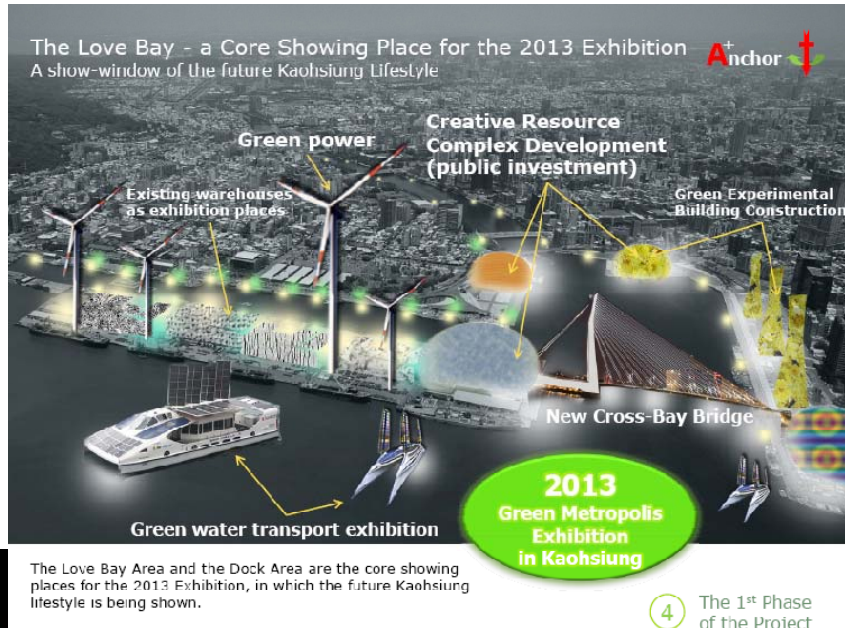


Innovative Infrastructure for Competitive Urban Region- Case of “Idea for Kaohsiung Project”, Taiwan



Idea for Action Kaohsiung
高雄行動創意國際徵選 International Competition

INTA
www.inta-singapore.com

Charles Lin

Associate Professor, Department of Humanities and Social Science, Graduate
Institute of Architecture, National Chiao Tung University, Taiwan
Co-Director, Eco-City Centre for Smart Living Technology, NCTU, Taiwan

Outline

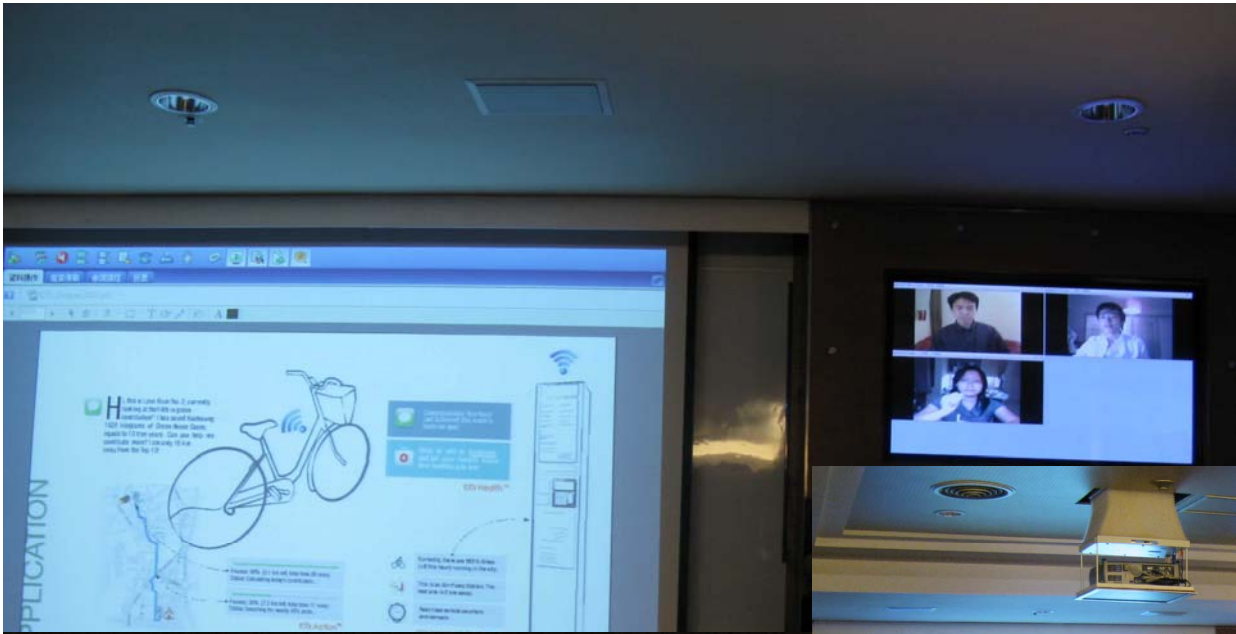
1. Ideas for Kaohsiung Project
2. Selections of Best Ideas
3. Conclusions

Ideas fro Kaohsiung 2009

City of Originality, Kaohsiung Boundless-Global Creativity
Competition for Young Planners

1. To face urban development with active and creative attitudes under globalization and limited resources.
2. The significance of this event “Creativity Competition for Young Planners,” co-organized with INTA is emphasized:
 - More unexpected possibilities can be found from young planners.
 - Young planners will be encouraged to engage in social movement.
 - Refreshment, vigor, and creativity are hoped to be injected into the city.





Idea for Action Kaohsiung

高雄行動創意國際徵選 International Competition



The Love Bay - a Core Showing Place for the 2013 Exhibition
A show-window of the future Kaohsiung Lifestyle

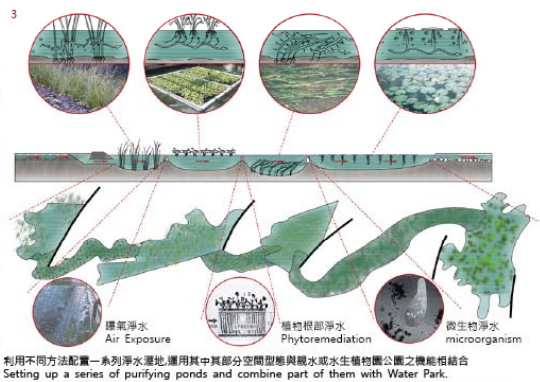


The Love Bay Area and the Dock Area are the core showing places for the 2013 Exhibition, in which the future Kaohsiung lifestyle is being shown.

4 The 1st Phase of the Project



Enhancing KMRT Ridership



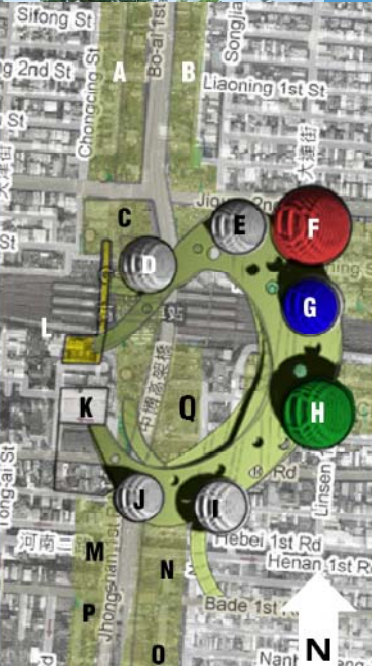
FUNCTIONS

'Breathing Edge' for Migrant Workers

BLOCK PLAN

'Counseling' 'Vocational Training' 'Religious' 'Immigration' 'temporary living' 'Financial Services'

Scale: []



Migrant workers' breathing edge

Idea for Action Kaohsiung

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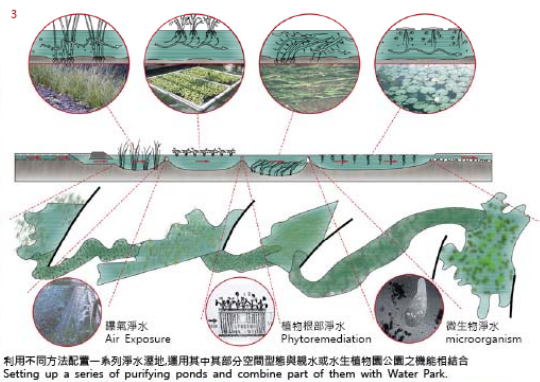


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Scale: [redacted]



Migrant workers' breathing edge



Natural Gas II
New Technology

EAST

Eco Air Scooter Taiwan

Value to Scooter Riders
Value to Businesses
Value to Kaohsiung



Clear the Air for a New Idea

Idea
for Action Kaohsiung

高雄行動創意國際徵選 International Competition





Natural Gas II
New Technology

EAST

Eco Air Scooter Taiwan

Value to Scooter Riders
Value to Businesses
Value to Kaohsiung



2009 Idea for Action of Kaohsiung

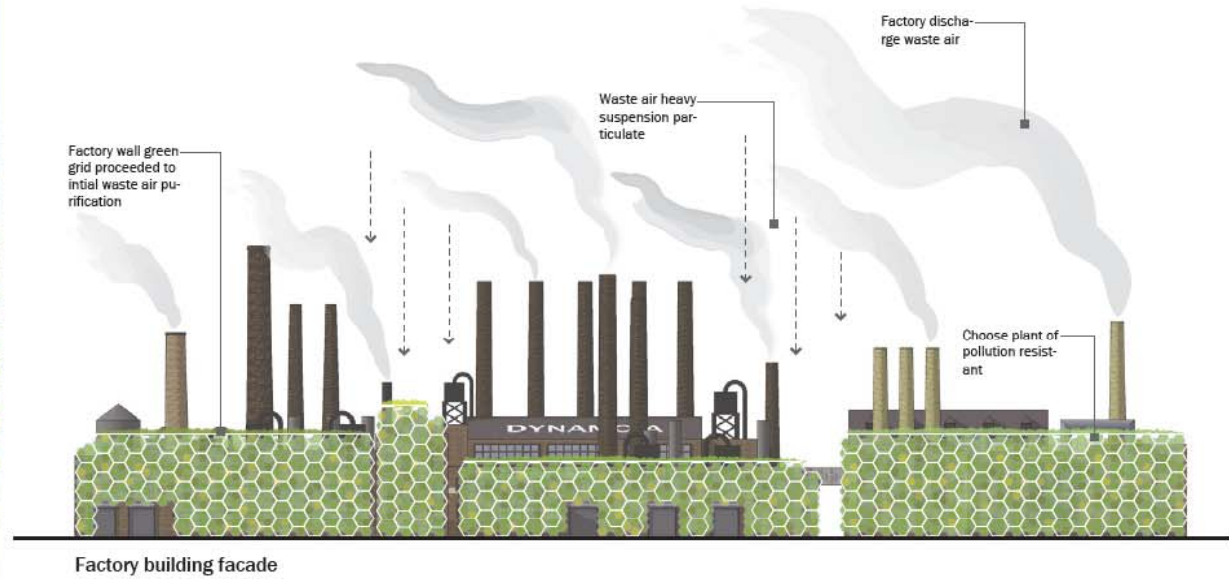
2nd Stage

ECO-CITY IS NOT A DREAM



ACTIVATED CARBON OF CITY

DISTRICT PLAN



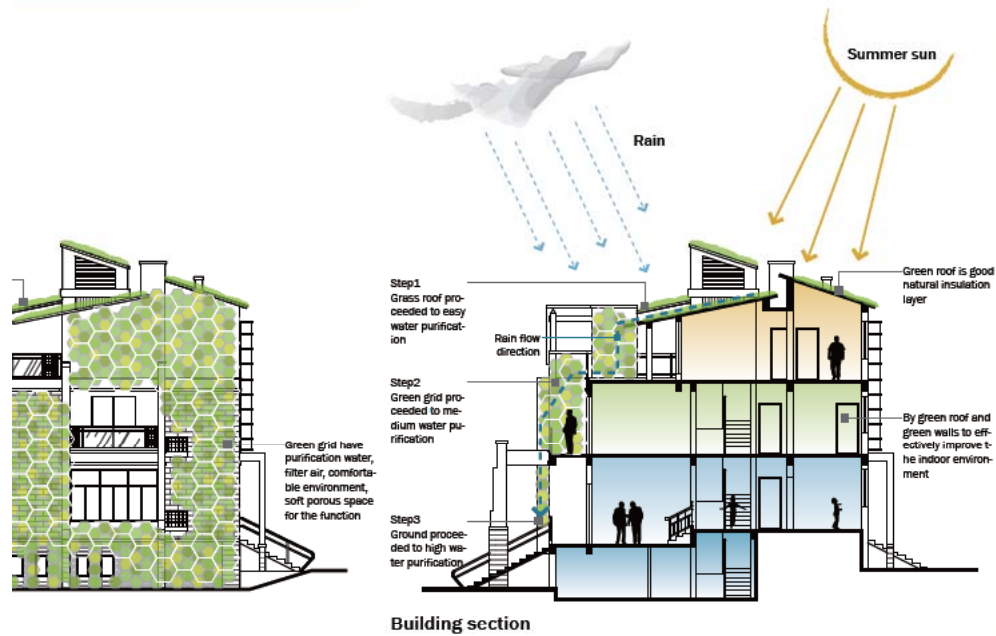
Large porosity filter image

Large porosity area

This large porosity area is mainly distributed in the Kaohsiung areas seriously polluted waterfront industrial zone, port areas, such as oil refinery in Kaohsiung area. This planning principle in this area is to activate the external walls and roof of the factory settings with a carbon green network, and a selection of plants resistant to heavy pollution. The main purpose is to intercept heavy industrial emissions and emissions of suspended particulate, the first stage large-scale sorption and filtration, to reduce industrial pollution caused by emissions.



TRICT PLAN



City filter image



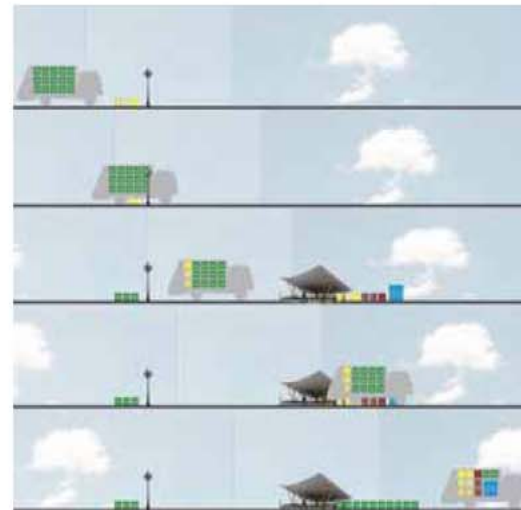
Micro porosity area

Micro porosity mainly located in the old downtown area, this principle of regional planning will be the roof, balcony, wall greening comprehensive treatment, by this environment to improve their indoor temperature, reduce home air-conditioning usage, and can filter and purify the air and rain, to improve the comfort of the surrounding environment, and improve the overall quality of living in old urban areas, and create a forward-looking eco city.



Kaohsiung Garbage Truck : New Dynamic Eco-patch

The approaching of early stage

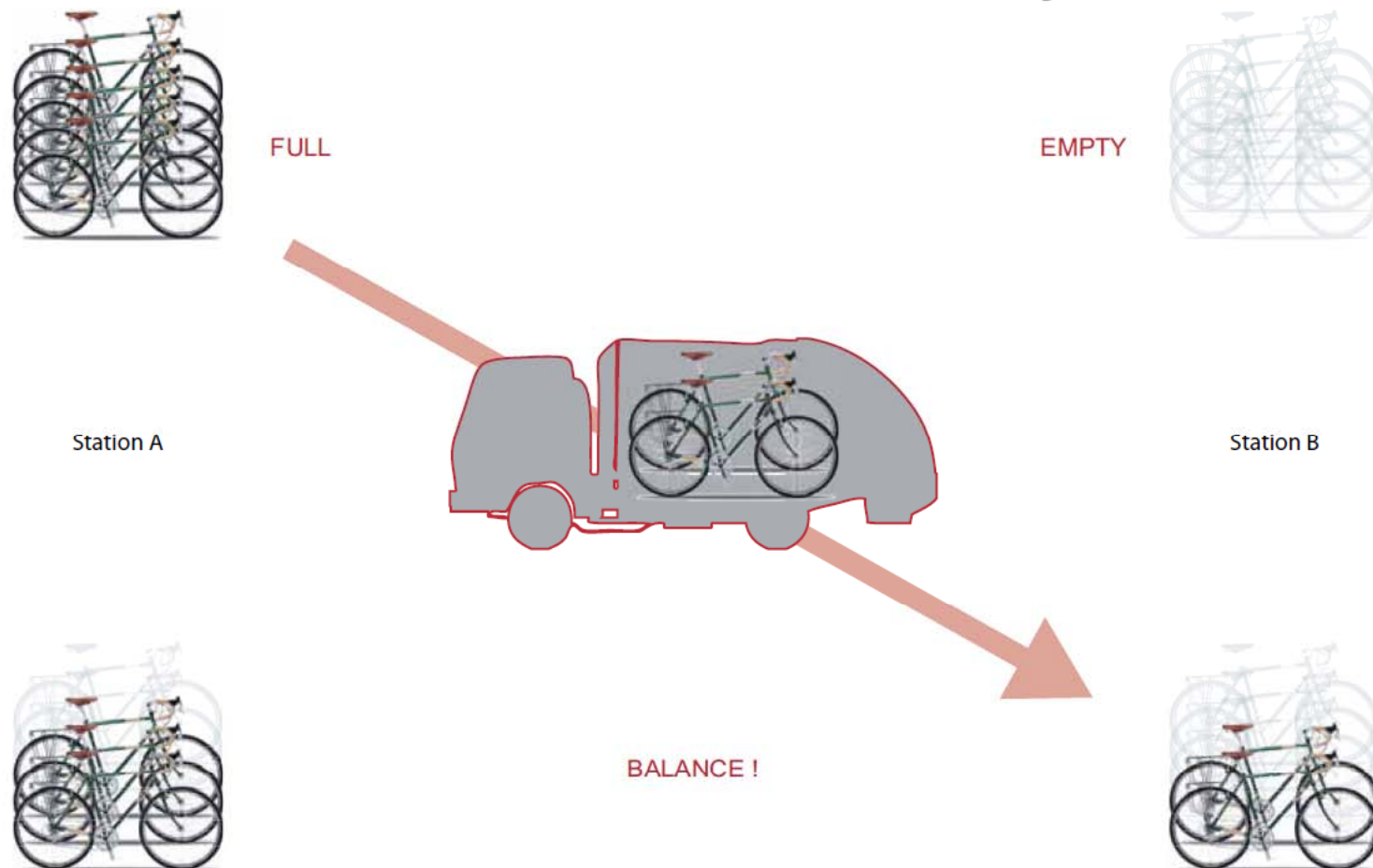


Balancing the quantity of hiring stations

Dynamic

mobile

City bikes circulation





A⁺Anchor ↓

高雄

Sailing to the World

台灣

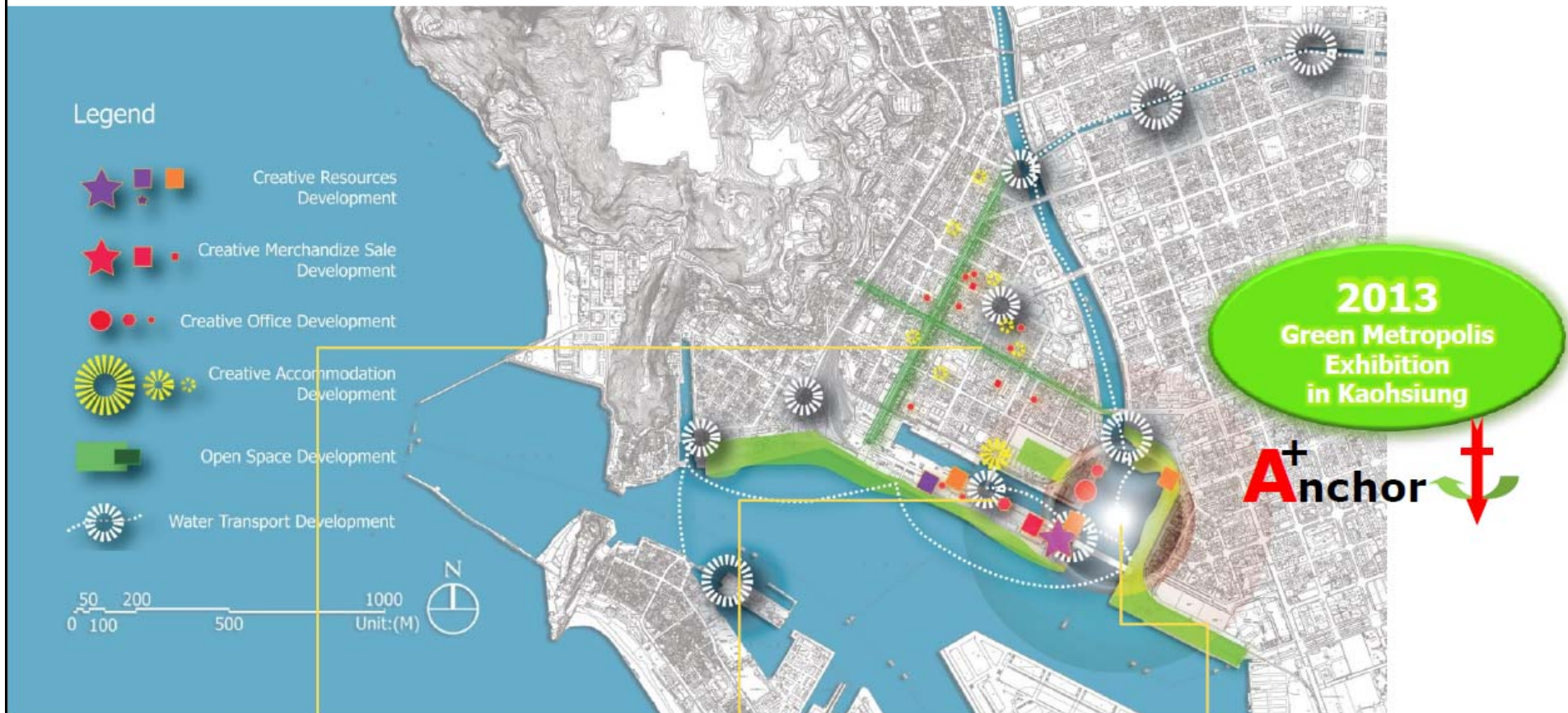
Toward A Sustainable Creative Metropolis

劉士祺 陳慕天
ir. Liu, Shih-chi ir. Chen, Mu-tien



The Milestone of the 1st Phase

For the 2013 exhibition and the development of Anchor Plus, the Love Bay is the core developing area mostly invested by the government.



1. Vacant buildings for studios and accommodation of creative talents
2. Preliminary urban regeneration in the old town area

Extended exhibition place (using existing ware houses)

1. Core exhibition place
2. Construction of the creative resource complex



The 1st Phase of the Project

The Love Bay - a Core Showing Place for the 2013 Exhibition

A show-window of the future Kaohsiung Lifestyle



The Love Bay Area and the Dock Area are the core showing places for the 2013 Exhibition, in which the future Kaohsiung lifestyle is being shown.

4

The 1st Phase of the Project

Conclusions:

1. New and Fresh ideas
2. Reinventing Cities?
3. Next steps after Proposals?

1. “Idea for Action, Kaohsiung” International Competition is that this City continues to explore the opportunities in facing the future by ways of launching dialogues with global young planners, a group of free and creative professional people.
2. Through the process of discussion, Kaohsiung citizens might open their view towards future and this will make policy makers in City Government and community leaders to be free from reality and look ahead towards how the city can adapt to changes and recreate new urban living modes This is a creative action to “make the local to converse with the globe.”
3. Though the proposals drawn by young planners need not to have complete feasibility under current circumstances, each nominated proposal has been scored and questioned by jury panel members via mutual discussion and dialectics. The meaning and values of each nominated proposal emerge, which reminds us that there are many opportunities and threats in our city, and people in the city should always take good advantages of brave imaginations to become innovative strategies and actions for city visions ahead. Thus local cities or global cities can wisely run and maintain the circle of life.



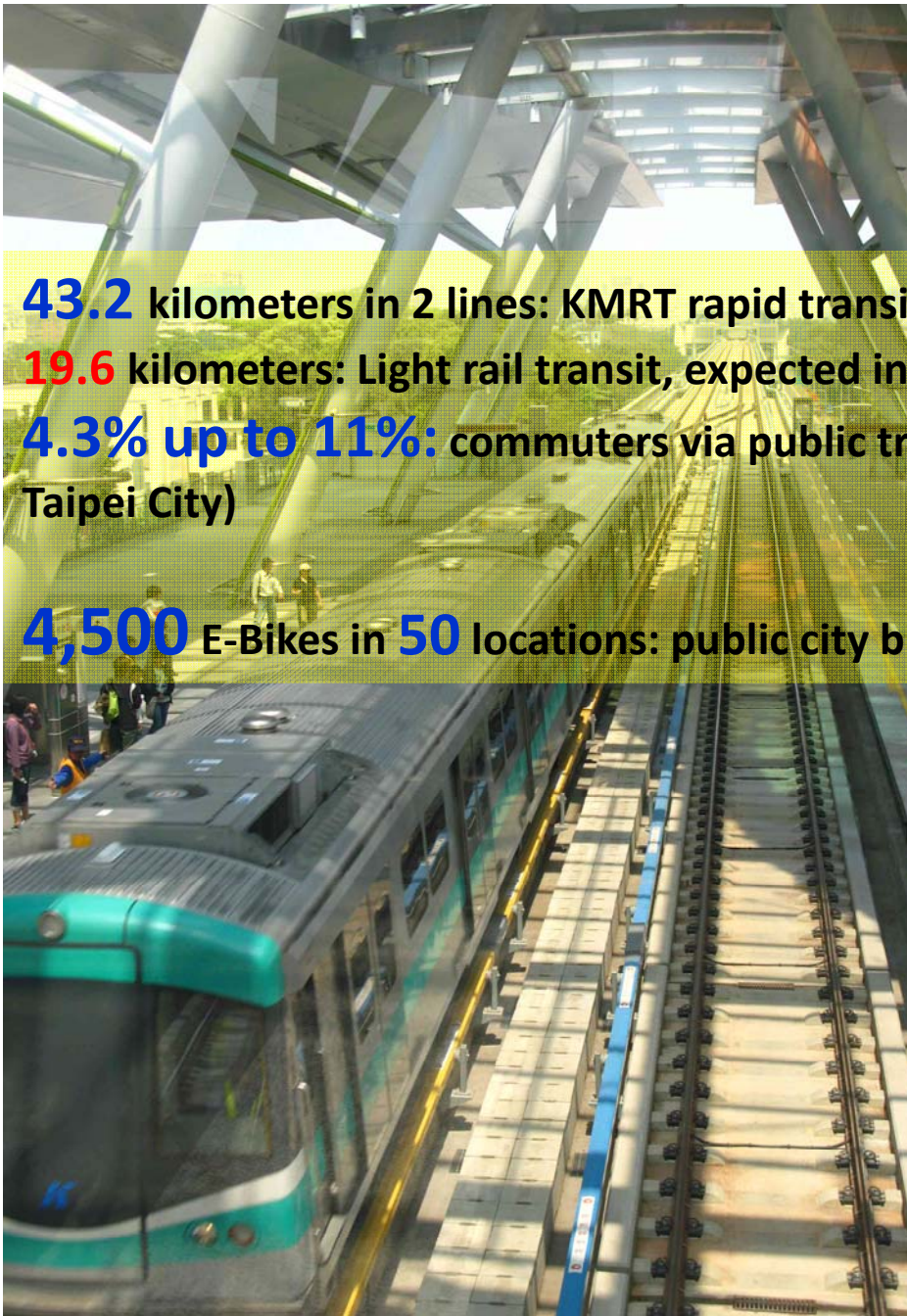
Scooters are the most popular business, living and recreation vehicles in Taiwan.



Replace fuel-driven Scooters with electric scooters by government subsidies.



Public Bicycle system in Kaohsiung

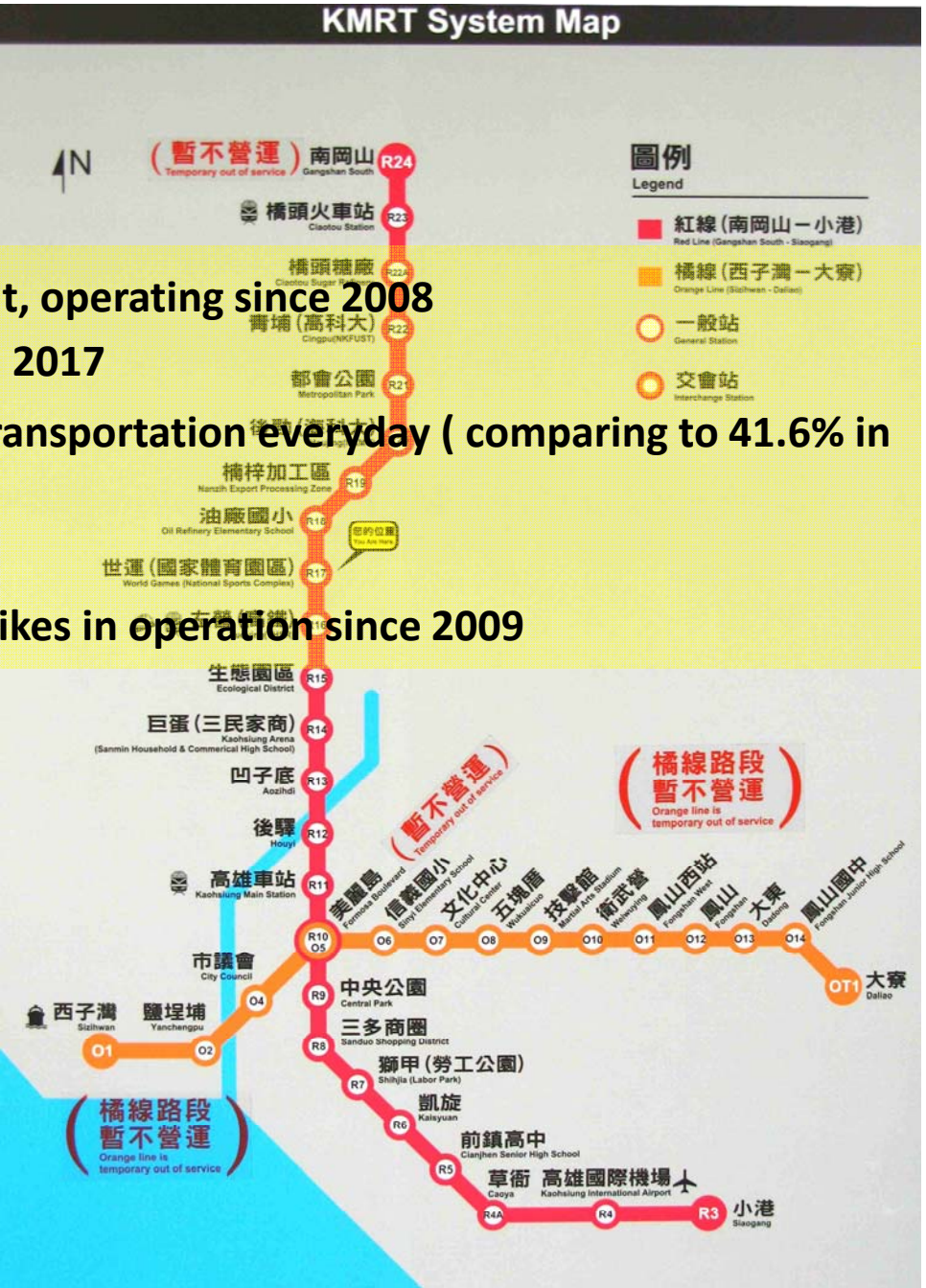


43.2 kilometers in 2 lines: KMRT rapid transit, operating since **2008**

19.6 kilometers: Light rail transit, expected in 2017

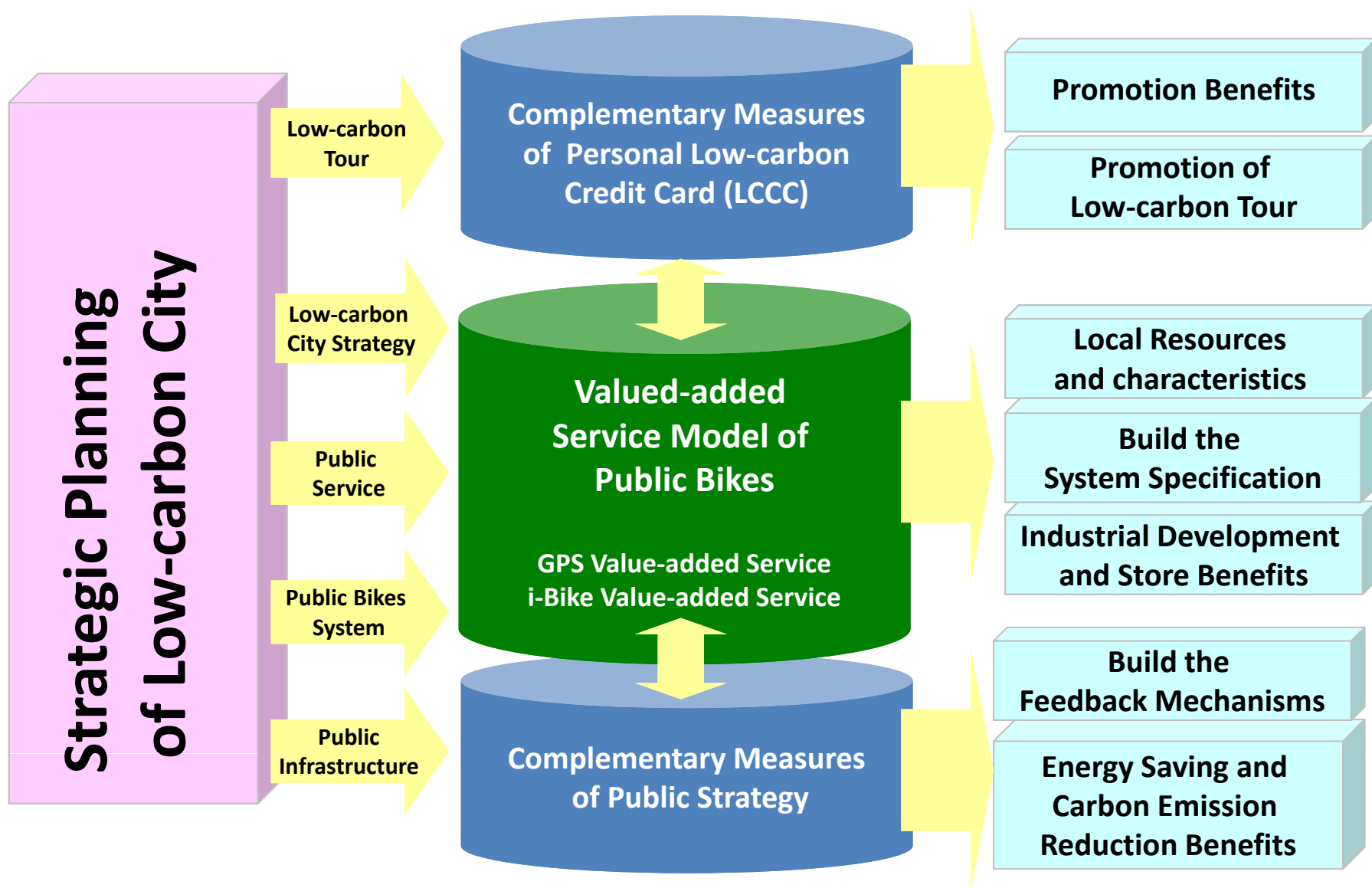
4.3% up to 11%: commuters via public transportation everyday (comparing to 41.6% in Taipei City)

4,500 E-Bikes in **50** locations: public city bikes in operation since 2009



Kaohsiung as a transit-oriented city

The Value-added Framework of Public Bikes





Low-carbon Credit Card (LCCC)



(3) Taking the Ferry to Cijin(旗津) by LCCC



(1) Taking THSRC or TR to Kaohsiung City(高雄市)



(2) Taking KRTC to the Ferry Station by LCCC

Business Model (Low-carbon, Health, Integrated Marketing Services)



Low Carbon Credit Card



(4) Rent the Bikes
by LCCC



- ✓ Mileage Record
- ✓ Carbon Reduction Calculation
- ✓ Calories Record
- ✓ Points Cumulation

Public Bike Rental Center at Scenic Spots

Public Bike Rental Center



(5) Store Promotion

Get the Special Price from Low-carbon Store by cumulating the Points

Low-carbon Store



Public Bike Rental Center A



Public Bike Rental Center B

Public Bike Rental Center C

- ✓ Carbon Reduction Data
- ✓ Public Bikes Utility Benefits
- ✓ Tourism Number



Central Management System

Calculating the Transport Mileage
by Riding Records



(6) SMS will inform You the Carbon Reduction Data after the Tour

Taiwan is the **fourth PV production country** and the **second output quantity country** in the world.



Taiwan Leads LED Lighting Standard



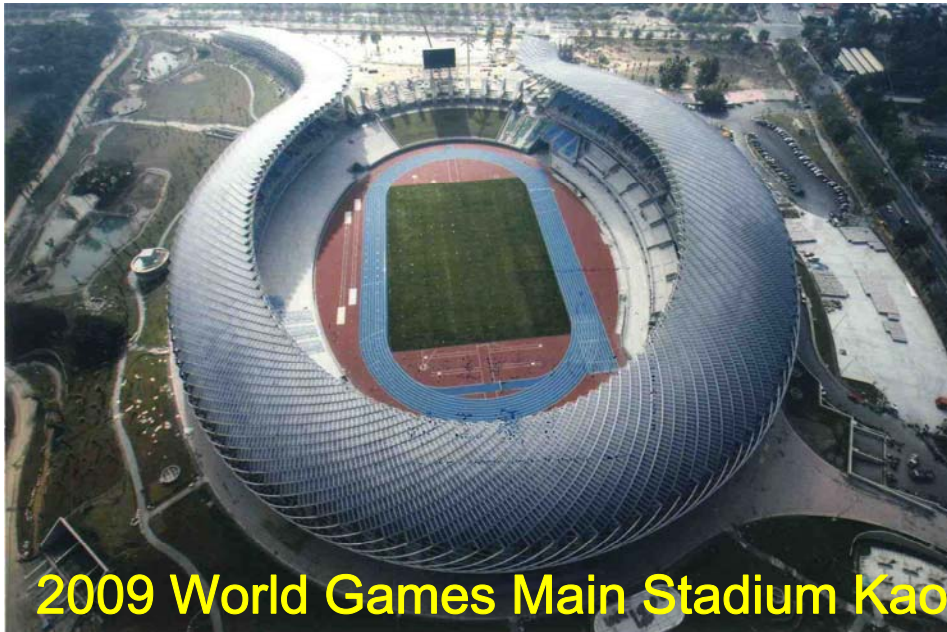
Kaohsiung has lead the way to explore energy conservation in Taiwan.

**From
3KW
2005**

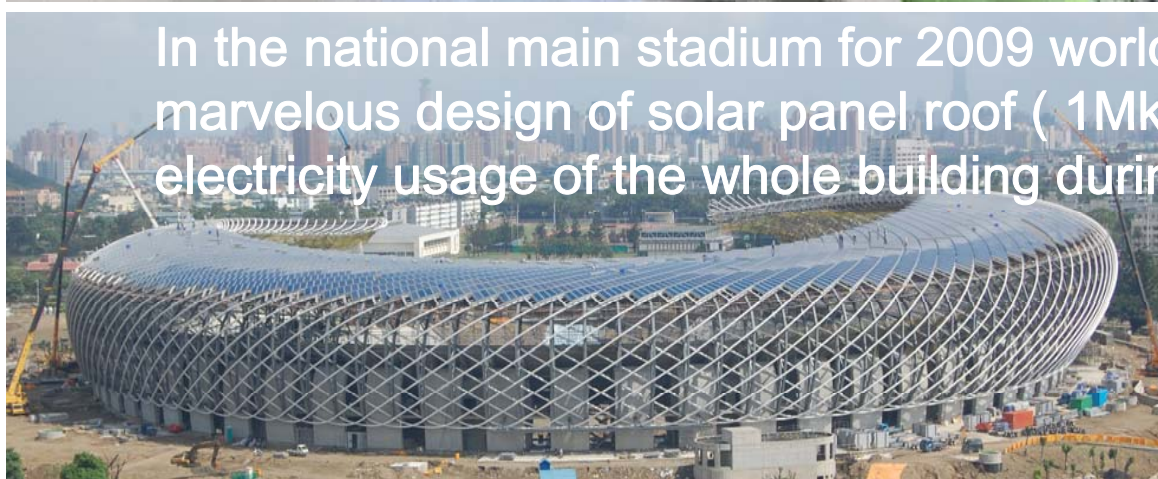
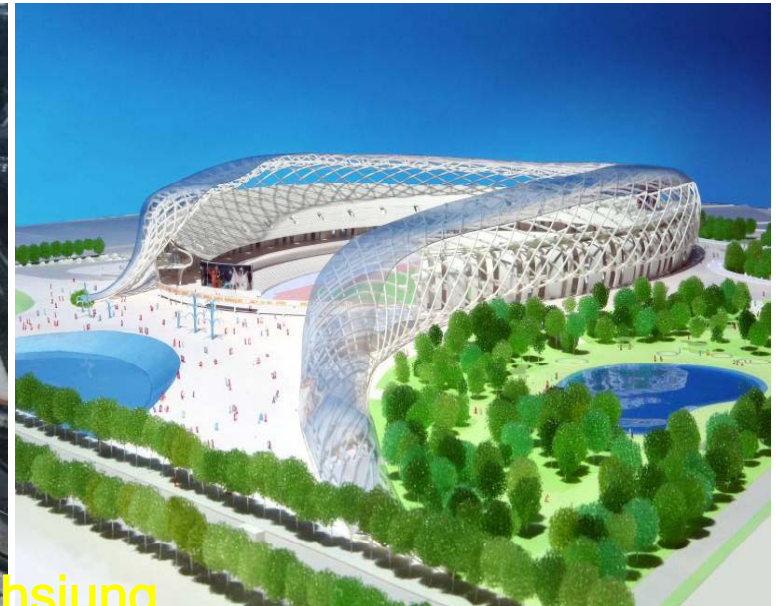


**To
1MW
2009**





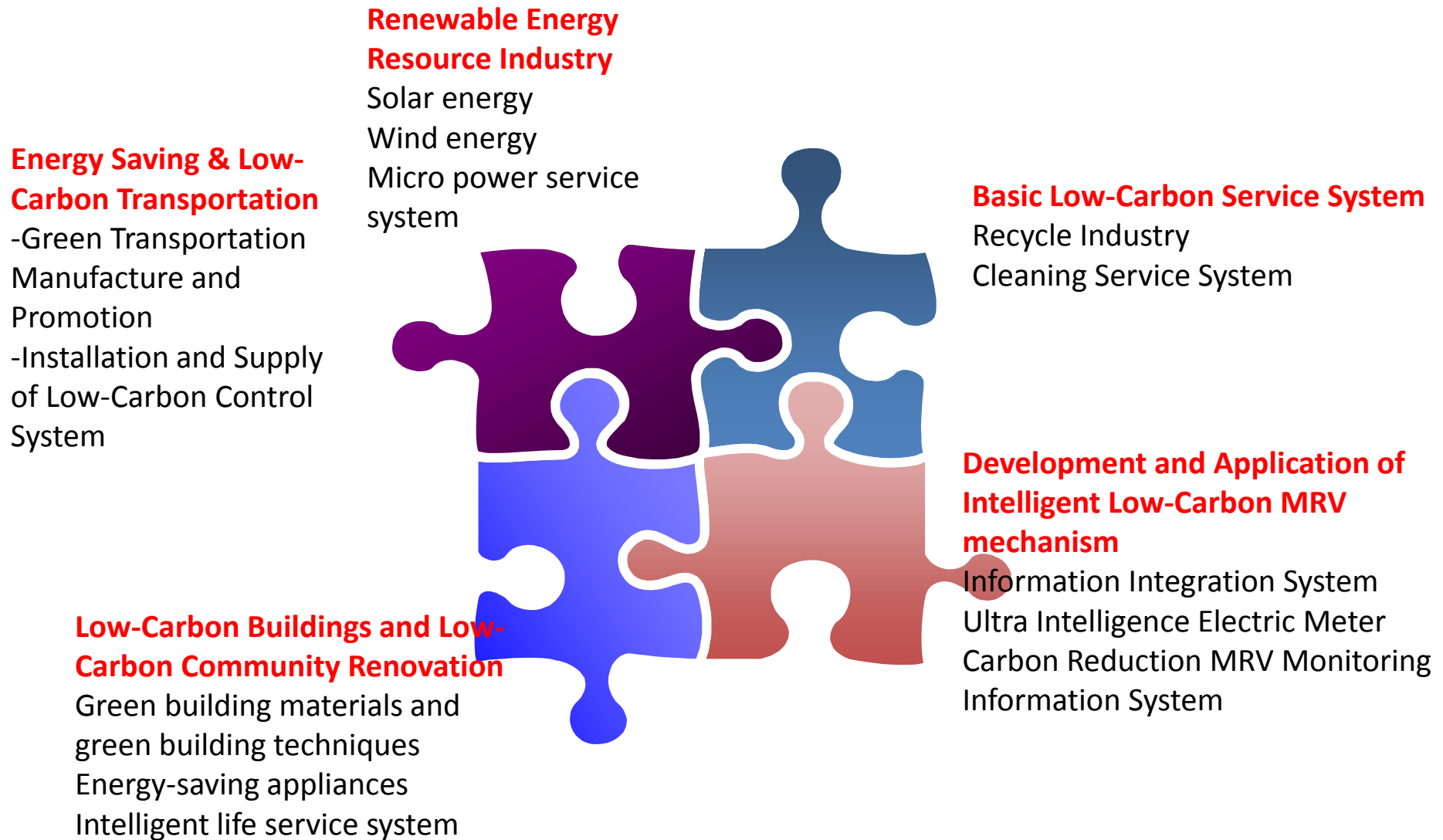
2009 World Games Main Stadium Kaohsiung



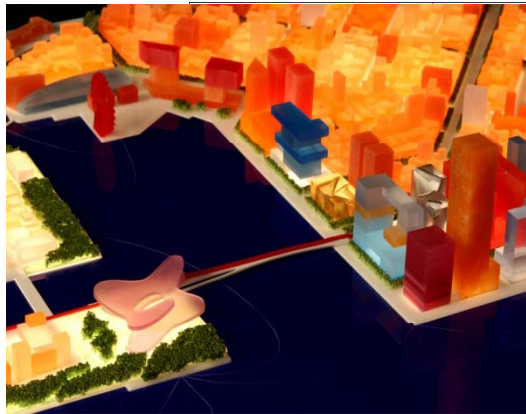
In the national main stadium for 2009 world games in Kaohsiung, its marvelous design of solar panel roof (1Mkw) can cover 80% of electricity usage of the whole building during the daytime.



The possible strategies to form Green industries in regional base on low-carbon policy



3 flagship development projects in sea-harbor front, Kaohsiung



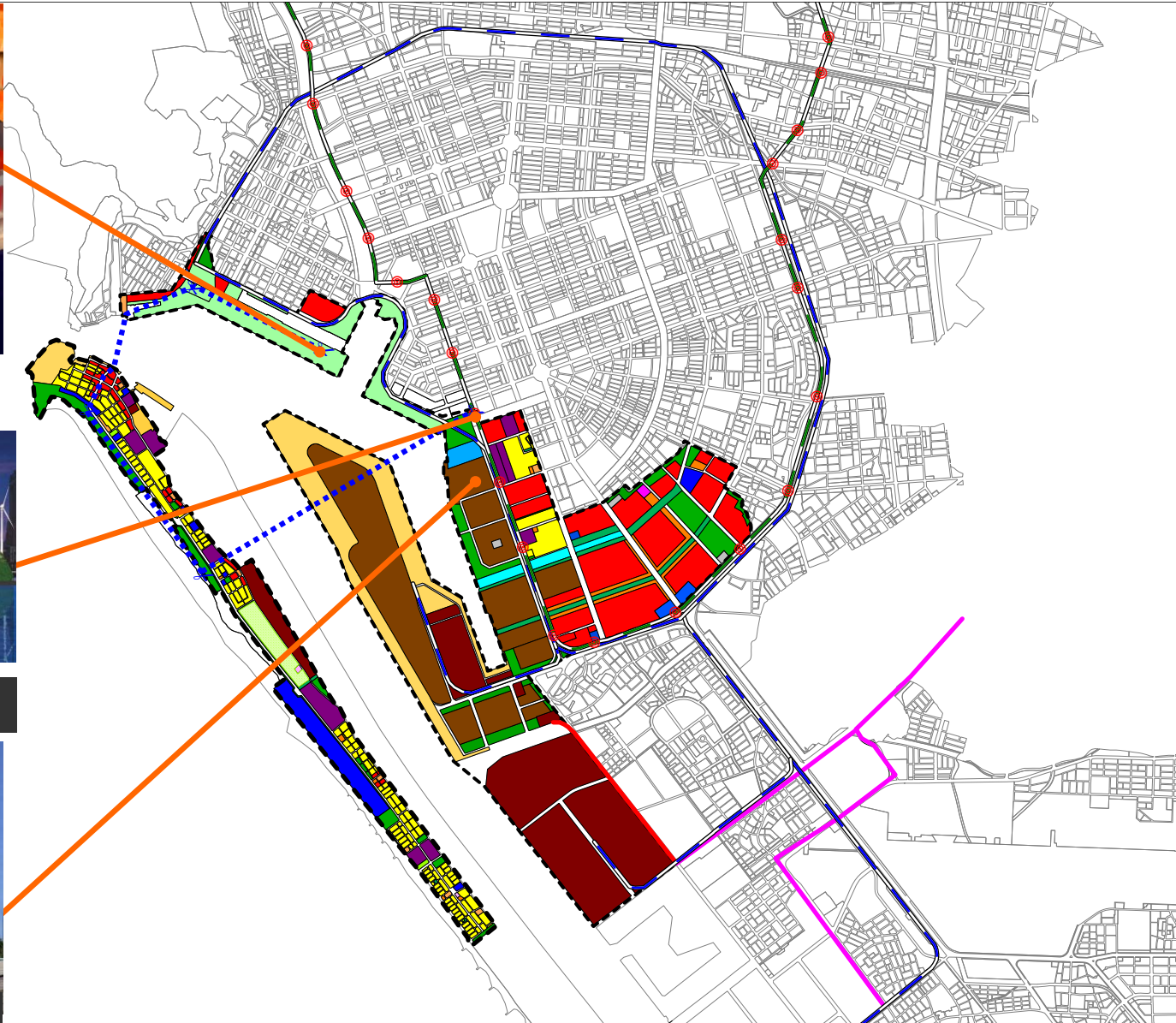
Pop Music Center



International Ferry Terminal

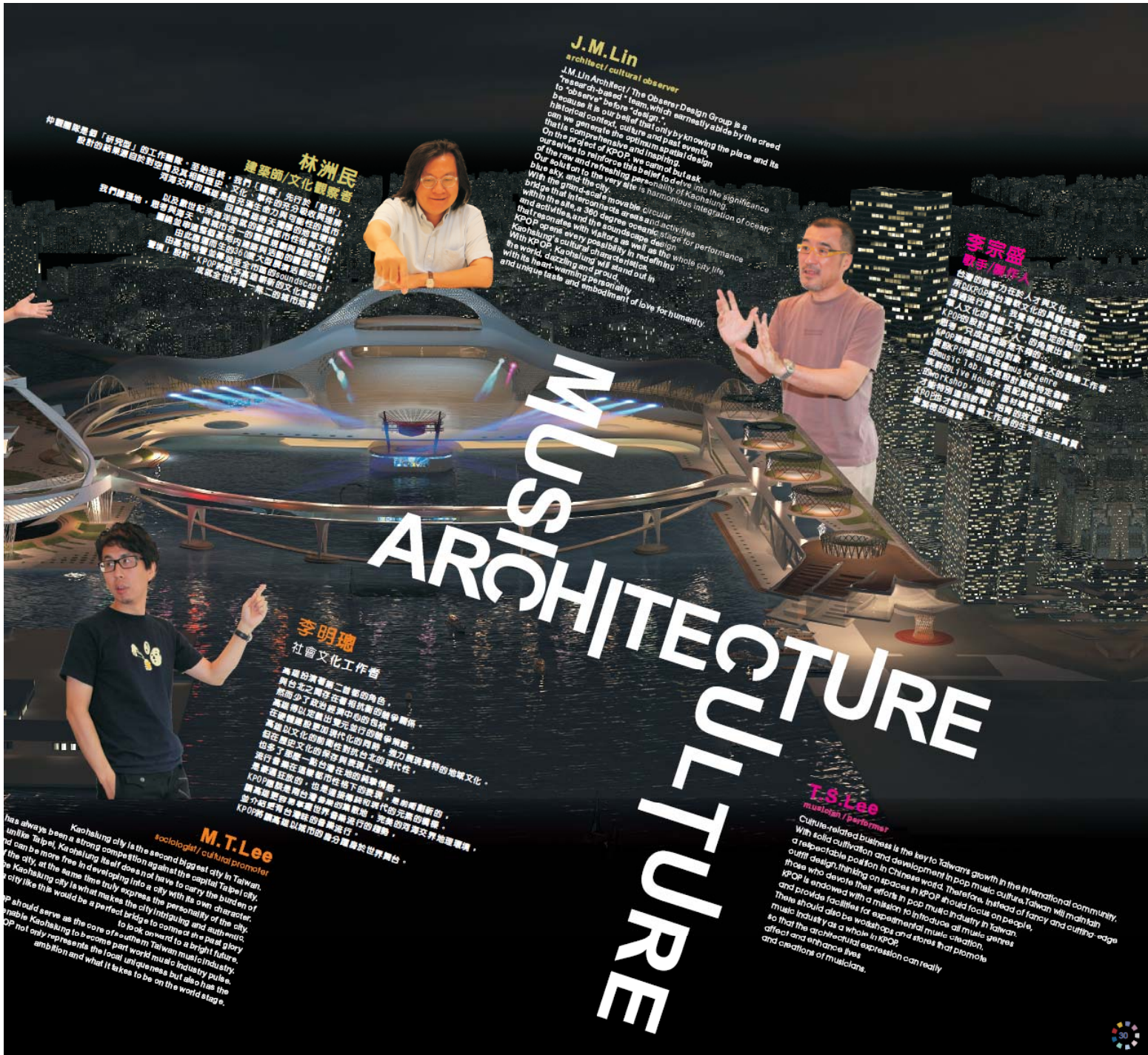


World Trade Center



Kaohsiung Maritime Cultural and Popular Music Center





J.M. Lin

architect / cultural observer

J.M. Lin Architect / The Observer Design Group is a "research-based" team, which earnestly abides by the creed to "observe" before "design."
 J.M. Lin Architect / The Observer Design Group is a "research-based" team, which earnestly abides by the creed to "observe" before "design."
 can we penetrate the optimum spatial design of the project of KPOP in terms of but ask ourselves do reinforce this belief to derive into the significance of the raw and refreshing personality of Kaohsiung.
 Our solution to the very site is harmonious integration of ocean, with the grand-scale and mobility.
 and the site, a 360 degree movable circular and activities, and the soundscape design for performance that resonates with visitors as well as the whole city life.
 KPOP opens every possibility in redefining Kaohsiung's cultural chaos as well as the world, dazzling and proud.
 With KPOP, Kaohsiung will stand out in with its heart-warming personality and unique taste and embodiment of love for humanity.

林洲民
建築師/文化觀察者

中興路與高雄「研究型」的工作團隊。至於建築，我們「觀察」先行於「設計」，以及對世界充滿好奇心與探索性的城市。我們相信，只有透過對城市文化的深入觀察，才能理解其獨特的文化脈絡。KPOP的出現，不僅是高雄城市發展的一個契機，更是全球音樂產業發展的一個縮影。我們希望透過KPOP，讓高雄成為一個具有國際視野、包容多元文化的城市。KPOP將成為高雄城市發展的一個契機，更是全球音樂產業發展的一個縮影。我們希望透過KPOP，讓高雄成為一個具有國際視野、包容多元文化的城市。

李宗盛
歌手/製作人

台灣音樂界在人才與文化，所以KPOP的出現，不僅是高雄城市發展的一個契機，更是全球音樂產業發展的一個縮影。我們希望透過KPOP，讓高雄成為一個具有國際視野、包容多元文化的城市。KPOP將成為高雄城市發展的一個契機，更是全球音樂產業發展的一個縮影。我們希望透過KPOP，讓高雄成為一個具有國際視野、包容多元文化的城市。

MUSIC ARCHITECTURE

李明璁

社會文化工作者

高雄扮演著第二都城的角色，然而少了政治經濟中心的包袱，在硬體建設更加現代化的同時，卻缺乏了文化與藝術的靈魂。KPOP的出現，不僅是高雄城市發展的一個契機，更是全球音樂產業發展的一個縮影。我們希望透過KPOP，讓高雄成為一個具有國際視野、包容多元文化的城市。KPOP將成為高雄城市發展的一個契機，更是全球音樂產業發展的一個縮影。我們希望透過KPOP，讓高雄成為一個具有國際視野、包容多元文化的城市。

M.T. Lee

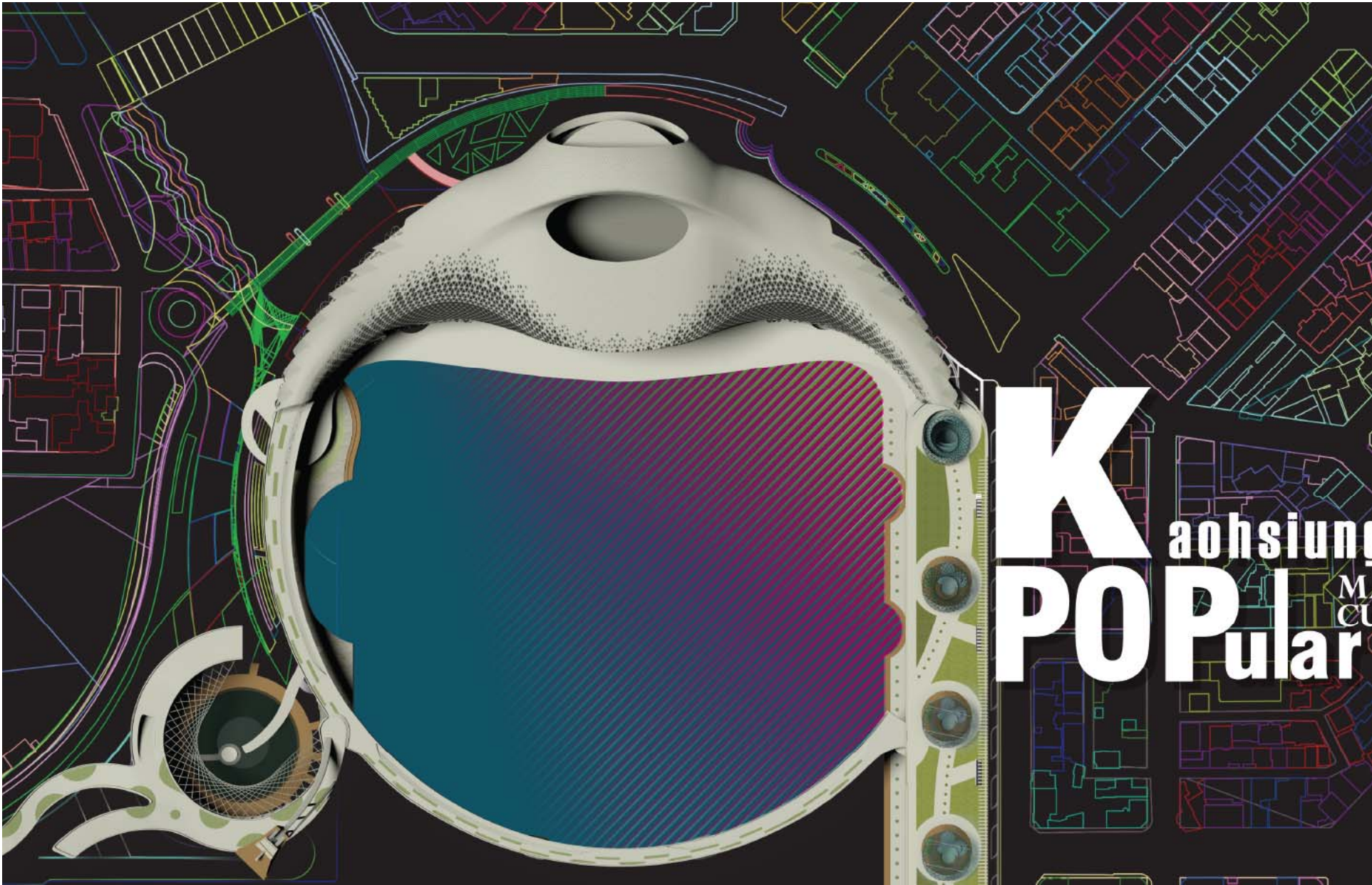
sociologist / cultural promoter

Kaohsiung city is the second biggest city in Taiwan, unlike Taipei, Kaohsiung itself doesn't have to carry the burden of the city, at the same time truly express the personality of the city. KPOP should serve as the core of southern Taiwan music industry, enable Kaohsiung to become part world music industry pulse, not only represents the local uniqueness but also has the ambition and what it takes to be on the world stage.

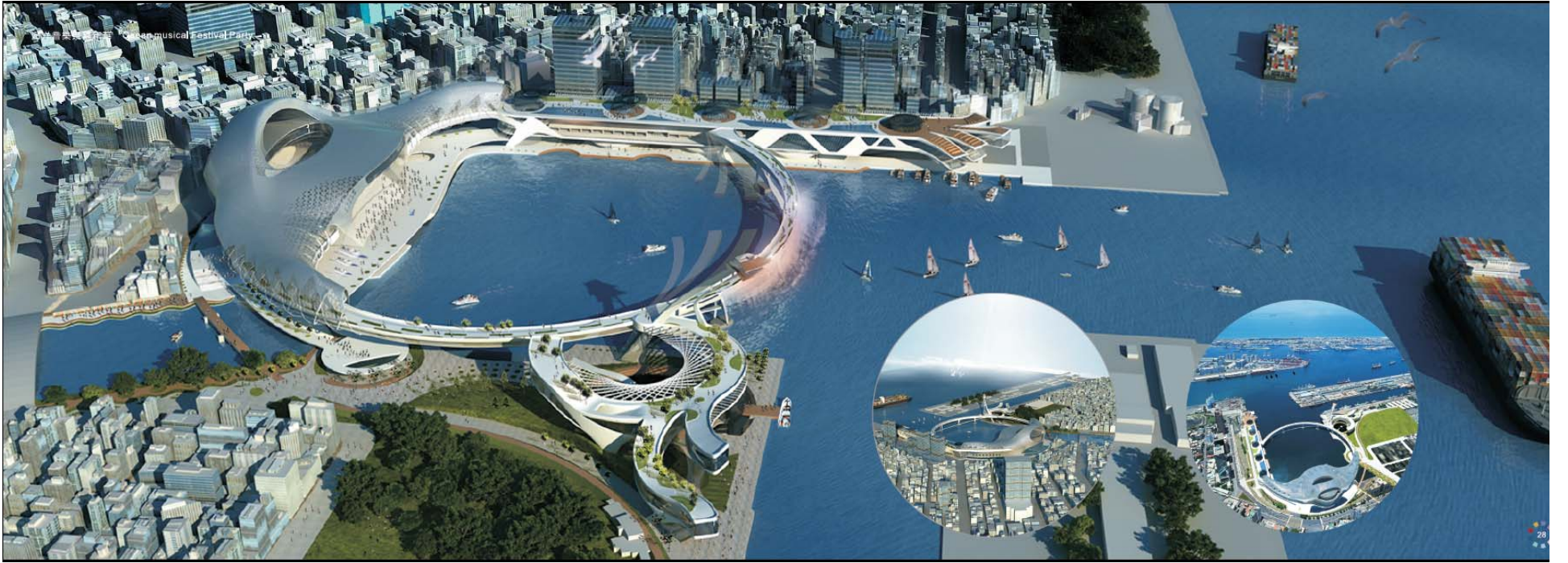
T.S. Lee

musician / performer

Culture-related business is the key to Taiwan's growth in the international community. With solid cultivation and development in pop music culture, Taiwan will maintain a respectable position in Chinese world, therefore, instead of fancy and cutting-edge art design, thinking on spaces in KPOP should focus on people, those who devote their efforts in pop music industry in Taiwan. KPOP is endowed with a mission to introduce all music genres and provide facilities for experimental music creation. These should also be worthwhile and stores that promote music industry as a whole in KPOP. so that the architectural expression can really affect and enhance lives and creations of musicians.



K aohsiung
POP Pular



“Green Shift” in Kaohsiung is a paradigm shift of urban governance. It proves that localism can revive cities as a renewed sense of place and spawns local creativity. The strategies have brought the structural transformation to the reinvestment of the city.