Shenzhen Mangrove City Project
China

IPROconsult

Location of planning area related to the western city country of Shenzhen (River estuary Maozhou)

A new district for Shenzhen, rising from the sea

In the context of an urban planning competition for a new marine city in Shenzhen at the Pearl River Delta, several ideas and concepts were developed aimed at creating a man-made natural environment to be colonized gradually by urban settlements, called Mangrove City. New mangrove forest belts parallel to the Pearl River were planned for an ecological protection of the new urban infrastructure on the landside without harming the existing ecosystems. Over a period of 10 years, i.e. during the afforestation with Mangroves as a natural barrier to floods, the new urban quarters will be stepwise developed, strongly interacting with this new environment.

IPROconsult was asked to support this urban planning competition with its expertise on the complex water management of the newly created island resp. belt structures.

Consulting Services

IPROconsult was charged to develop proposals for sustainable adapted solutions for this urban planning competition, using examples of international benchmarks and focusing on these main topics, within the scope of IWRM (Integrated Water Resource Management): Green and environmentally friendly design (flood control, waterlogging prevention, retention of water resources, prevention of water pollution for ecological sea reclamation at the estuary, prevention of the effects of typhoons and sea level rise).

Status quo and recommendations

The assessment of the status quo, including a comprehensive analysis of the local challenges, options and potentials under IWRM, confirmed the need for adaptive sustainable solutions. International water adapted neighborhoods (like floating or permeable urban districts by sea or river as well as so called sponge cities) as an example for a sustainable utilisation of water resources were presented together with required water design measures. Targeted recommendations could be made.

Client:
ISA Internationales Stadtbauatelier, Beijing (China)

Services provided:
Consulting water management for urban planning competition

Execution period:
08.2018

West 8's three layered housing on the two peninsulas Borneo-Sporenburg of the Amsterdam docks, Netherlands

Shenzhen Mangrove City Project
China

IPROconsult

Home for All Seasons @The Environmental Design Studio (https://www.t-e-d-s.com/resilienthome)

IPROconsult

Diese Seite ist zu löschen!

Kontaktdaten Auftraggeber

ISA Internationales Stadtbauatelier, Beijing (China)

Achtung: Laut Datenschutzverordnung dürfen personenbezogene Daten wie personalisierte Mailadressen oder Durchwahlen nicht ohne Erlaubnis verwendet werden. Sollten diese im Internet auffindbar sein, können sie angegeben werden.

Zur Sicherheit sollten zentrale Mailadressen und Telefonnummern verwendet werden.