

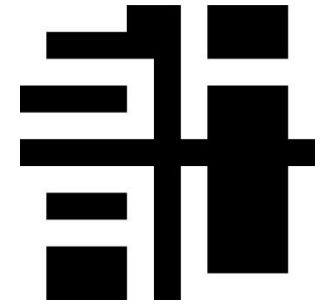
Israeli Planners Association

Tel Aviv
18th November 2018



Suryawinata
Heinzlmann
Architecture
Urbanism





Suryawinata
Heinzelmann
Architecture
Urbanism

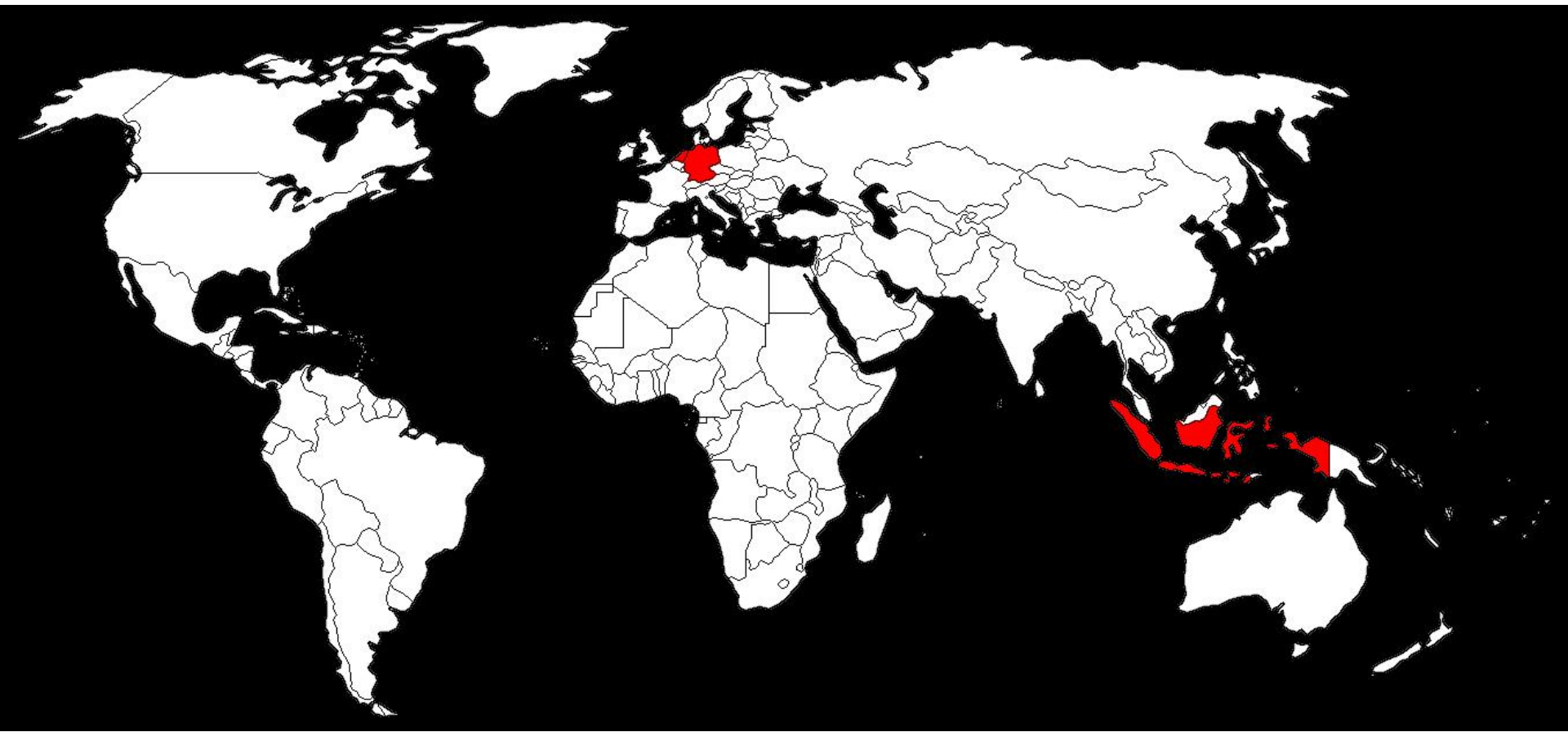
**SHAU's aim:
To design attractive
buildings and cities which
are socially and
environmentally
responsible.**



Image source: Colorado School of Mines



SHAU – Locations



SHAU DE: Tobias Hofmann (**Studio Hofmann Architektur & Umgebung**)

SHAU NL & ID: Daliana Suryawinata & Florian Heinzelmann (**Suryawinata Heinzelmann Architecture & Urbanism**)



About SHAU: Partners and backgrounds



Dr Florian Heinzelmann Dipl Ing M Arch
Dutch certification (SBA)



Daliana Suryawinata ST M Arch
Indonesian certification (IAI)



Tobias Hofmann Dipl Ing
German certification (byak)



PT. HAN AWAL
& PARTNERS
ARCHITECTS

 **Jürgen Engel Architekten**



berlage institute

peter haimerl . architektur

MVRDV



UNStudio
AMSTERDAM / SHANGHAI / HONG KONG



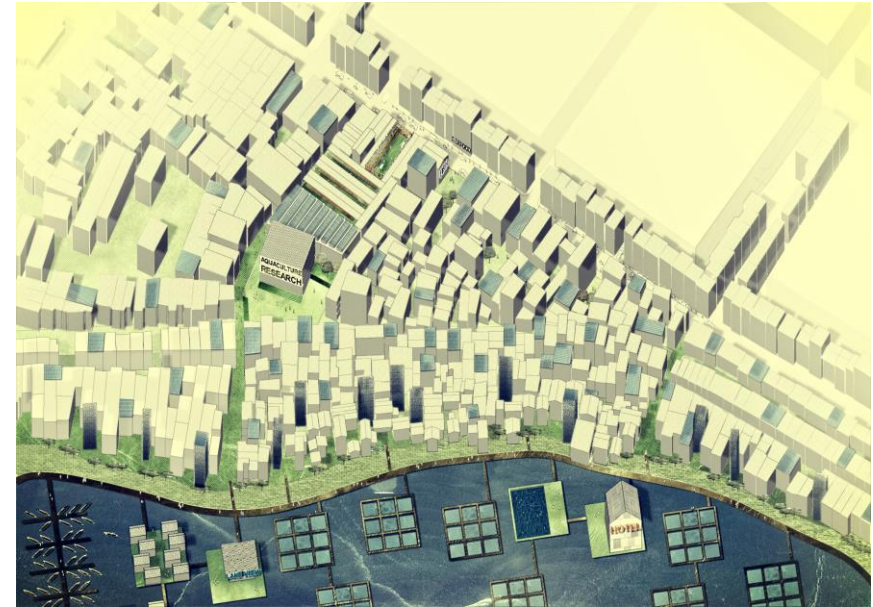
TU/e



Meeting Jokowi 2012



Superkampung, Jakarta



Ms. Daliana Suryawinata: Superkampung Jakarta 2045 at The International Conference on Futurology



News > Megapolitan

10 Konsep Jokowi untuk Menata 350 Kampung

Penulis : Kurnia Sari Aziza | Kamis, 22 November 2012 | 22:40 WIB



Gubernur DKI Jakarta Joko Widodo menunjukkan kumpulan desain penataan kampung yang rencananya akan dimulai tahun depan. | Kurnia Sari Aziza



Microlibraries, Bandung



credit: SHAU



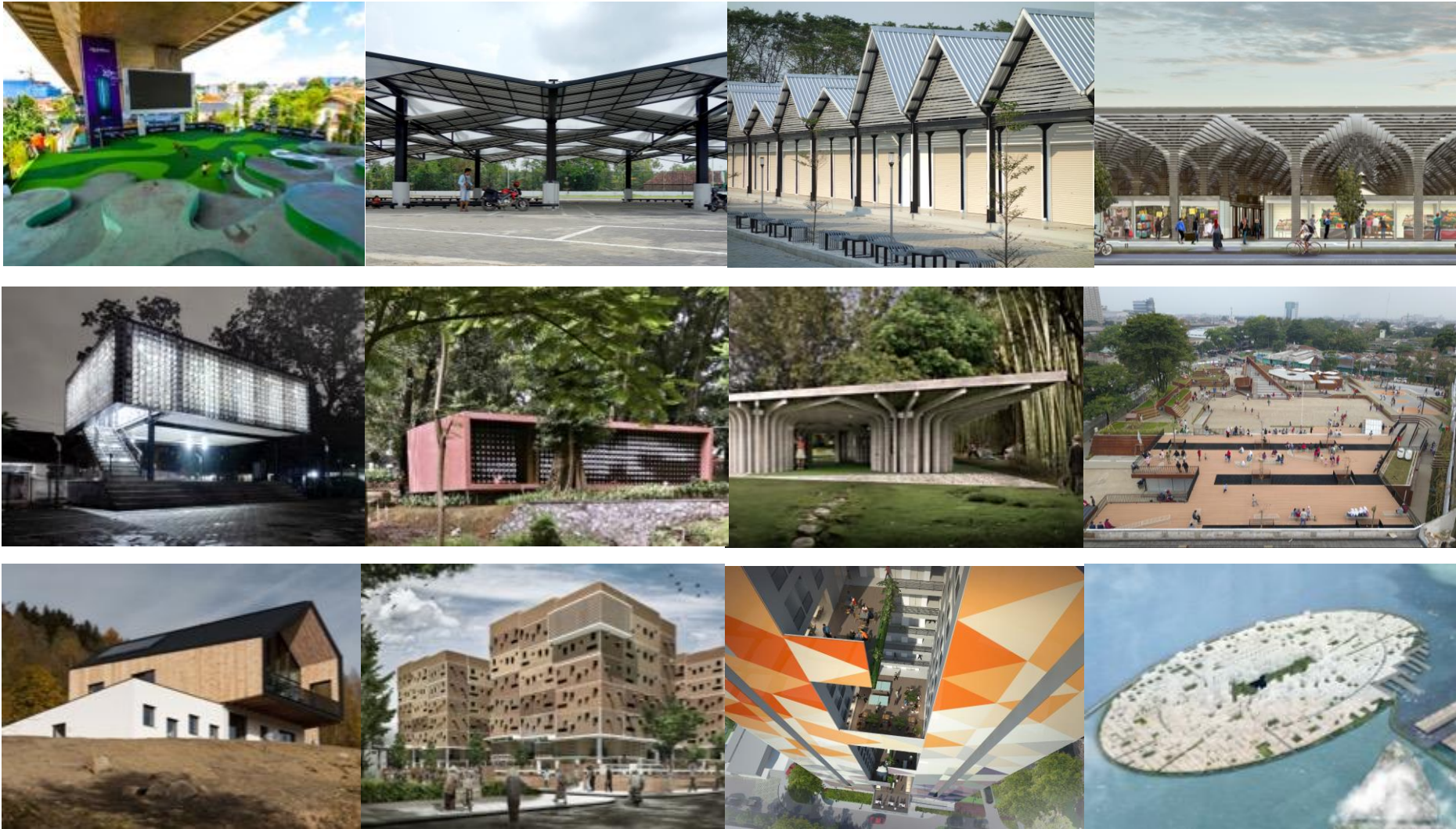
Alun Alun Cicendo, Bandung



credit: SHAU, photo: mulkisalman



About SHAU: Range of projects



Jakarta Jaya: the Green Manhattan

KOMPAS.com NEWS EKONOMI BOLA TEKNO SAINS ENTERTAINMENT OTOMOTIF LIFESTYLE PROPERTI TRAVEL EDUKASI KOLOM IMAGES

"Jakarta Jaya" Konsep Reklamasi Terbaik WAFX Prize 2017

DANI PRABOWO

Kompas.com · 03/11/2017, 22:51 WIB



Masterplan Jakarta Jaya: The Green Manhattan karya SHAU Architects yang memenangkan WAFX Prize 2017. (SHAU Architects)

JAKARTA, KompasProperti - Sebuah rancangan induk atau masterplan kota cerdas bertajuk "Jakarta Jaya: The Green Manhattan" memenangi ajang WAFX Prize 2017.

Masterplan yang dirancang tim arsitek SHAU yang berbasis di Indonesia, Jerman, dan Belanda tersebut, menawarkan konsep kota hijau terintegrasi.

WAFX Prize merupakan penghargaan atas karya arsitektur dunia proyek masa depan berbasis tantangan yang dihadapi sebuah wilayah

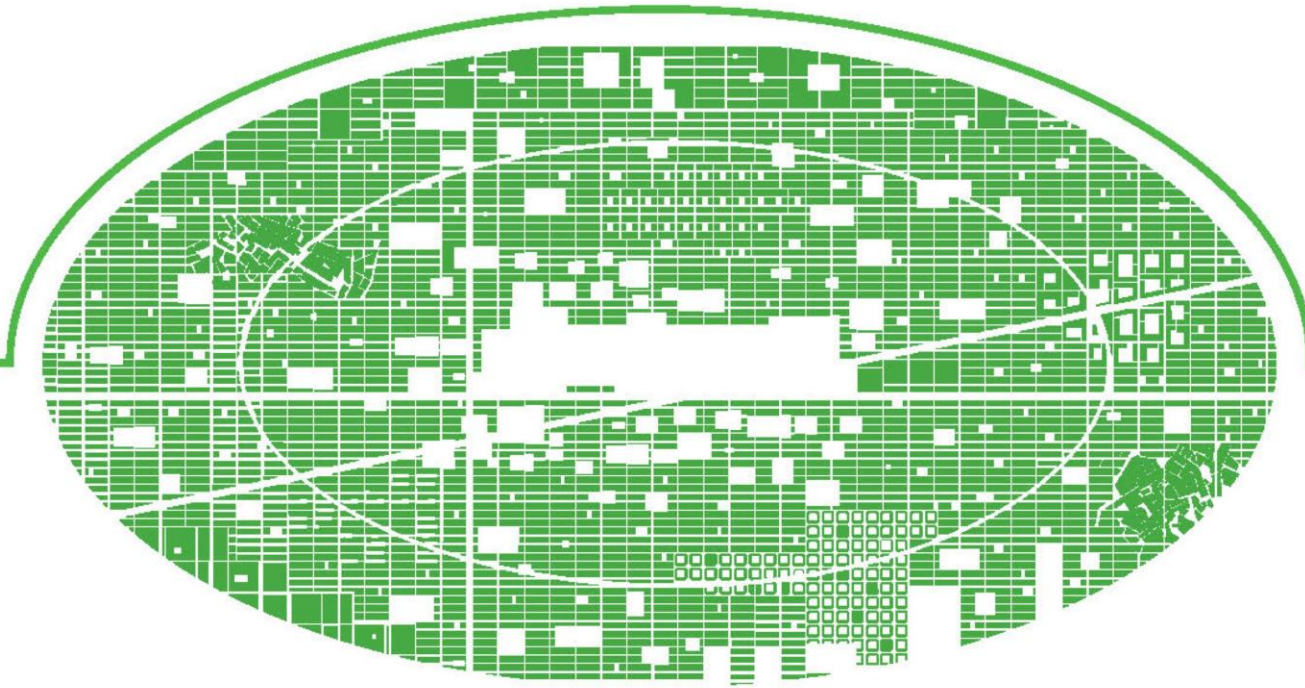


At the WAFX Award Berlin 2017
(Left to right: Florian, Daliana & Jesse Kuijper)



AERIAL VIEW





Jakarta Jaya: the Green Manhattan

An integrated city for everyone – instead of another reclamation – to position Indonesia in the top 5 global economies in 2030



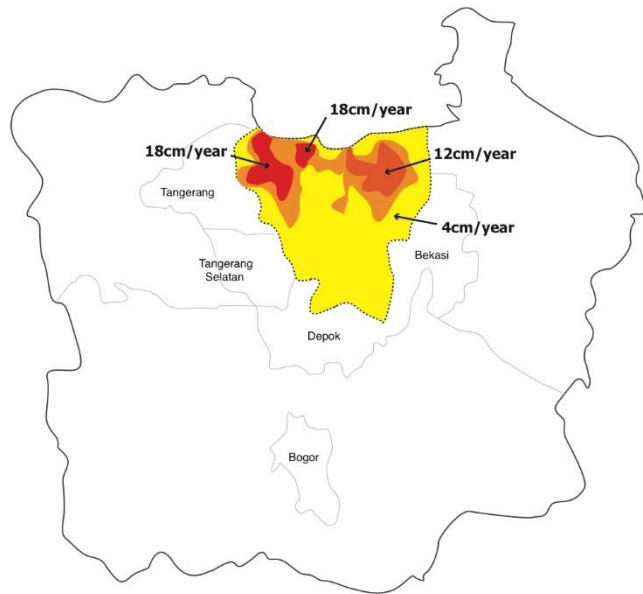
THE RECLAMATION THAT ACCOMPANIES THE GIANT SEA WALL (NCICD)

Land subsidence causes flooding of Jakarta. The Giant Sea Wall offers protection to the city.

In order to finance the seawall, land reclamation and new property is envisioned.

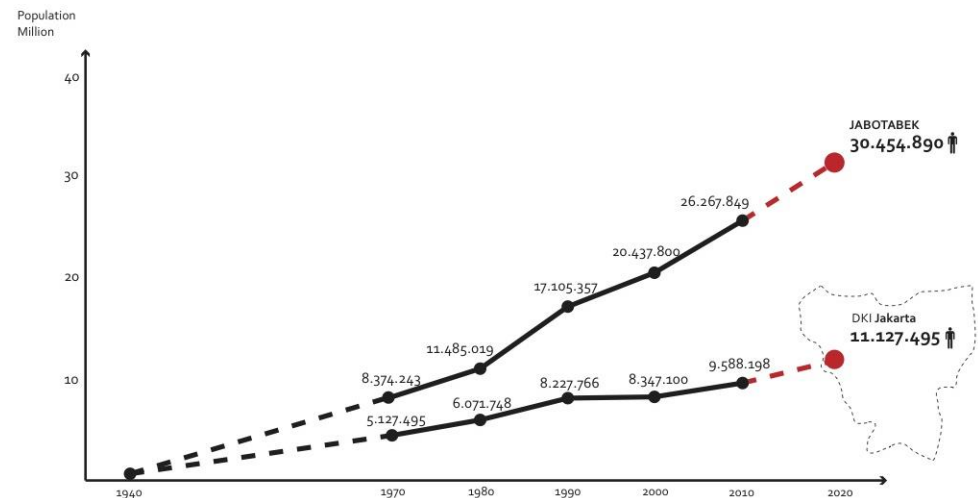
At the same time it would offer valuable new space needed for Jakarta's rapid urbanization.

Jakarta is sinking up to 18cm/year



Source: Jakarta Flood Team Indonesia-Netherlands 2012

In 2030, the consuming population will reach 135 million



Source: McKinsey 2012



AERIAL VIEW



JAKARTA JAYA'S AMBITION

To design the most livable, integrated, green, socially inclusive city



1.9mil
inhabitants



1:10
Public white solar cars
per 10 inhabitants



20%
Percentage of people
using boats to commute



50%
Percentage of green
open space



90%
Commute by
public transport



1:1
People to bike
ratio

M200m
Max distance of finding a
public transportation stop



50%
Percentage of food being
produced within TGM




150%
Of green energy produced



150%
Percentage of garbage
being recycled



80%
Amount of water gained
from rain water



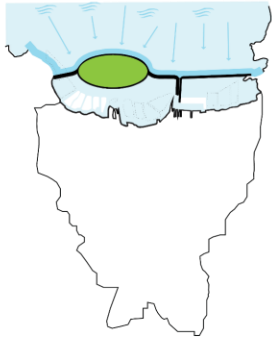
0
Amount of annual
CO2 emissions



JAKARTA JAYA'S AIMS

To design the most livable, integrated, green, socially inclusive city

No more sea flooding



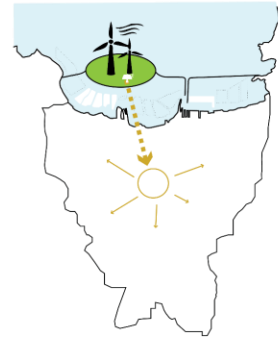
A better connected Jakarta



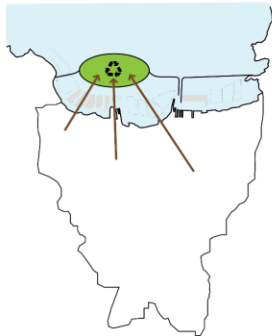
Integrated water system



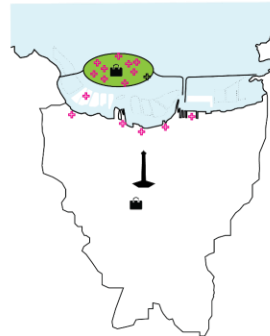
Green energy production



Less trash



New tourism for Jakarta

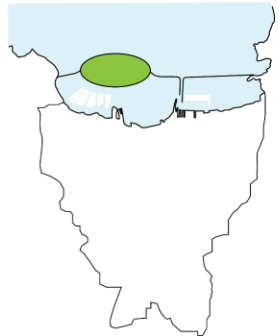


+ - New/ improved tourist destinations

A catalyst for Jakarta development



New Icon for Indonesia



THE MOST INTERESTING CITY GRIDS

The best city should have the grids which can accommodate the highest diversity of lifestyles.

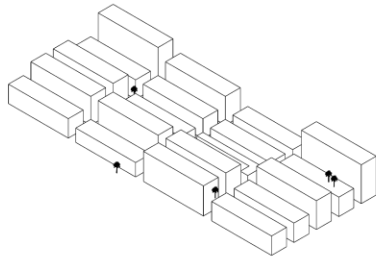
GLOBAL MODEL FOR LIVING GREEN

NEW YORK

Best urban grid of the world for living small, closer and driving less (Owen 2009).
The grid is so general that it allows maximum freedom and diversity (Koolhaas 1978).

60 x 160/240m block

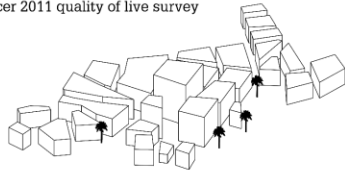
70% of The Green Manhattan is based on the New York grid.



BEST CITY OF THE WORLD

VIENNA

First place in the Mercer 2011 quality of live survey



MOST PEDESTRIAN FRIENDLY CITY

COPENHAGEN - STROGUT

Mercer 2011 top 10 best cities of the world
Famous for the car free central district called Strogut

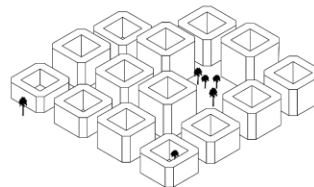


BEST OF EUROPE

BARCELONA

Successful Cerda grid, Famous for its angled corners.
Dense block with courtyard.

115 x 115 m block

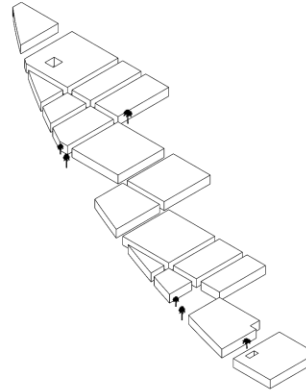


BEST OF AMERICAN CITIES

LOS ANGELES

famous for its low rise housing blocks,
but in this case with improved accessibility (less driving)

300 x 300m block

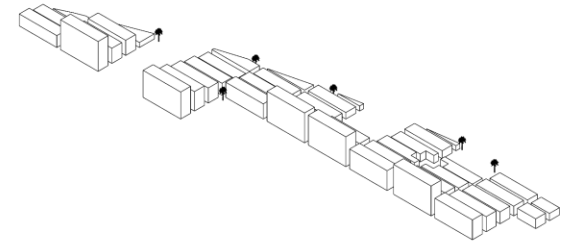


BEST OF BEACH CITIES

IPANEMA, RIO DE JANERO

Famous for its high density in combination with
layers of infrastructure and people and mostly, the beautiful
beach.

70 x 300m block

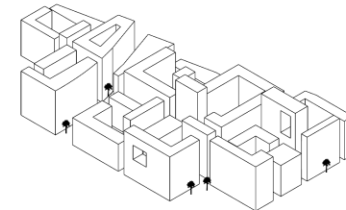


BEST OF VALUE DIVERSITY

SHENZHEN AND SHANGHAI

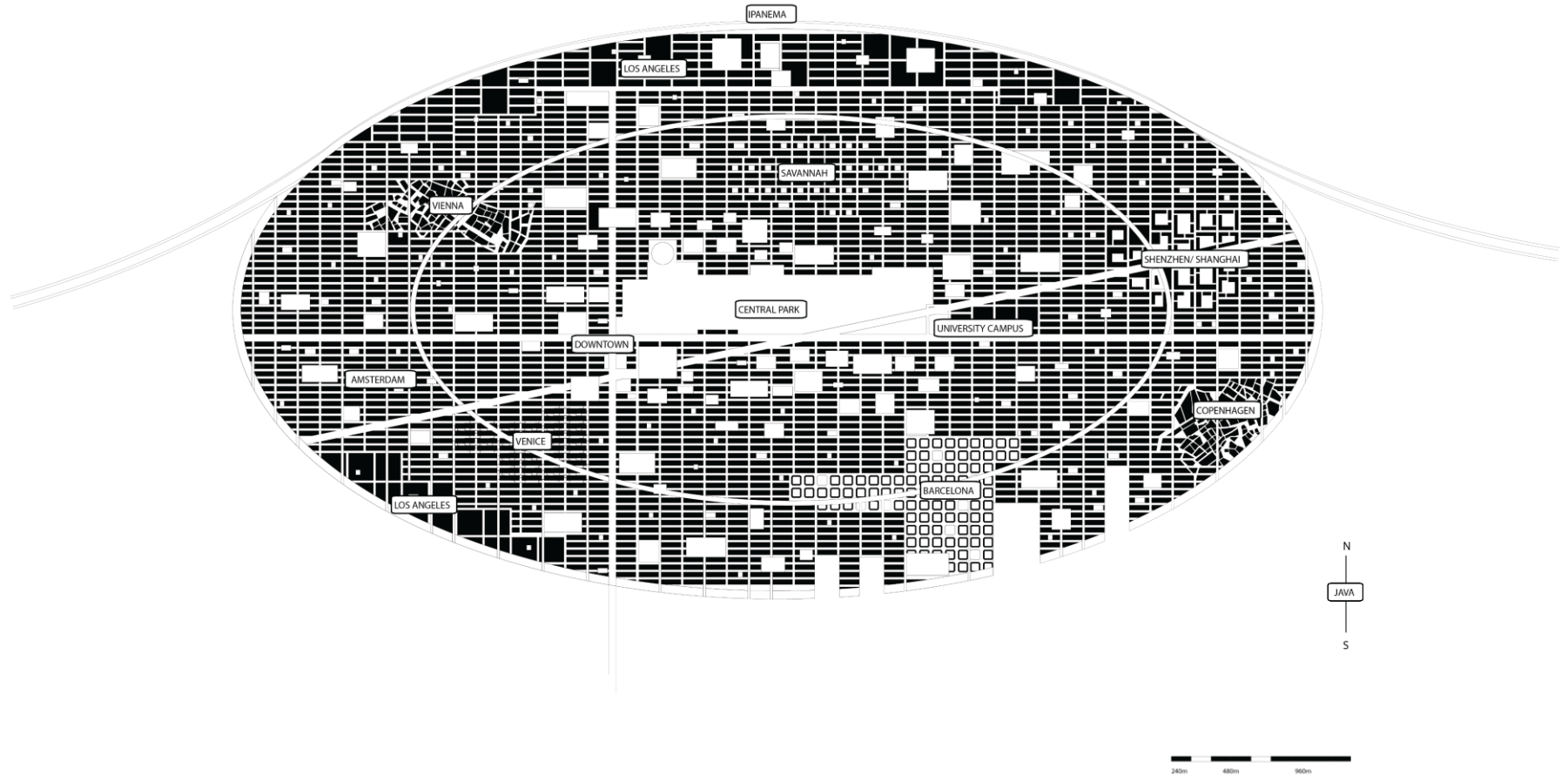
Famous for its mixture of high and low rises.
Large grid which allows diverse land values and therefore can ac-
commodate differences.

300 x 300m block



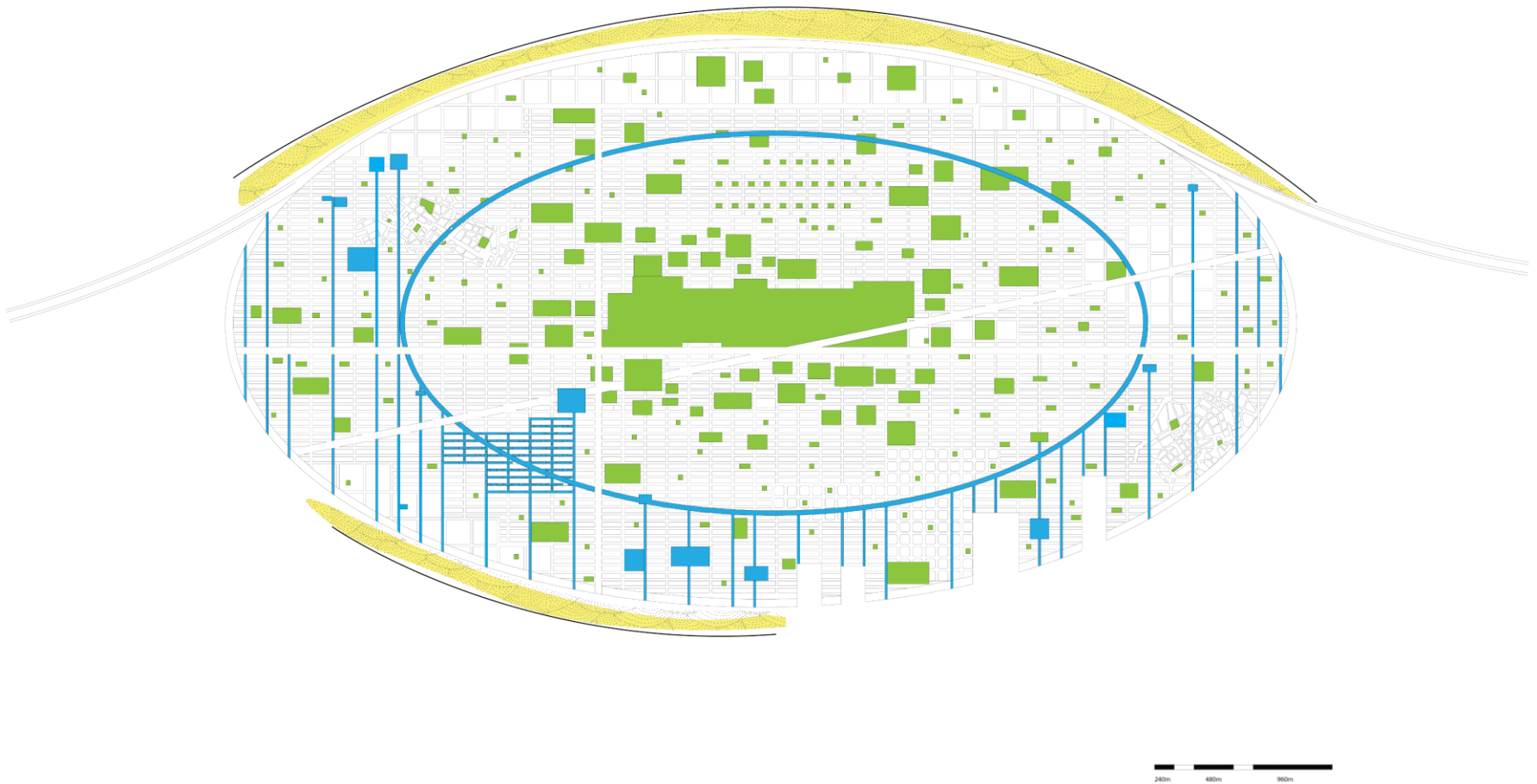
BLOCKS

We integrated various grids within a 58 km² oval making space for about 1.9 Million citizens. The oval after the circle has the least circumference resulting in reduced length of coastline.



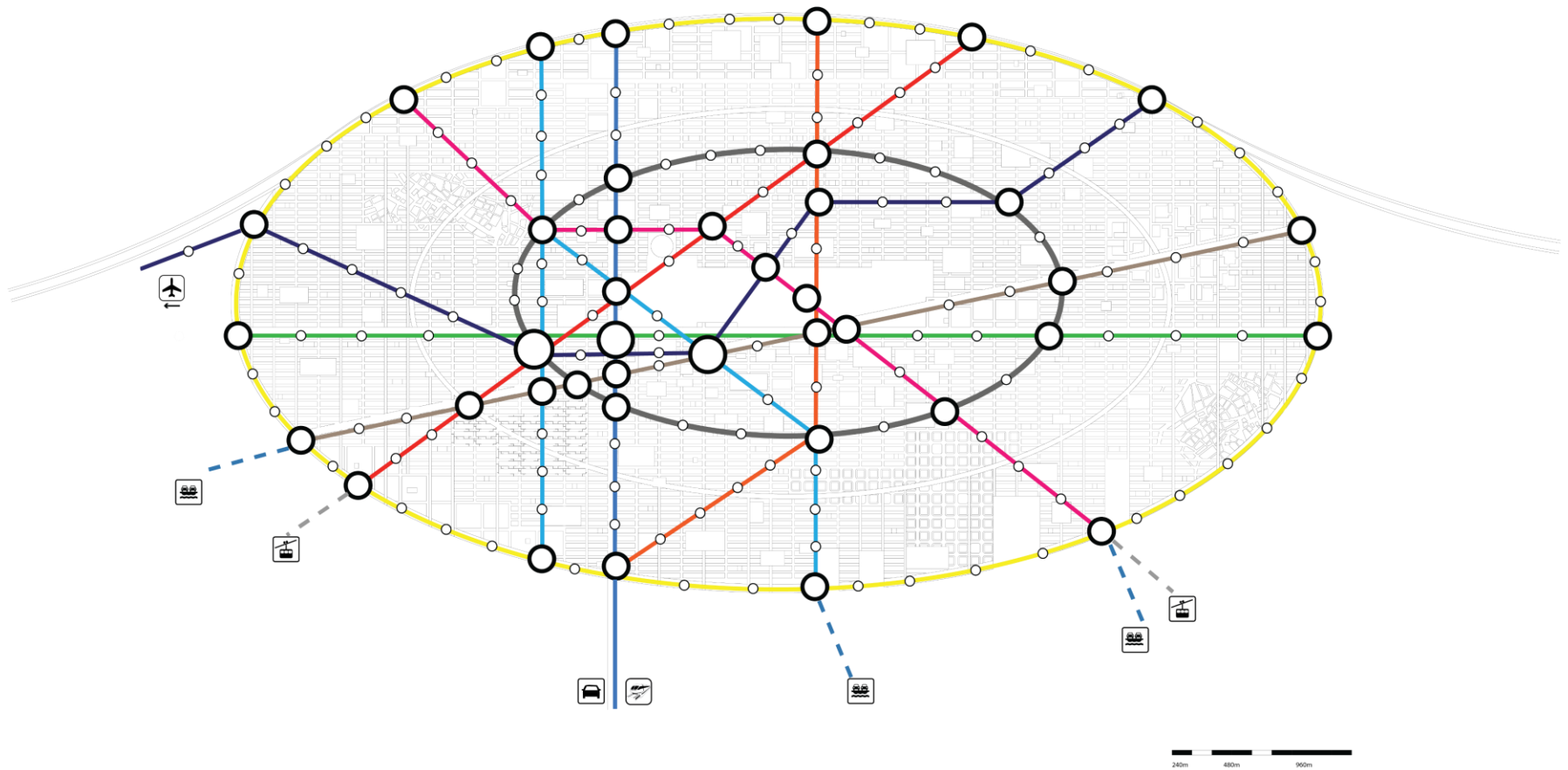
BLUE & GREEN

Multiple sizes and types of parks, lakes and canals for public access.



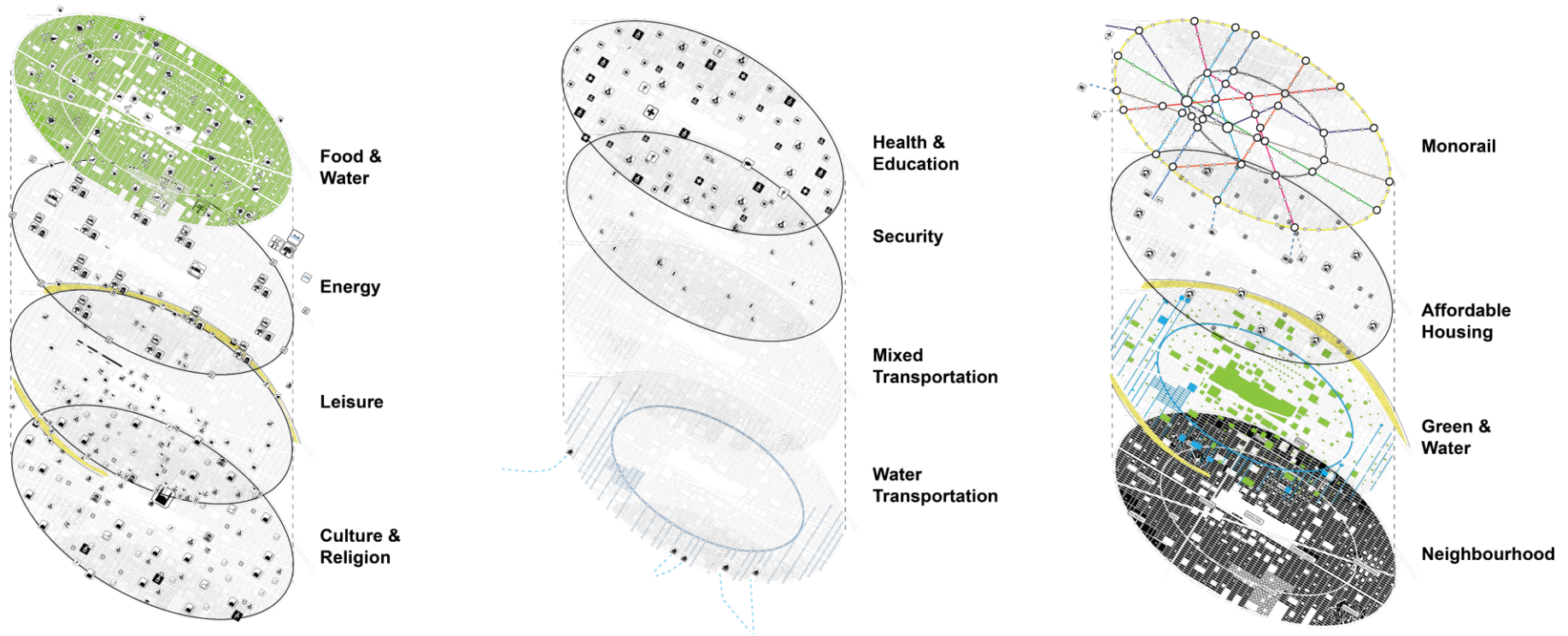
PUBLIC TRANSPORT

Multimodal public transportation network with limited car access in the inner ring.



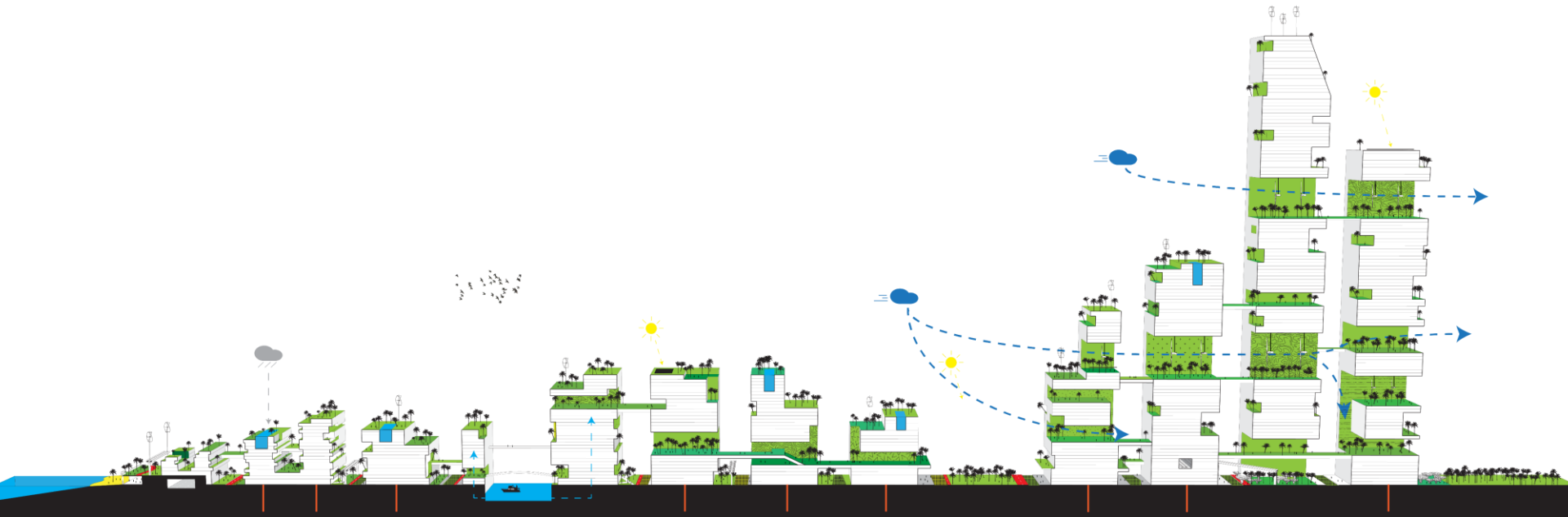
LAYERING

City functions layered according to requirements per capita.



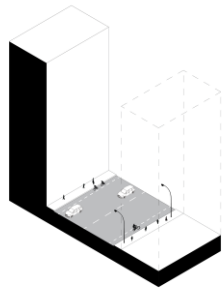
CITY SECTION

The building height rises from the waterfront towards the center. Permeable building typologies are favored. Thus, enabling airflow through the whole city. Ample open spaces, green roofs and waterways contribute to water management, reducing heat island effects and energy consumption used for air conditioning.

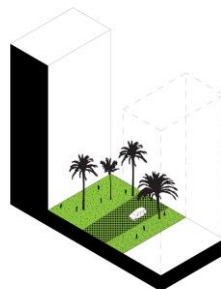


CITY PROFILES

Street sections which provide multiple pedestrian experience and functionality.



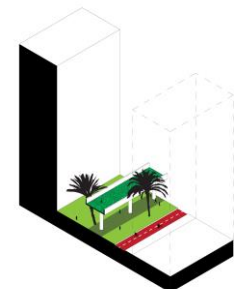
car + sidewalk



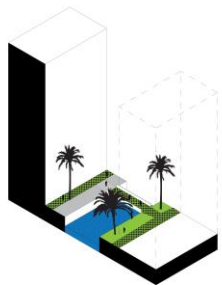
car/ sidewalk



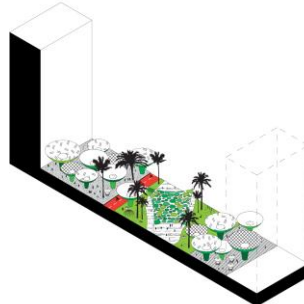
car, elevated walkway,
sidewalk



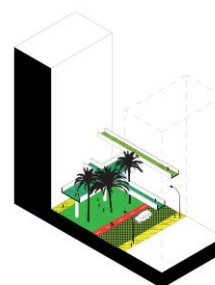
elevated walkway,
sidewalk, bikepath



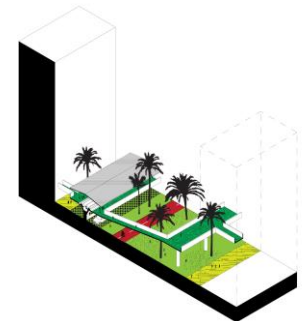
waterway + sidewalk



boulevard + bikepath



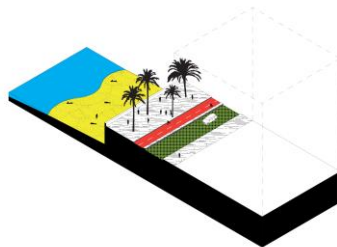
car/ sidewalk,
elevated walkway, bikepath



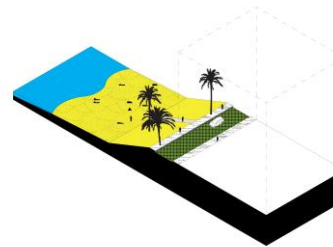
car/ sidewalk, LRT station,
elevated walkway, bikepath



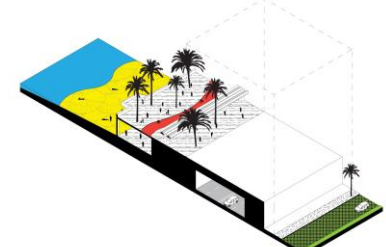
beach



beach, promenade,
car/ sidewalk, bike path



beach, car/ sidewalk



beach, promenade,
fast car lane, bike path



FISHERMEN QUARTERS



BUSINESS DISTRICT & CENTRAL PARK



INTEGRATION OF AFFORDABLE HOUSING



PUBLIC TRANSPORTATION HUBS



WATERWAYS IN THE CITY



NEIGHBORHOODS WITH SHOPS



TOURISM & RECREATION



NEW NATURAL RESERVES





Thank you

SHAU

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