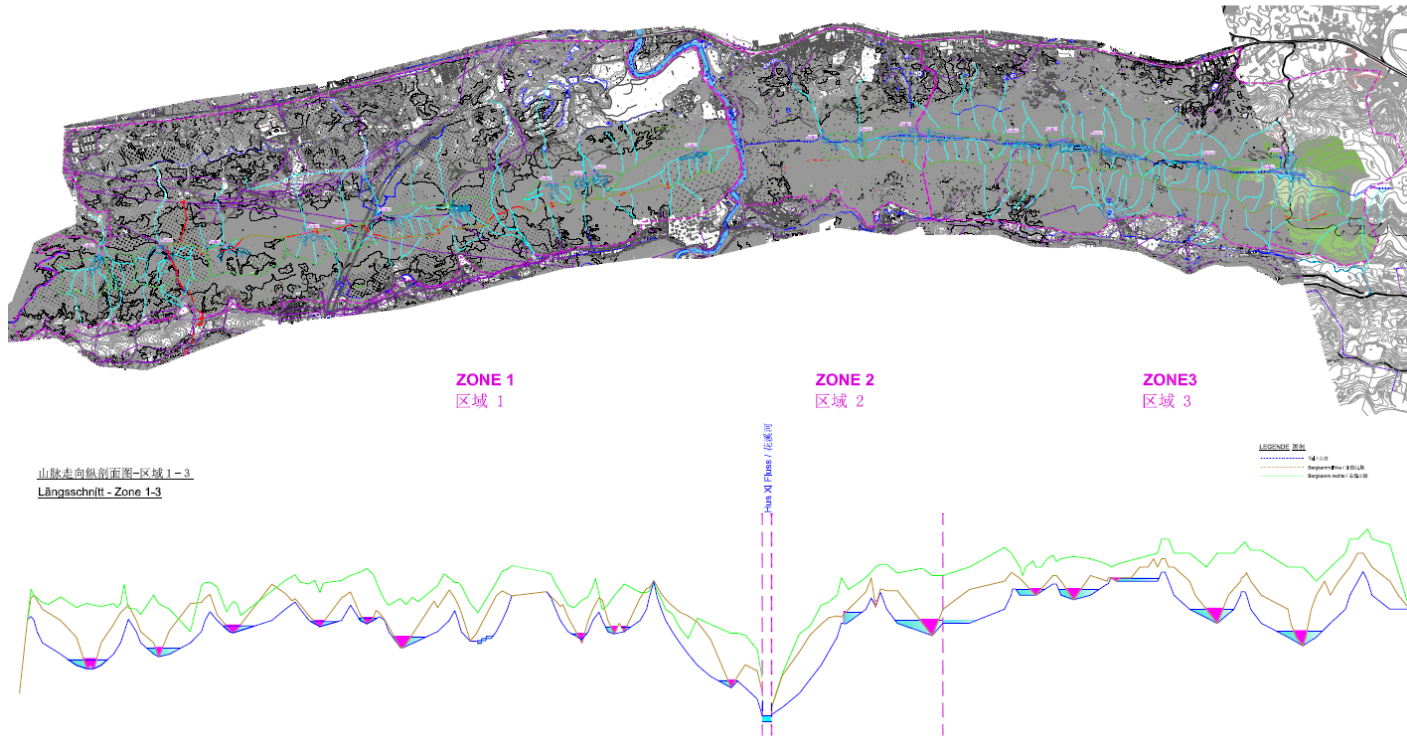
Location: Putian, China  
 Project: Meizhou - Island  
 Area: 157,1 ha  
 Planning: 2010 competition, Masterplan, Watereconomic concept  
 Architect: SOL – Stuttgart, P4 – Berlin, LOCODROM –Berlin

- Stormwater-Management
- Decentralized stormwater storage and reuse
- Lake 32,7 ha
- Industrial water use
- Drinking water substitution

INGENIEURBÜRO  
**KRAFT**

Schmiljanstraße 7  
 12161 Berlin  
 Germany  
 Phone: +49 30 8516616  
 Email: info@ib-kraft.de





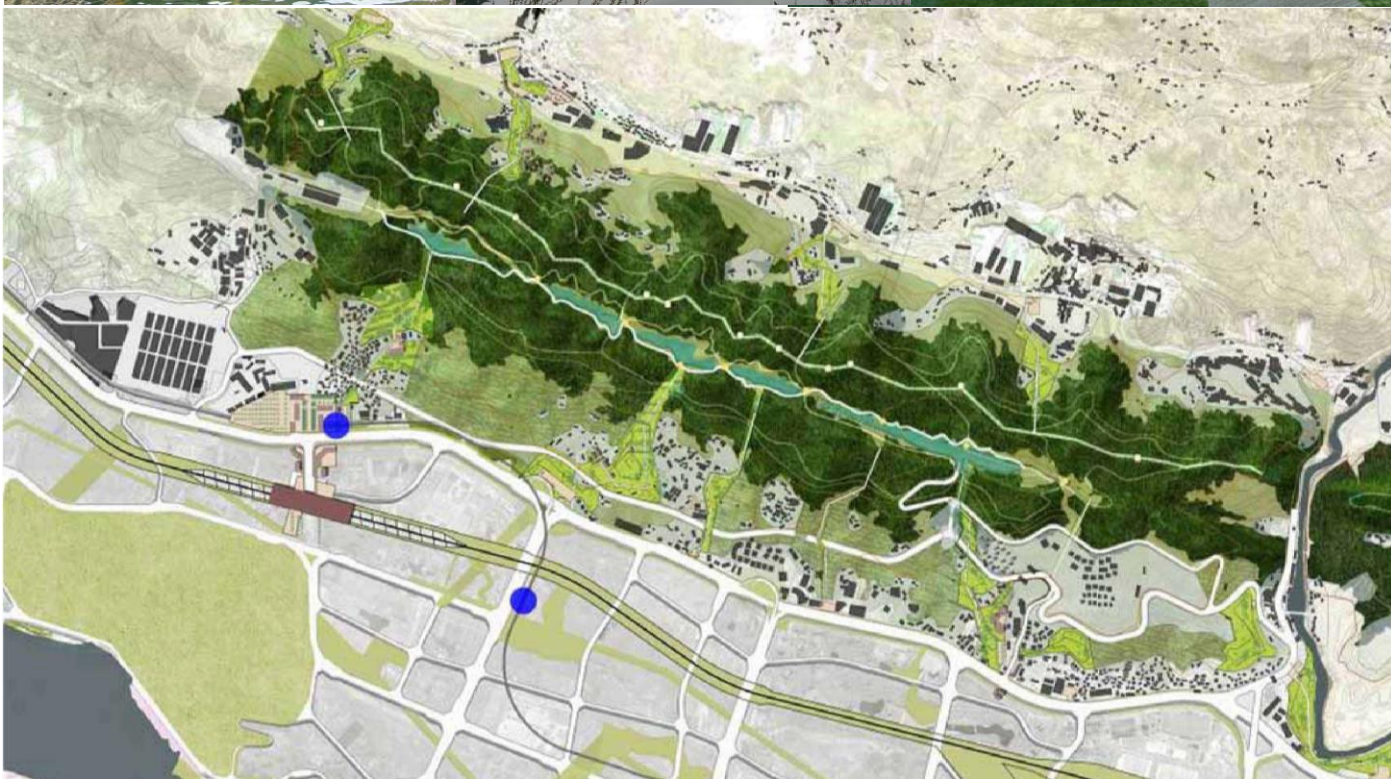
## Chongqing – Tongluoshan Waldpark- China

Location: Yanweishan – Chongqing, China  
 Project: Chongqing-City – Tongluoshan Waldpark  
 Planning: 2011 international competition - 1. prize



Schmiljanstraße 7  
 12161 Berlin  
 Germany  
 Phone: +49 30 8516616  
 Email: info@ib-kraft.de

- Rainwater-Management
- Chain of lakes with six artificial lakes, total area: 1.000 ha
- ca. 40 Water channels, area: 700 ha





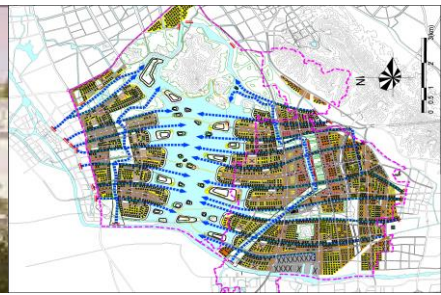
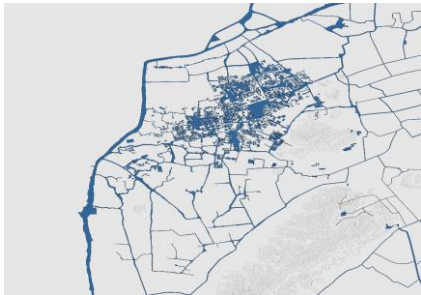
## Hangzhou - Chongxian- China

Location: Hangzhou – Chongxian, China  
Project: New City Chongxian (38 km<sup>2</sup>) and environment (80 km<sup>2</sup>)  
Planning: 2010 Feasibility study



Schmijanstraße 7  
12161 Berlin  
Germany  
Phone: +49 30 8516616  
Email: info@ib-kraft.de

- Rainwater harvesting and reuse
- Artificial lake 1,000 ha
- Water channels 700 ha



鸟瞰图 1





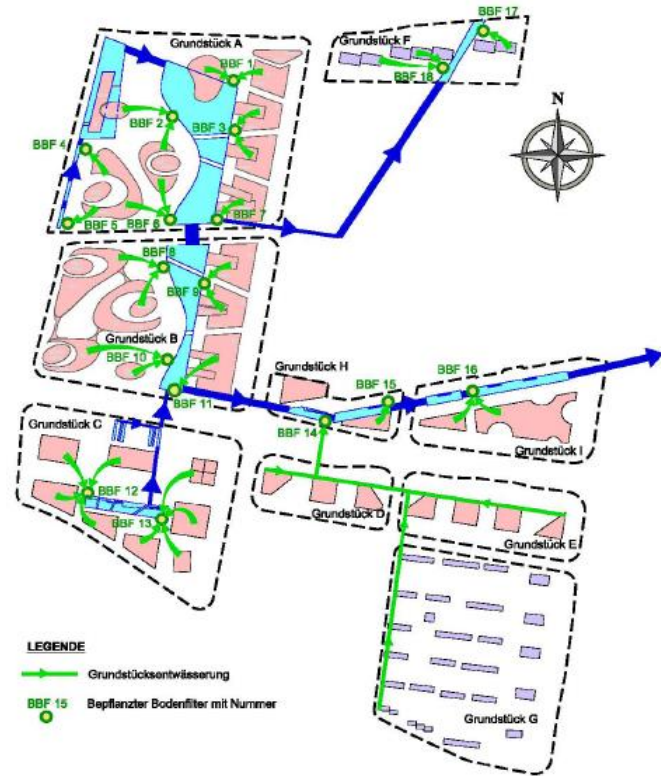
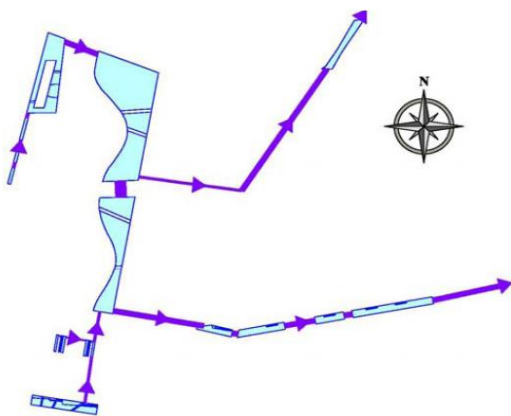
Ningbo – Fenghua - China

Location: Ningbo, China  
 Project: Fenghua  
 Size: 42.35 ha  
 Planning: 2012  
 Architects: SOL-Stuttgart; Slapa Oberholz Pszczulny  
 Architects; A24 landscape architects



Schmiljanstraße 7  
 12161 Berlin  
 Germany  
 Phone: +49 30 8516616  
 Email: info@ib-kraft.de

- Improvement of the existing water system
- Rainwater Management
- Sustainable Water Management





Ningbo; Zhenhai – IT-Park Zhuangshi - China

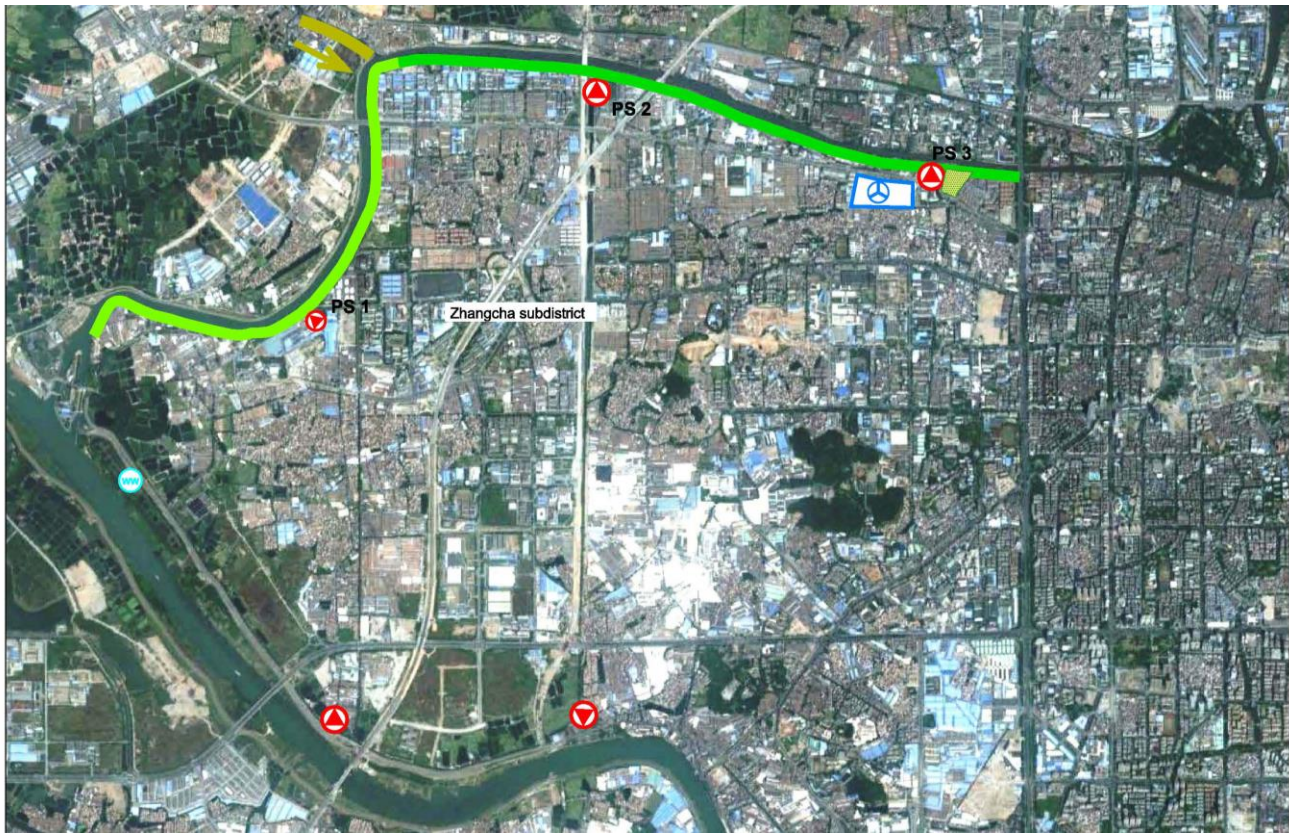
Location: Ningbo-Zhenhai, China  
 Project: IT-Park Zhuangshi  
 Area: 46,6 ha  
 Planing: 2011/ 2012, Competition,  
 Conceptual design 1<sup>st</sup> Construction phase  
 Architect: Alt Space (Hr. Enders) / SOL-Stuttgart



Schmiljanstraße 7  
 12161 Berlin  
 Germany  
 Phone: +49 30 8516616  
 Email: info@ib-kraft.de

- Financial- and Cultural Center
- Rainwater Management
- Storm water lake 16 ha





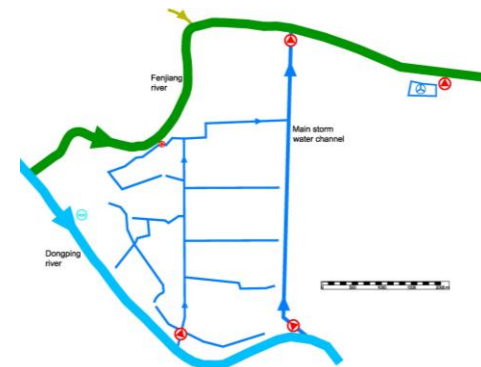
## Foshan – Zhangcha Fashion City - China

Location: Foshan - Zhangcha, China  
 Project: GIZ Foshan, Capacity Building Program  
 with Angela Silbermann, Christian Junge, Ian Lyne  
 Consulting: 2012



Schmiljanstraße 7  
 12161 Berlin  
 Germany  
 Phone: +49 30 8516616  
 Email: info@ib-kraft.de

- Renaturation of the Fenjiang riverbank
- Consulting river water purification (Rootzone treatment plant)





Kunshan "Golden Forest" - China

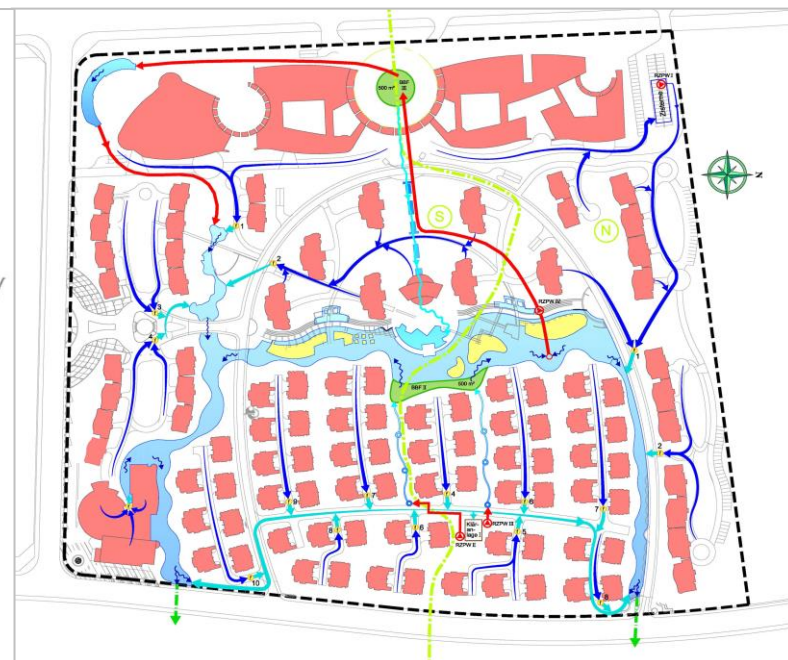
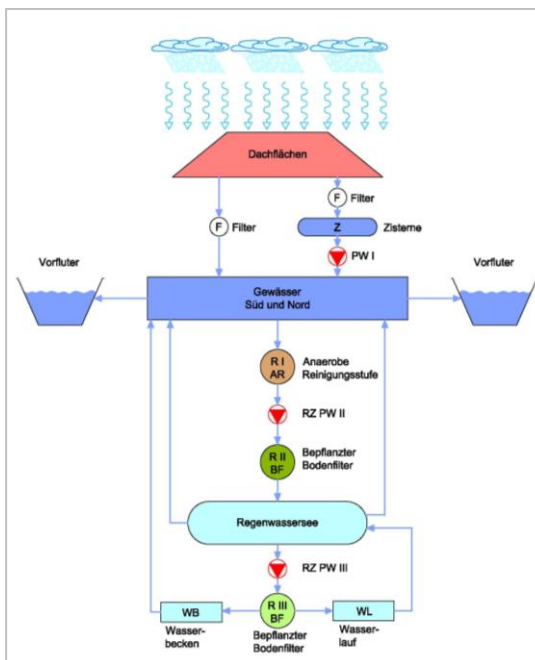
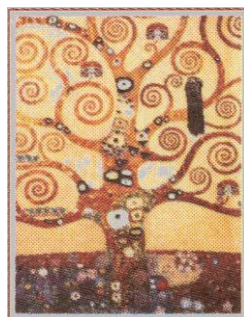
Location: Kunshan – China  
 Project: New housing estate "Golden Forest" (16 ha)  
 Planning: 2005  
 Architects: SOL - Stuttgart



Schmijanstraße 7  
 12161 Berlin  
 Germany  
 Phone: +49 30 8516616  
 Email: info@ib-kraft.de

Rainwater management

- Construction of a rainwater lake 1,2 ha
- Rainwater drainage and flood retention





## Goodbaby - Kunshan- China

Location: Kunshan – China

Project: R&D Center of Goodbaby Group (73 ha)

Planning: 2010 Competition, Masterplan, and Feasibility study

Architects and Engineers: SOL; Kienle-Plan; Schlaich, Bergemann u.P.; IGTech



Schmiljanstraße 7  
12161 Berlin  
Germany  
Phone: +49 30 8516616  
Email: info@ib-kraft.de

- Rainwater harvesting and reuse
- Treatment of runoff: Sedimentation basins, root zone treatment plants: 5.700 m<sup>2</sup>
- Stormwater retention
- Artificial lake 3.9 ha







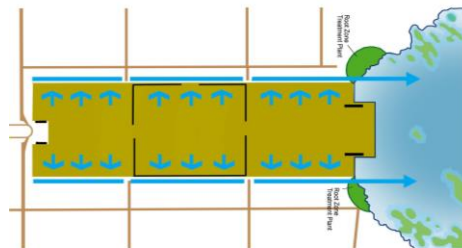
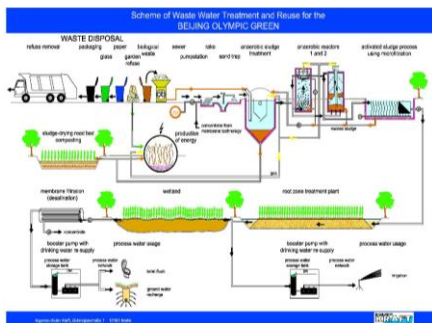
Beijing Olympic Green 2008 - China

Location: Beijing – China  
 Project: Beijing Olympic Green 2008  
 3<sup>rd</sup> price in International competition 2003  
 Architects: HWP, Kienle - Stuttgart

- Rainwater management
- Artificial lake 150 ha
- Ecological sanitation
- Storm water management



Schmiljanstraße 7  
 12161 Berlin  
 Germany  
 Phone: +49 30 8516616  
 Email: info@ib-kraft.de





## Hangzhou "Cultural Village"- China

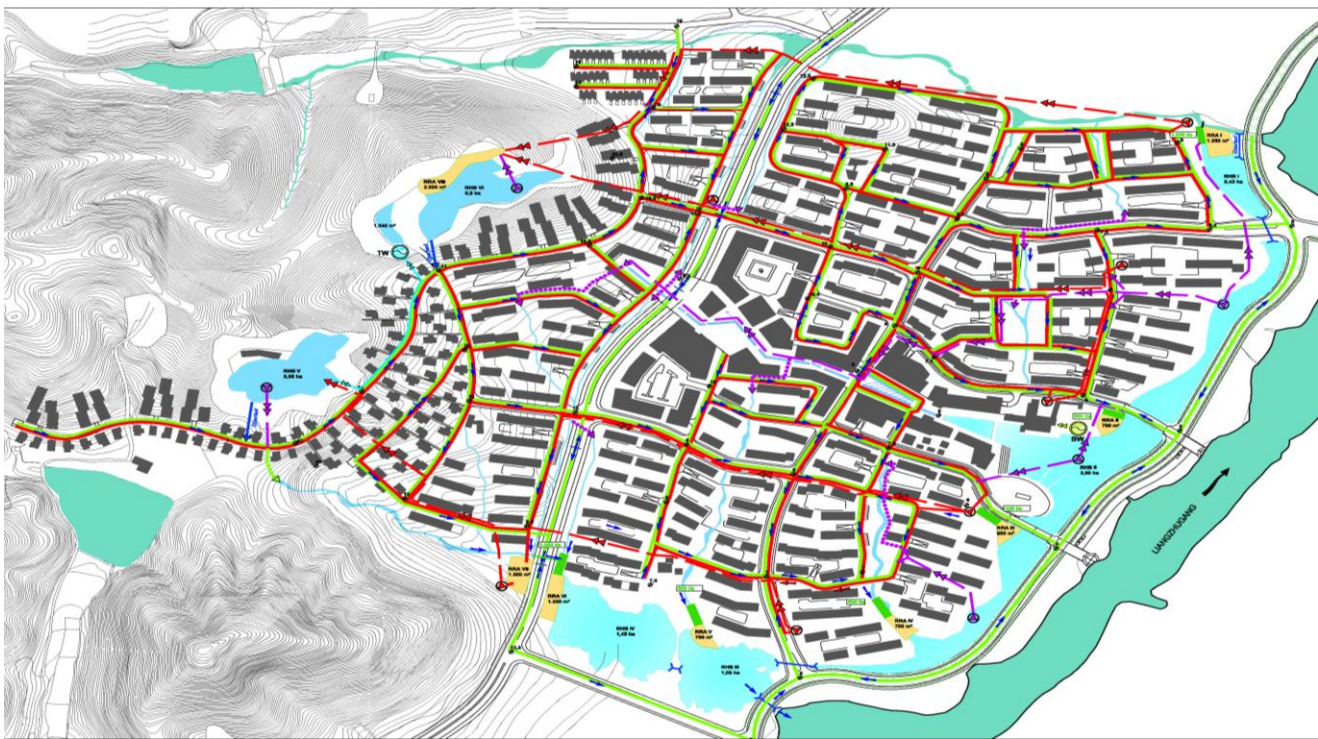
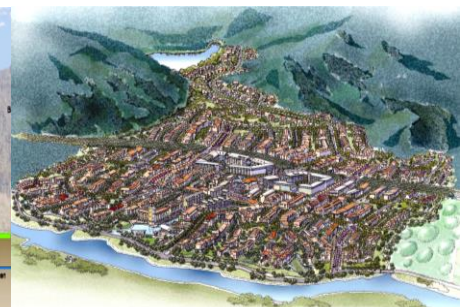
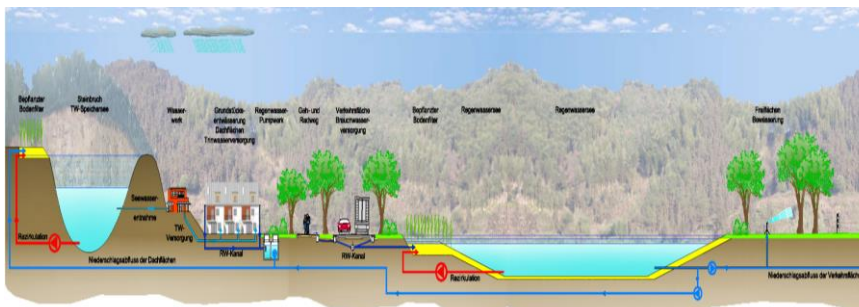
Location: Hangzhou – China  
 Project: Housing estate "Cultural Village" (100 ha)  
 Planning: 2006  
 Architect: SOL – Stuttgart



Schmiljanstraße 7  
 12161 Berlin  
 Germany  
 Phone: +49 30 8516616  
 Email: info@ib-kraft.de

### Rainwater management

- Zero runoff settlement
- Decentralised storm water management
- Rainwater harvesting, treatment and reuse
- Harvesting of street runoff, treatment and reuse in lakes, 6 ha





## Health Resort Feishen – Wuyi – China

Location: Wuyi Hot Springs Resort, China  
 Project: Kurstadt Feishen; Int. Wettbewerb 2014, 1. Platz  
 Dimension: 30,3 ha; Erholungslandschaft mit 5-Sterne Hotel  
 Architect: SOL Stuttgart K.Enders, Landschaftsplanung Atelier Loidl – Berlin



Schmiljanstraße 7  
 12161 Berlin  
 Germany  
 Phone: +49 30 8516616  
 Email: info@ib-kraft.de

### Stormwater Management:

- Rainwater Lake: 23,5 ha
- Treatment Plant: 2 ha
- Treatment and storage of surface water runoff
- Treatment and storage of rooftop runoff
- Reuse for Irrigation demand

