

Connect2culture

Asia-Europe Dialogue on Arts, Culture & Climate Change

The Asia-Europe Foundation



Eco-Design is Design Itself

Progress & Legacy, Culture & Aesthetics

Climate Change

Arctic Report

Arctic Ocean

Sea-ice Conditions

2002 – 2008

20020908 5149688 km²

20030918 6032031 km²

20050922 5315156 km²

20060920 5846875 km²

20070924 4254531 km²

20080909 4707813 km²

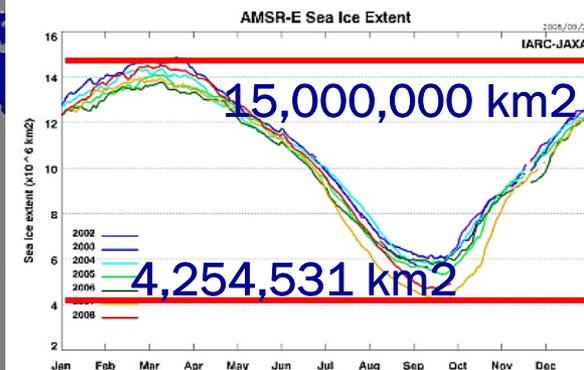
20020908 5,149,688 km²

20030918 6,032,031 km²

20070924 4,254,531 km²

20080909 4,707,813 km²

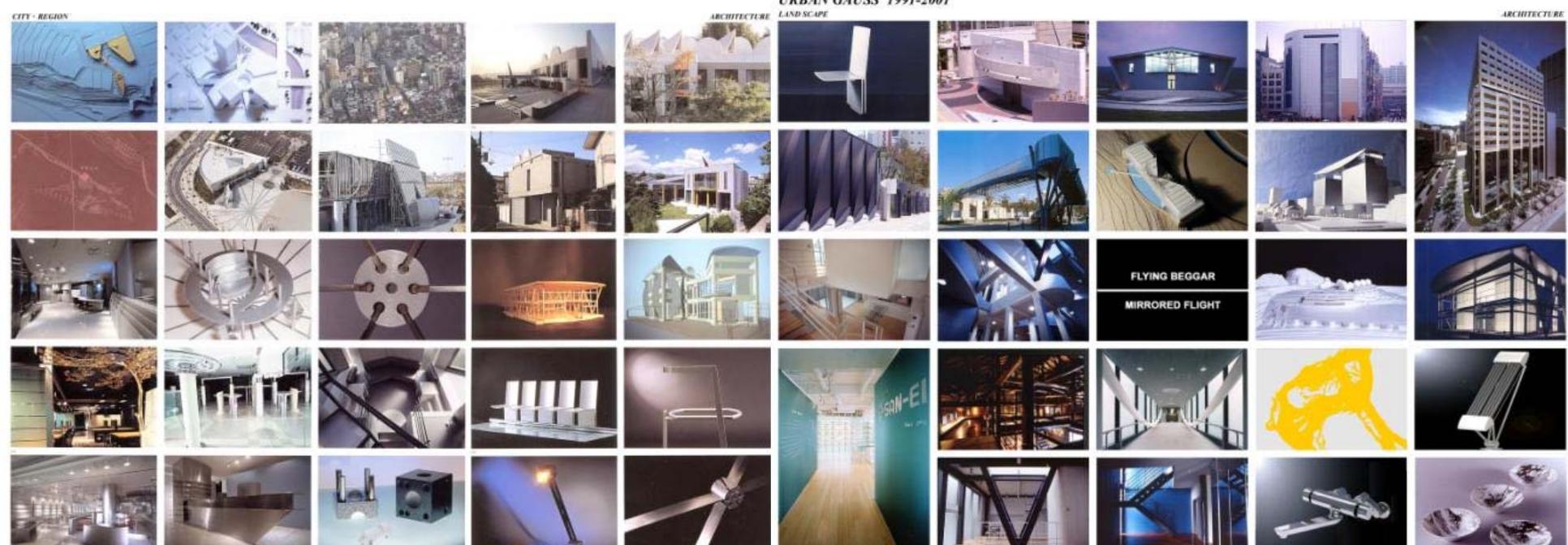
最新海水面積: 4,845,213 km²(2008年9月16日時点)





DWELL
with EVERY BEINGS

sea squirt : origin of human kind / vertebrate animals



DESIGNER must be an ECODESIGNER



WORKS 1981-2008 ACT as a SPACE DESIGNER designing 1/1-1/200,000

SIMULATING “the DWELLING SPACE” from PAST to FUTURE for HOW WE LIVE NOW

MY RESEARCH PROJECTS 2000-2006

from **PAST**: **RESEARCH PROJECT 1:2000-2004**

LEARNING & ARCHIVES of SPACE HERITAGE 1200 YEARS

Exhibition :Tōji Temple Kyoto-ANATOMY in CYBER SPACE JAPAN2003 CHINA2004

works of graduate school / Kyoto City University of Arts

to the **FUTURE**: **RESEARCH PROJECT 2: 2001-2003**

HOW to DWELL in INTERNATIONAL SPACE STATION

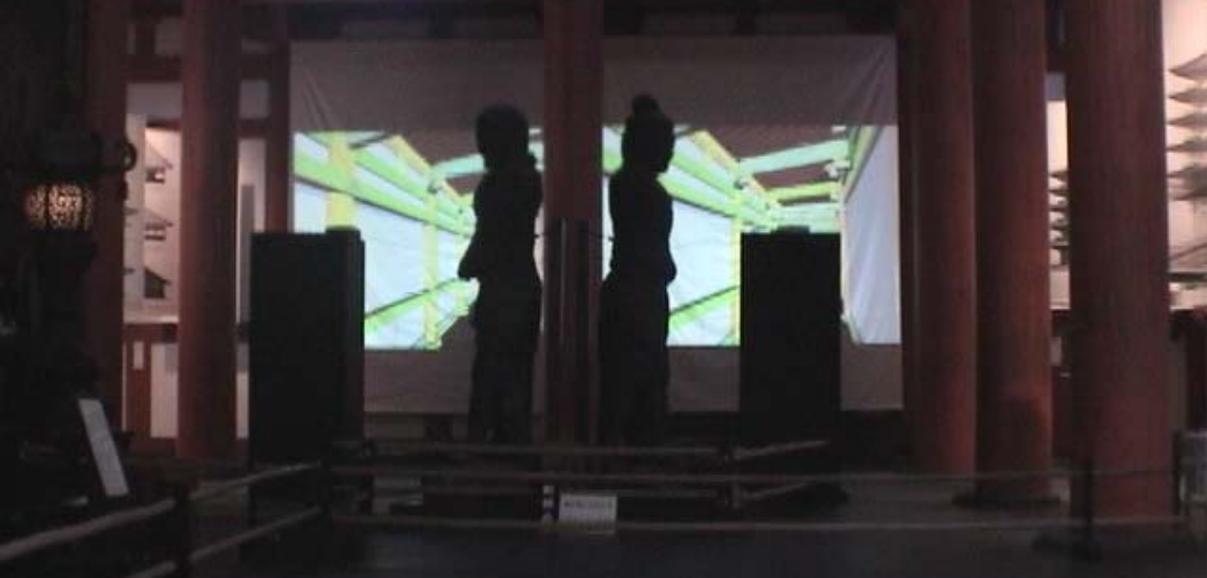
ARTISTIC APPROACH TO SPACE/ Kyoto City University of Arts

NOW :**RESEARCH PROJECT 3:2003-2006**

HOW WE ACT for ECODESIGN SOCIETY

Osaka model of circulation oriented society through case study of existing city &
neighborhood nature /TEAM AXIS4 NPO ECODESIGN NETWORK

RESEARCH PROJECT 1:2000-2004
 from PAST:
 LEARNING SPACE HERITAGE 1200 YEARS



Exhibition: Tōji Temple Kyoto—ANATOMY in CYBER SPACE
 works of graduate school / Kyoto City University of Arts
 JAPAN 2003 CHINA2004



東寺

教王護国寺
 デジタル空間
 の透視

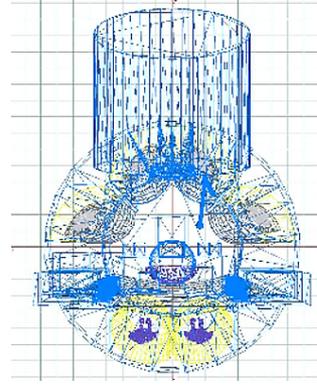
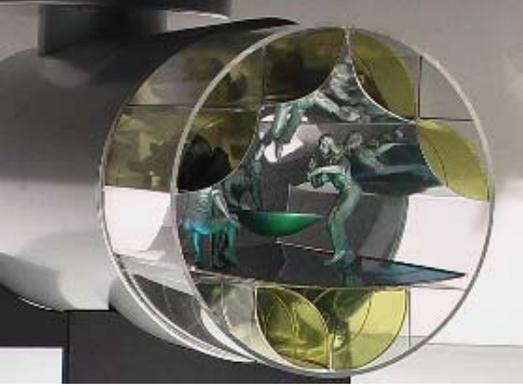
Exhibition: Tōji Temple Kyoto—ANATOMY in CYBER SPACE
 1-25 NOV 2003
 at the Jikido in Tōji Temple, Kyoto

京都府京都市東山区
 東寺本願寺
 1200年の歴史を
 今に伝える
 京都府立総合資料館
 の企画で企画した寺
 々々の歴史を
 一ツツ作り、現代日本
 の歴史を伝える会館を
 作っています。この日、
 京都府立総合資料館
 コミュニケーション
 システム研究センター
 によってこの寺の歴史
 をデジタル空間で
 表現する会館が
 完成しました。

Introduction of Tōji Temple Kyoto and the idea of the idea in digital space. The idea of the idea in digital space is to create a digital space where the history of the temple can be experienced in a new way. The idea of the idea in digital space is to create a digital space where the history of the temple can be experienced in a new way.

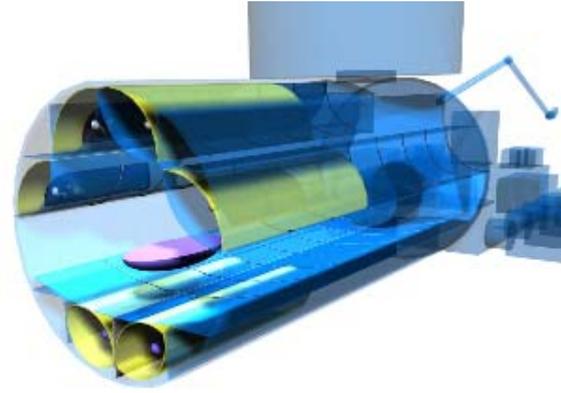
Toji Temple Kyoto—ANATOMY in CYBER SPACE

京都府立総合資料館 / 〒600-8215 京都市東山区本願寺町1-1
 TEL: 075-461-1111 FAX: 075-461-1112
 京都府立総合資料館 / 〒600-8215 京都市東山区本願寺町1-1
 TEL: 075-461-1111 FAX: 075-461-1112



HOW to DWELL on the PLANET

THINKING & SIMULATING INTERNATIONAL SPACE STATION



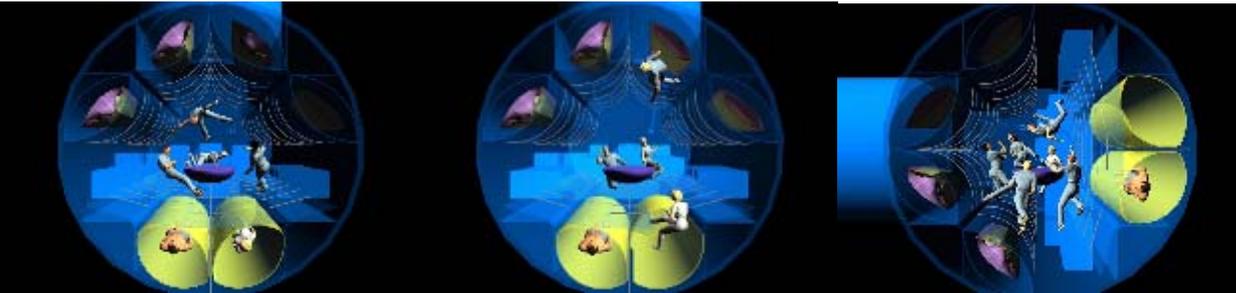
RESEARCH PROJECT 2: 2001-2003

To the FUTURE:

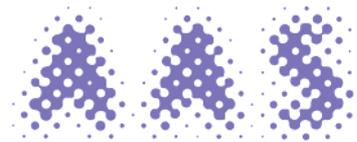
ARTISTIC APPROACHES TO SPACE

Kyoto City University of Arts

HOW to DWELL in SPACE
NO AIR/NO GRAVITY
NO WATER/NO ENERGY/NO FOOD
without **PLANTS & ANIMALS**
only **SOLAR SYSTEM**



designed by TOSHIROH IKEGAMI



ARTISTIC APPROACHES TO SPACE



TEAM AXIS4 NPO ECODESIGN NETWORK

Osaka model of circulation oriented society

through case study of existing city & neighborhood nature

2003-2006

Based on results from Japan Science and Technology Agency / RISTEX



By DESIGN

デザインの力
ライフスタイルと
ビジネススタイルの
変革

LCCO²
地球温暖化防止
emissions
現状比30%削減
達成の補完
by 30%

エコデザイン
スパイラルなライフ
サイクルランキンク

Revamping
大阪地区の
産業再生の
方策を提示
foundation

environmentally
環境先進都市
大阪の創造
advanced

Osaka.

対象：
大阪市内密集市街地
大阪湾沿岸未利用地

普遍性をもった循環型都市再生アジアモデルの構築

RESEARCH PROJECT 3:2003-2006 NOW, HOW WE ACT



COOL HABIT・GREEN WORK

Progress & Legacy, Culture & Aesthetics

Creating a Circulation-oriented Society
through Lifestyle Aesthetics of Eco-Design

Establishing the Asian model of sustainable society

By DESIGN

Revamping
循環型都市再生
アジアモデルの構築
foundation

foundation

デザイン
ライフスタイルと
ビジネススタイルの変革

設計 TECHNICAL WORKS
美学 ARTISTIC WORKS
構想 STRATEGY CONCEPT

大阪湾沿岸未利用地
大阪市内密集市街地

COOLHABIT・
大阪地区の産業再生の方策を提示
GREENWORK
現状比30%削減達成を補完

CSR

CORPORATED SOCIAL RESPONSIBILITY

COMMUNITY SOCIAL RESPONSIBILITY

CITIZEN SOCIAL RESPONSIBILITY

CHILDREN SOCIAL RESPONSIBILITY

CeDM

CLEAN ECODESIGN MECHANISM

ECODESIGN

生活美学

LIVING AESTHETICS

社会美学

SOCIAL AESTHETICS

環境美学

ENVIRONMENTAL CONCIOUS AESTHETICS

COOLHABIT GREENWORK

spiral life-cycle thinking

DUAL LCA=LIFE CYCLE ASSESSMENT

PRODUCT DESIGN

SPACE DESIGN

商品・機器製作におけるライフサイクルアセスメント

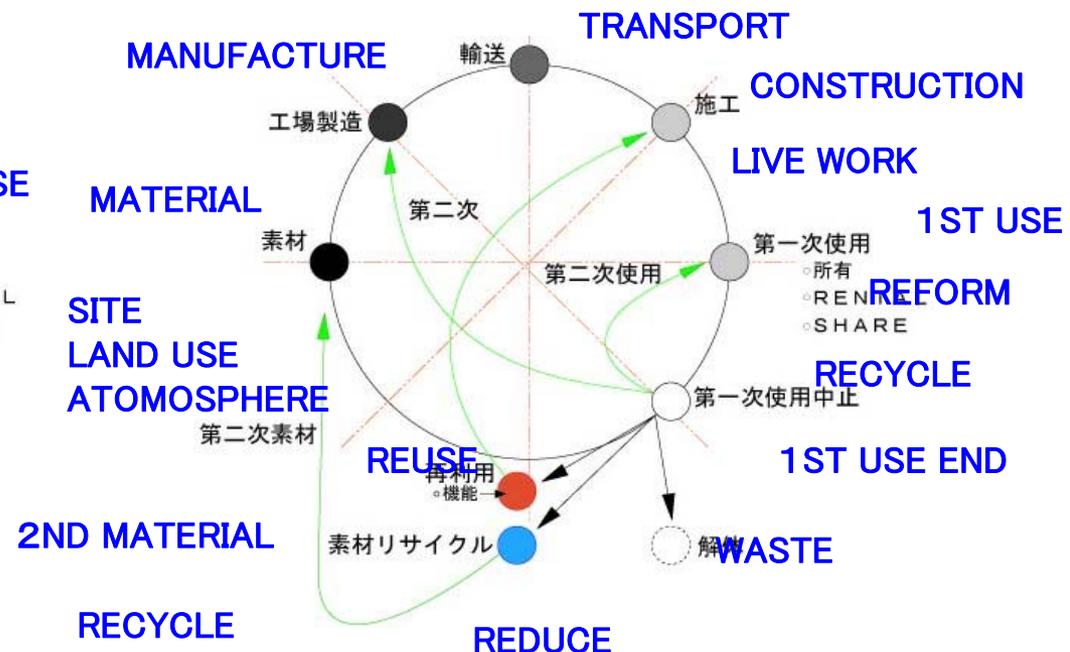
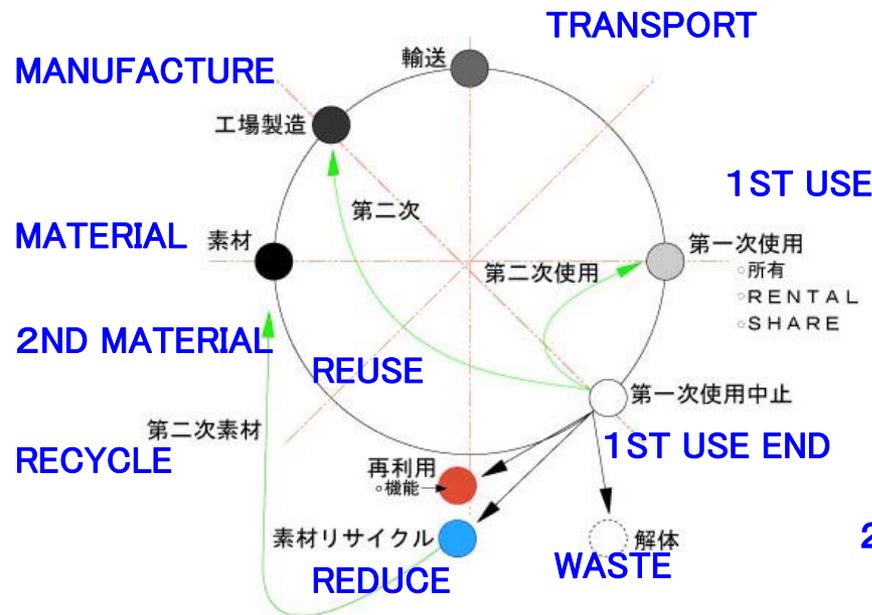
構築物製作におけるライフサイクルアセスメント——建築・都市・地域

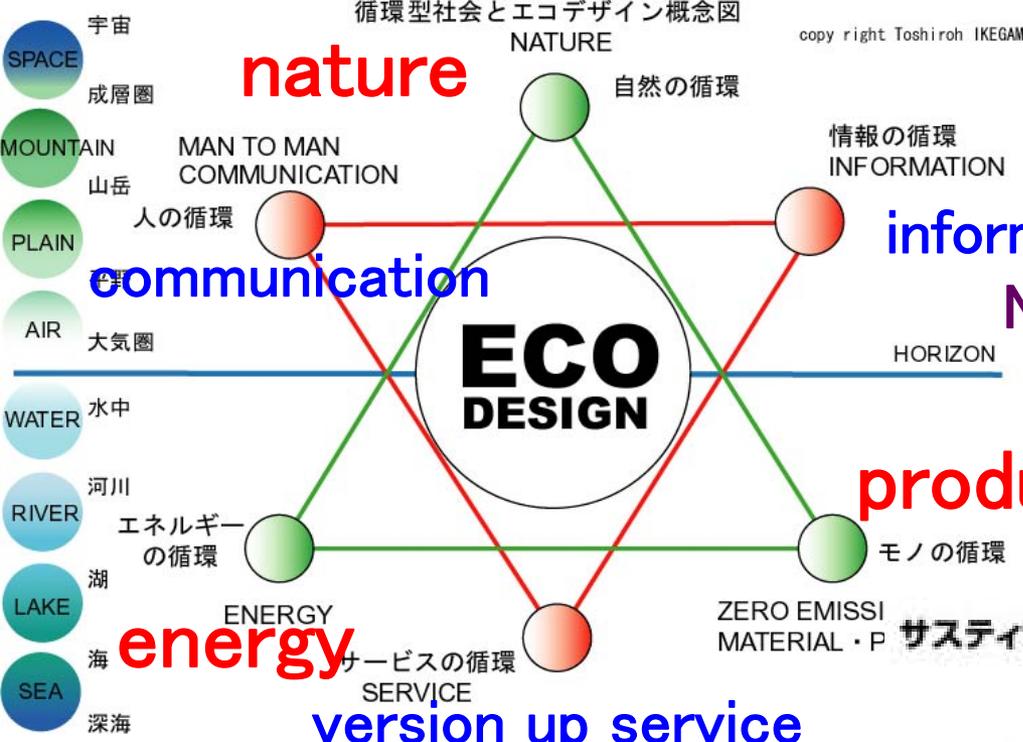
CLOSED SYSTEM

OPEN SYSTEM

ENVIRONMENTAL CONSCIOUS DESIGN

ECOLOGICAL DESIGN





information

NATURE BY A SOLAR SYSTEM

MAN MADE SOCIETY

product

9 DIRECTIONS



8 ART
9つの方向性

7 SCIENCE

6 EDUCATION
1 CITIZENSHIP

4 ECO MATERIAL
5 ECO CITY

8 FINANCE CONTROL

7 INFORMATION CONTROL

6 CRISIS CONTROL

8 IDEALS

5 GLOBAL ENVIRONMENT



2 CULTURE
3 WELFARE

4 REGIONAL ENVIRONMENT

KEY WORD 4

8つの理念

VERSION UP SOLUTION

NATURAL WORKS SOLAR SYSTEM

Circulation of
NATURE

Circulation of
ENERGY

Circulation of
PRODUCT

ARTIFICIAL WORKS

LCCO2 30% EMISSION
through HEATISLAND SOLUTION
for SUSTAINABLE SOCIETY
through LIFESTYLE AESTHETICS

by REVITALIZATION of

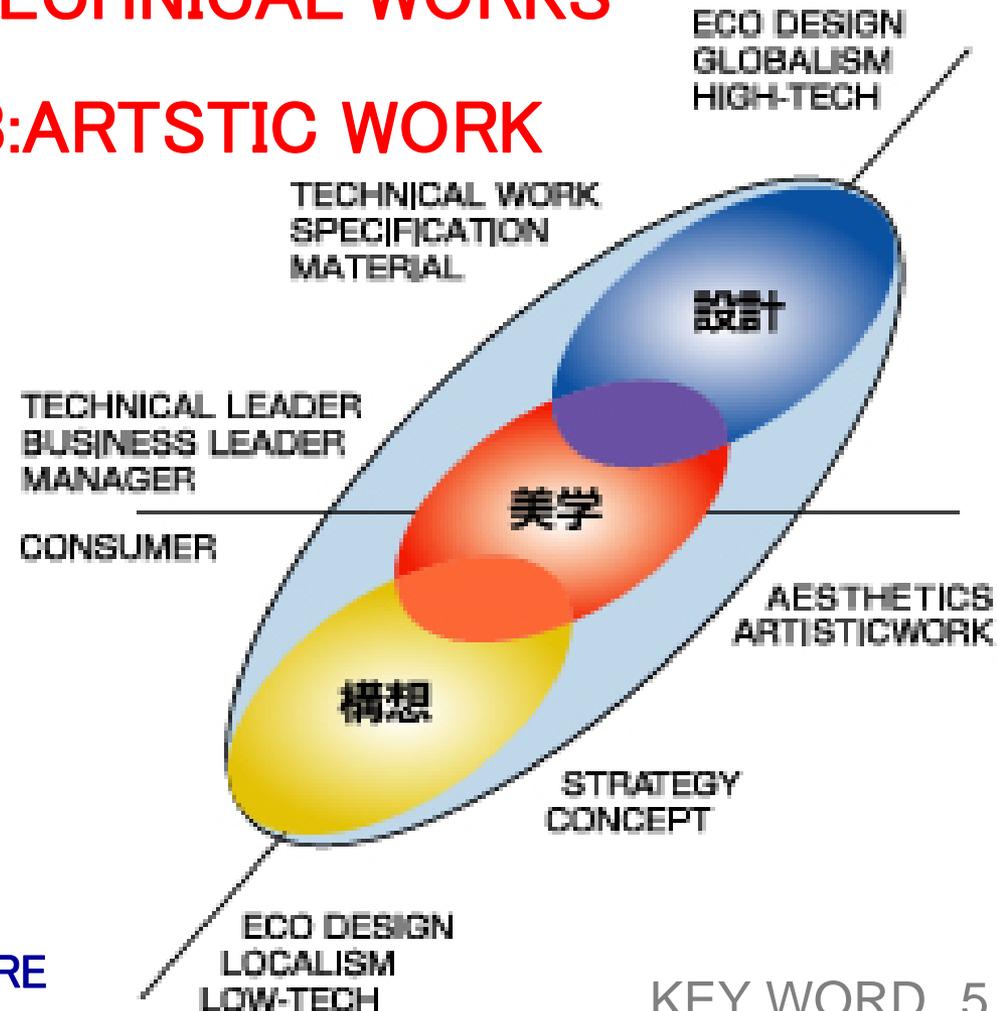
EXISTING CITY & NEIGHBORHOOD NATURE

3 aspects of DESIGN

1:CONCEPT

2:TECHNICAL WORKS

3:ARTSTIC WORK



**CREATING INTERNATIONAL MODEL
of ECODESIGN
from
EACH COUNTRY, EACH REGION , EACH
CITIES**

for Carrying out the Role for Global Climate Change

Starting from Different Settings

–Nature,Culture–

Urbanization–Industry,Waste,Transportation,Water

Land–Agriculture,Forestry,Fishery

Creating a Circulation–oriented Society

through Lifestyle Aesthetics of Eco–Design

for Carrying out the Role for Global Climate Change Starting from Different Settings

transportation



portland



milano



dhaka



new york

landscape design



aspen



portland



Kuala Lumpur



new york

green + artificial work



Xi'an



singapore



dubai



graz

design



wien



Washington d.c.



milano



wien

city dwell work



new york



jakarta



ulan bator

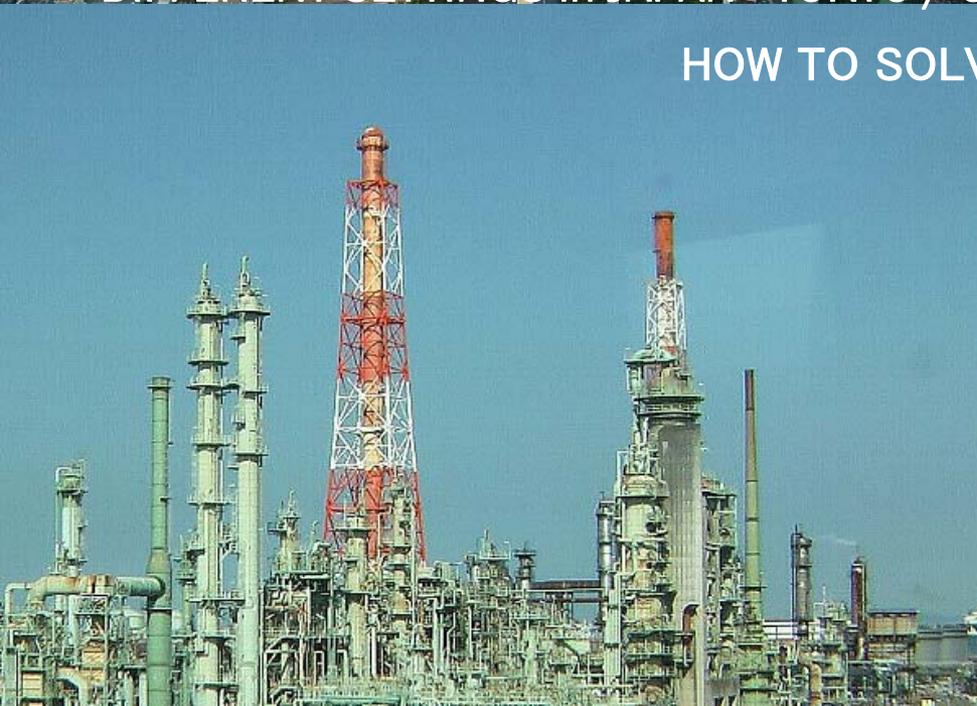


beijing



DIFFERENT SETTINGS in JAPAN TOKYO / OSAKA / KYOTO / MODERN & TRADITION

HOW TO SOLVE CONTRAST

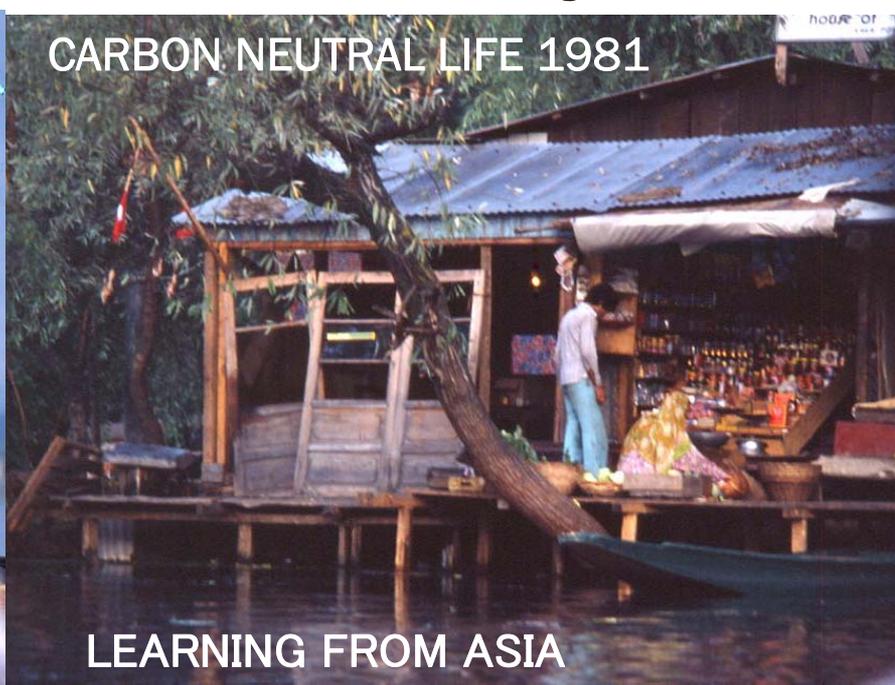




1981 Local Material Dwell /Shelter upper Ladakh with Indus riv. below Srinagar of water life

DIFFERENT SETTINGS in NORTH INDIA

CARBON NEUTRAL LIFE 1981



LEARNING FROM ASIA



GREENHOUSE
PALMENHAUS 1883

DESIGNING
OUR AGE
LIVING WITH
19C/20C/21C
CREATING
ARTIFICIAL SCAPE



OTTO WAGNER
HOPPAVILLION
SCHOENBRUNN

LEARNING FROM EUROPE



DIFFERENT SETTINGS in AUSTRIA LIVING WITH 19C/20C/21C

Research Project

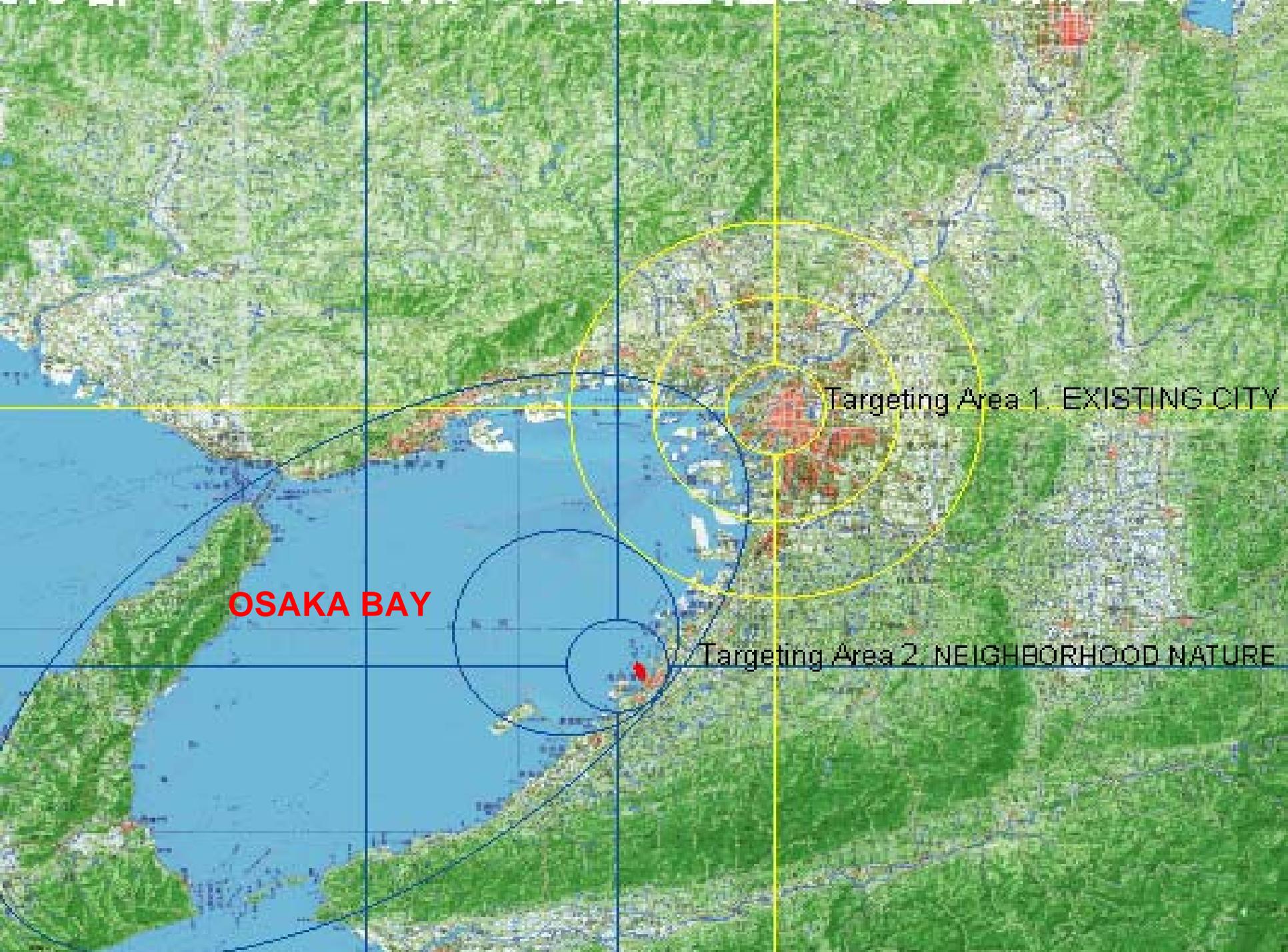
Osaka Model of Circulation-Oriented Society through Case Study of Existing City & Neighborhood Nature

This model integrates
culture, history, technology, and society
in a self-sustaining structure

that allows man-made cities and self-recovering nature
to exist together.

Works by NPO Eco Design Network Team AXIS4

Results from Japan Science and Technology Agency (JST) /
RISTEX 2003–2006 –Research Institute of Science and Technology for Society



OSAKA BAY

Targeting Area 1. EXISTING CITY

Targeting Area 2. NEIGHBORHOOD NATURE

**This is a joint research project
for developing a circulation-oriented model of an existing city,
targeting the densely populated urban area of Osaka
and unused land in the Osaka Bay coastal area.**

The circulation-oriented Osaka model aims at exploring and developing both
1: Osaka's densely populated downtown area and
2: Osaka Bay's unused land.

Strategy:

to construct a sustainable society using lifestyle aesthetics
and sensitivity developed through eco design.

Target Level:

prevention of global warming
by reducing LCCO2 emissions by 30% of current level.

Plan of Action:

Build a flat-type industrial structure. Migrate from over-use of technology
to application of natural life forms (from primary to tertiary industry aspects).

Target Area:

create an environmentally advanced city – Osaka.

End Result:

realize an Asian model of a circulation-oriented city with universal applications.

Plan of Action

BUILD

a flat-type industrial structure

(from primary to tertiary industry aspects)

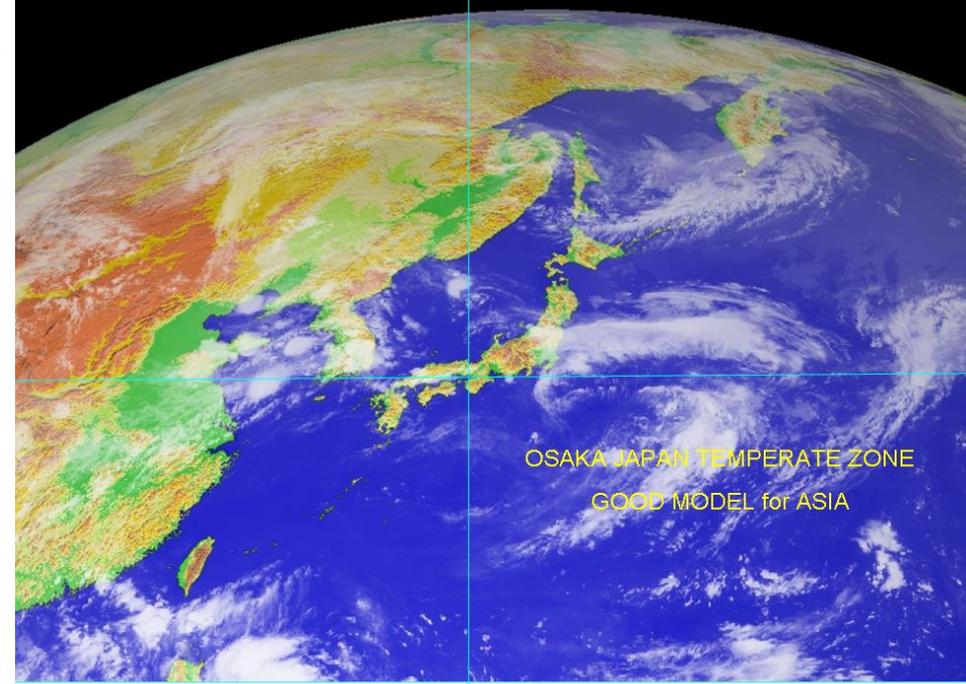
MIGRATE

from

over-use of technology

to

application of natural life forms



how the results of our research can

**enhance and stimulate
the coastal area**

Targeting Area 1. EXISTING CITY

Targeting Area 2. NEIGHBORHOOD NATURE

with a new primary industry system

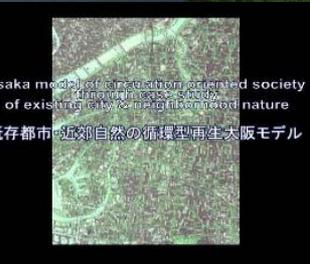
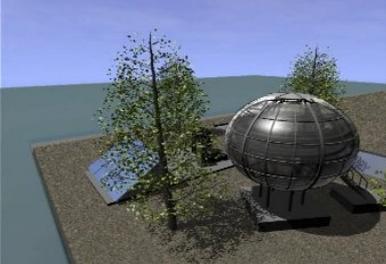
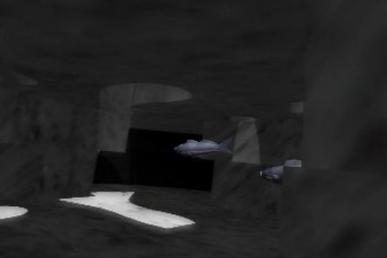
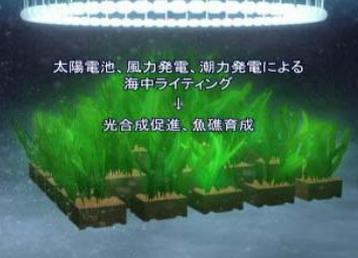
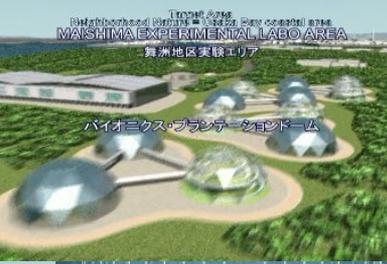
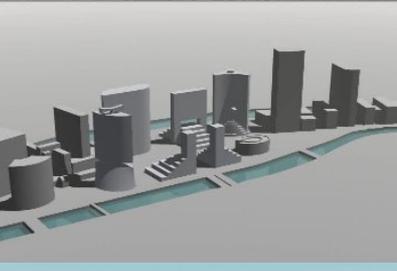
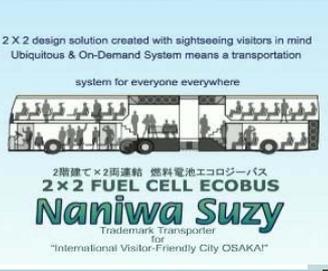
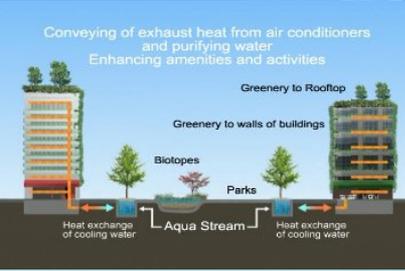
Osaka/JAPAN

We are currently working on a joint research project

**targeting
the densely populated
downtown area of Osaka
and
unused land
in the Osaka Bay coastal area
under
the concept of creating
a BIOMASS society.**

既存都市・近郊自然の循環型再生大阪モデル
Osaka model of Circulation-oriented Revitalization
for existing cities & neighborhood nature

HEAT ISLAND OSAKA

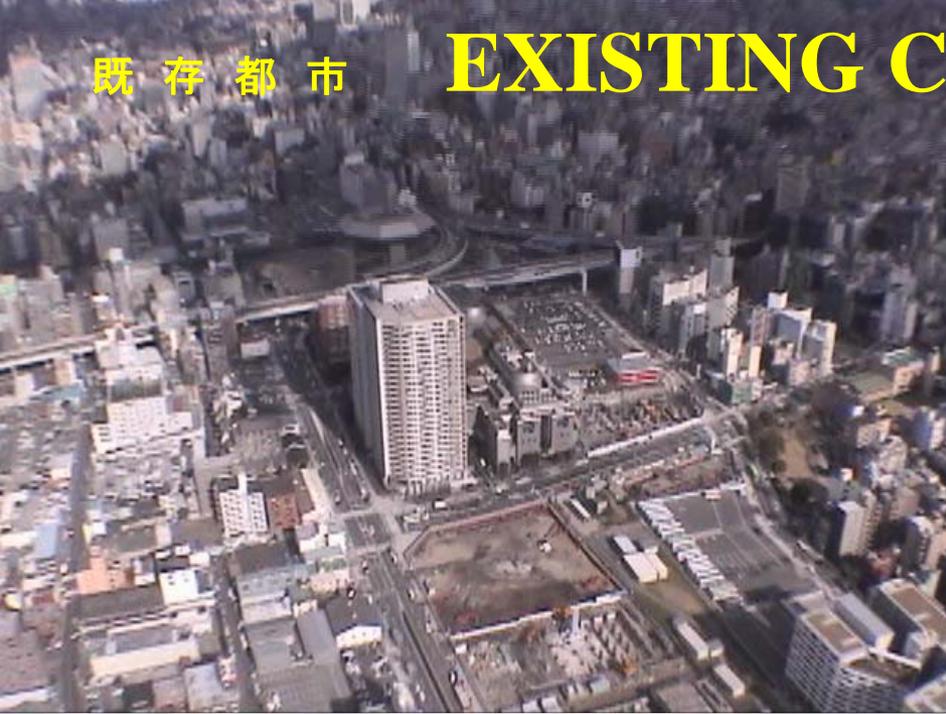


ANIMATION 2006 VER.3 /BY DESIGN / CO2 EMISSION 30% / NEW INDUSTRY by LIFE FORMS POWER /ESCAPE from HEAISTILAND
TRANSPORTATION /CIRCULATION /LIFECYCLE AESTHETICS & SENSITIVITY

既存都市

EXISTING CITY OSAKA

AIR VIEW 2004



OSAKA HI-TEC 2005

Osaka Heat Island Consortium with Technical Measures 2005

Technical methods

Utilize concrete

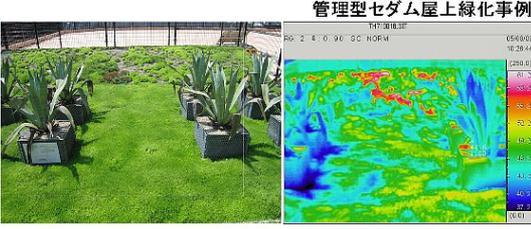
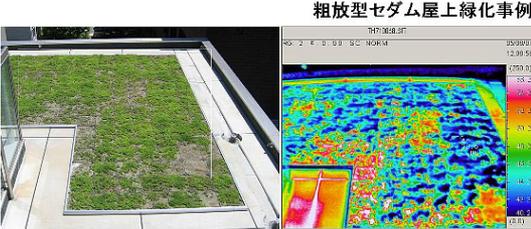
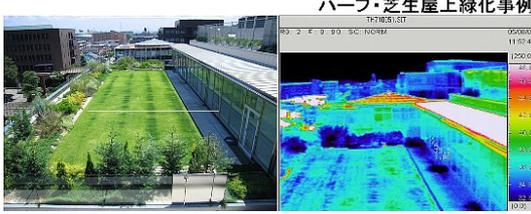
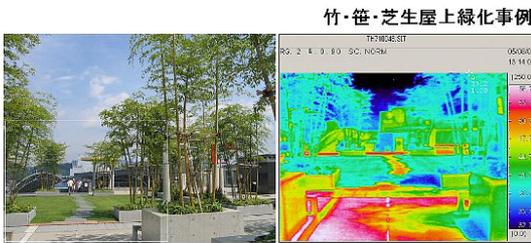
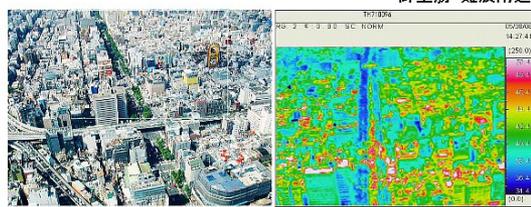
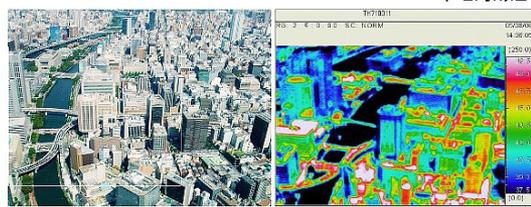
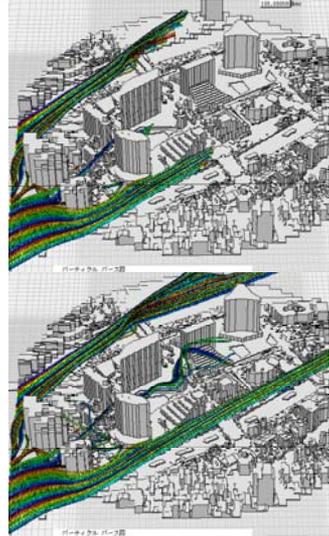
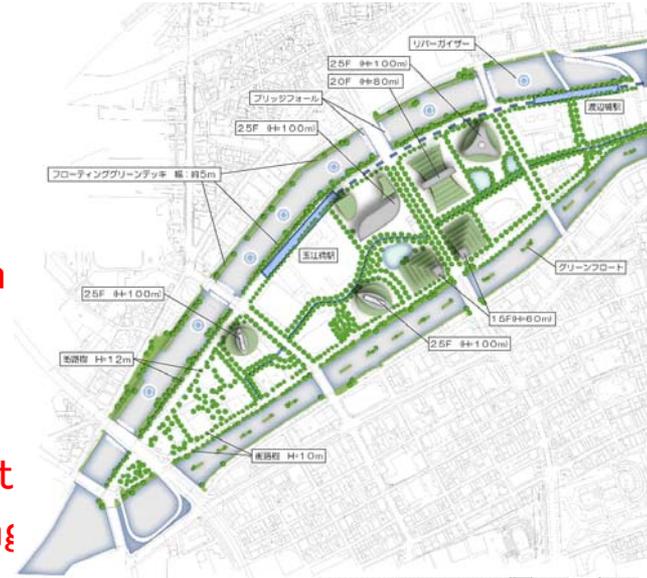
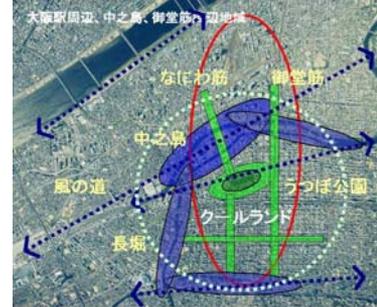
Research proposals evaluation

WG1 : Related materials : reflection heat block /insulation

WG2 : Effective thermal use : latent heat / exhaust heat / energy saving technology

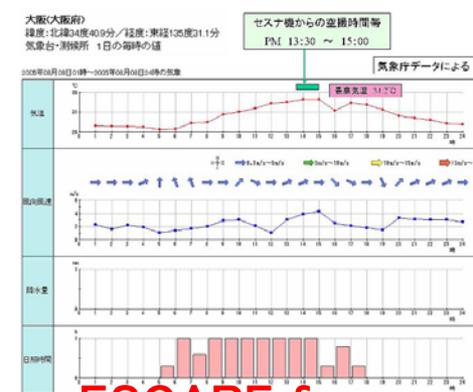
WG3 : Cool Spot creative approach : greening / utilization of water - spray , sprinkle r-

WG4 :Ideal Urban design





- 中之島**
 - 浮島による河川浄化
 - 護岸緑化
 - マイナスイオン
 - 流水発電
 - 雨水還元
 - 風車発電
- COOL LINE**
 - 御堂筋
 - アクアストリーム
- COOL ISLAND2**
 - うつぼ公園
- COOL NETWORK**
 - 道路+公園
 - +ポケットパーク
 - +駐車場
 - +屋上・壁面緑化



ESCAPE from HEAT ISLAND

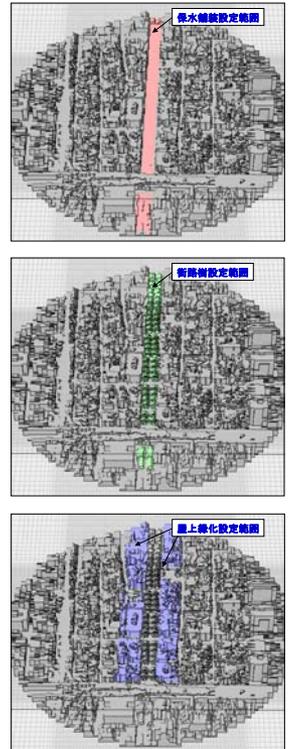
Osaka city centre, environmental thermal eased effects assessment : by the application of thermal simulation technology for HEAT ISLAND.

- 1:Midou-suji/ City center subject analysis results : by the capacity of pavement retained water, shade effect by the roadside tree, the average is about 2 °C, some place up to 8 to 10 °C temperature drop confirmed.
- 2: Nakanoshima/ between two river subject analysis results: Comparison between redevelopment model and present model measures heat island mitigation. 5 °C average temperature drop, some place 10 °C above can be reduced.

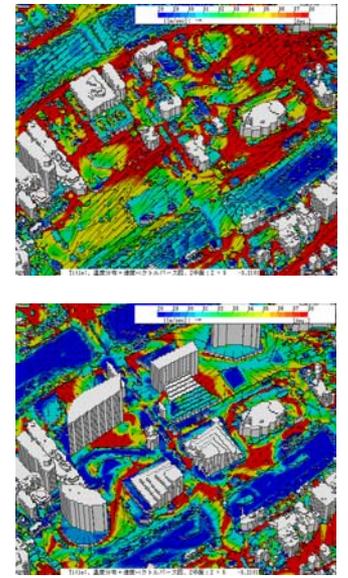
Measures to promote the Heat Island approach by analysis results

it is important to consider the proposed measures after recognize Characteristics of the target area (prevailing wind, the direction of the street, the current land use, etc.)

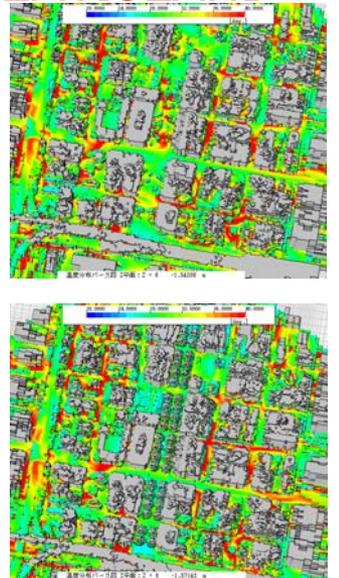
- A. Midou-suji/ City center
- B. Nakanoshima/ between two river



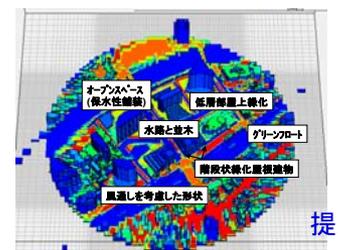
- Pavement Retained Water
- Big Tree /Green Roof



2: Nakanoshima/ between two river analysis results:



1:Midou-suji/City center analysis results



提案発熱条件

COOL HABIT GREEN WORK

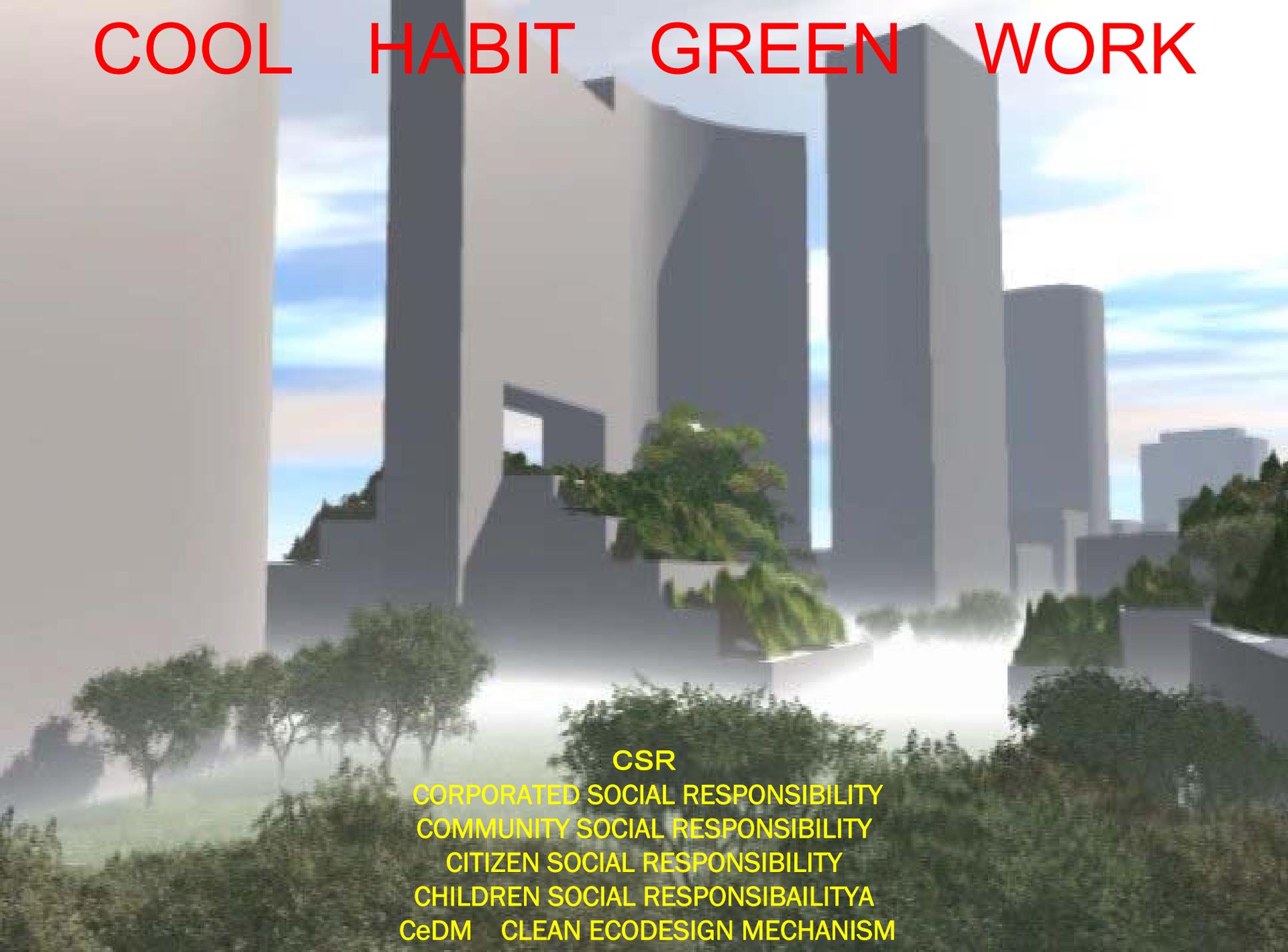


create

COOL SPOT
COOL TUBE
COOL CORRIDOR

大阪GREENBELT

COOL HABIT GREEN WORK



CSR

CORPORATED SOCIAL RESPONSIBILITY

COMMUNITY SOCIAL RESPONSIBILITY

CITIZEN SOCIAL RESPONSIBILITY

CHILDREN SOCIAL RESPONSIBAILITYA

CeDM CLEAN ECODESIGN MECHANISM

太平洋
Pacific Ocean

淡路島
Awaji island

瀬戸内海
The Inland Sea of Japan

関西空港
Kansai Air Port

大阪湾
OSAKA BAY

神戸空港
Kobe Air Port

対象地2: 近郊自然 大阪湾湾岸
targeting 2: NEIGHBORHOOD NATURE OSAKA BAY AREA

未利用な埋立地 約1400ha
Unused land 1400ha

伊丹空港
Itami Air Port

対象地1: 既存都市 大阪市中心市街地
Shin-Osaka station

targeting 1: EXISTING CITY CENTER of OSAKA

SEASIDE FARM

experimental agricultural equipment installation

-Land Report:
experimental equipment
setup for factory farming in
urban areas (improved
unused landfill area)

2:Neighborhood Nature 1



Fixing the amount of CO₂ in the atmosphere by life organisms and resources
Cleaned sea water and an economic base
Revitalization a nature in areas surrounding cities and a city of 10 million people
Creating culture-city by agriculture, forestry and fisheries in its sphere

**Increase amount of sunlight reception, promote photosynthesis,
stabilize and recirculate CO₂/O₂**

Low-energy production of BIO ENERGY crops (sweet potato, etc.)

Increase amount of sunlight reception, promote photosynthesis, stabilize and recirculate CO2/O2

Low-energy production of BIO ENERGY crops (sweet potato, etc.)

GOALS

Discover industrial expansion possibilities of factory-style agriculture on unused land of Osaka Bay coastal area.

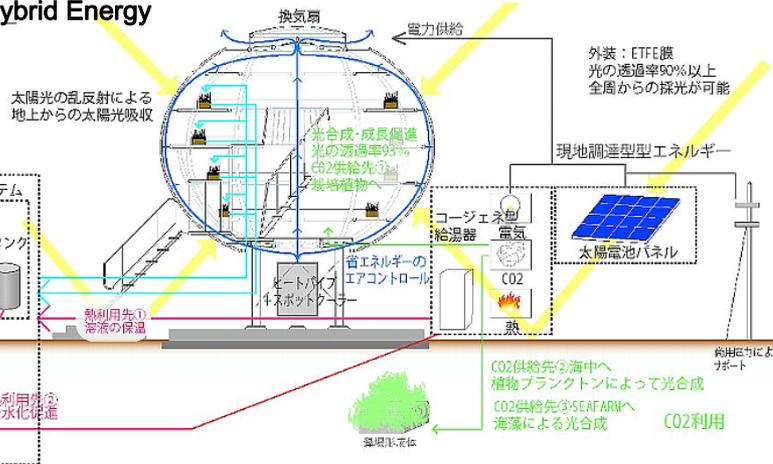
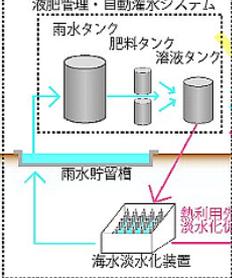
Investigate the application possibilities of bio technology in primary industries

Explore industrial development in areas lacking energy supply through operations using locally procured energy

Land-less Factory-type Vegetation Agriculture Equipment, Efficient Omni-directional Solar Energy Hybrid Energy

- 現地調達型エネルギー
- CO2利用
- 熱利用
- 雨水・海水利用

雨水・海水利用



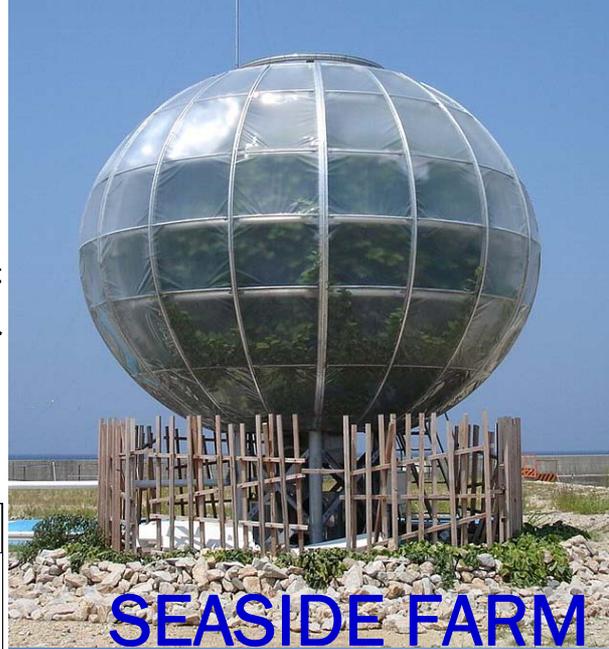
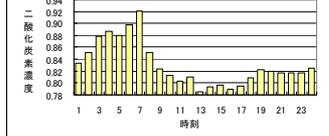
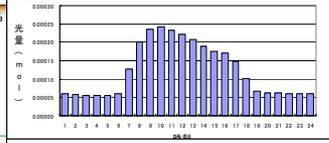
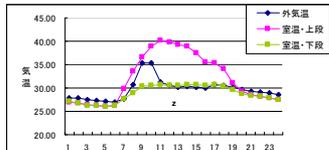
OUTLINE

Dimensions: Φ6m, H = 5m ellipsoidal floating device, steel frame. Dome height: sits 1.7m above ground, omni-directional daylight reception, effective use of solar energy. Dome Outer Membrane: ETFE film (penetration efficiency exceeding 90%, diffusion type, 100% recycled materials)

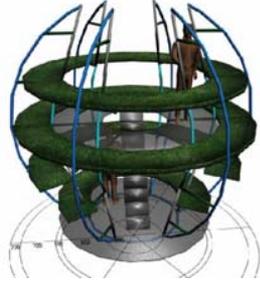
Power: Solar energy + small gas water heater + commercial energy Air conditioning: spot cooler + heat pipe Ventilation: thermo ventilation fan

Water usage/supply: rain water + desalinated seawater (partial) CO2 for vegetation: small gas water heater Agricultural equipment:

4 shelves for edible vegetation, Cultivation method: liquid soil supplied to plants through drip



SEASIDE FARM success rate for projected installation area
 Shelf agriculture success rate = 1.75 Spherical surface acre = 3.50
 2005/10/29 Harvest: total weight incl. leaves and stems = 110 kg
 Effect of CO2 Supply: 1.3 – 4.0 increase





SEASIDE FARM₂₀₀₅



2: Neighborhood Nature 2



SEAFARM 2005-2008 OSAKA



BASE of OSAKA URBAN SEA RESORT
With VARIETY of SEA LIFE FORMS

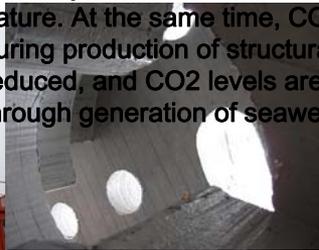
SEAFARM

GOALS

Use the power of life forms themselves to revitalize the rich nature of Osaka Bay and recover marine life
 Utilize the current fisheries, etc. in Osaka Bay as momentum to turn the bay into major center of marine industry.
 Realize the Grand Design of turning the Osaka region into an URBAN SEA RESORT.
 Facilitate habitation of various living organisms in tidal flats, shallow areas, fishing grounds, and seaweed beds.
 Use the food chain to stabilize carbons (reduce global-warming factors such as gas emissions).
 Use recycled materials with high adhesive features to enhance incrustation of living organisms (ph8.5, carbon stabilization due to re-generation).
 Sanitize marine area through living organisms and plants.

OUTLINE

Dimensions (upper section): $\Phi 3m$, $H = 1.7m$
 conical body
 Materials: solid steel structure of hydration slag. Place granulated blast furnace slag encasing material and steel slag clusters → create tidal lands and shallow water areas
 Seaweed Bed Structure (substratum): $W 1m \times D 1m \times H 0.5m$
 Materials: Steel slag of carbonated solid
 The combination of the three recycled materials - steel hydration slag structure, granulated blast furnace slag encasing, and steel slag of carbonated solid - is aimed at promoting marine life attachment and recovery and the revitalization of marine nature. At the same time, CO2 emissions during production of structural materials is reduced, and CO2 levels are stabilized through generation of seaweed beds.

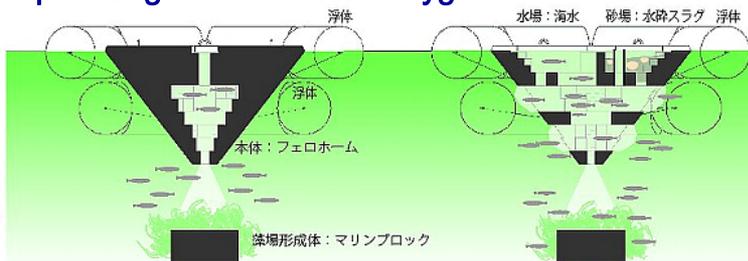
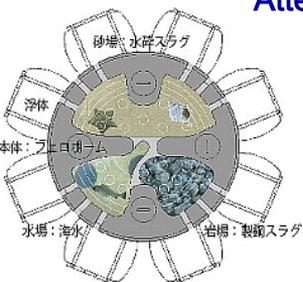
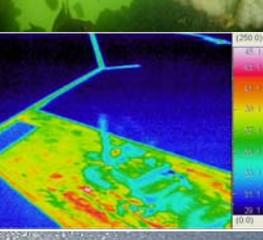
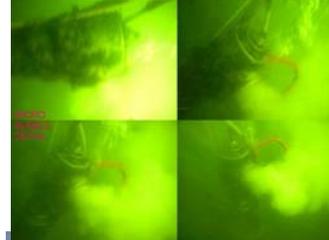


SEA FARM Marine Life Recovery Equipment

Rapid organism habitat development through eco-material predisposed to living organism incrustation.

Stabilize CO2 emissions through algae breeding, etc.

Attempt to augment dissolved oxygen.



recycled resource — urban mine
artificial works — eco products

HYBRID

ESCAPE from
HEAT ISLAND

reflection
thermal
transportation
retained water
micro climate
green
cool spot

Circulation-Oriented Revitalization of
Existing City & Neighborhood Nature

HUMAN SCALE

urban forest
park street

EXISTING
CITY

URBAN
AGRICULTURE
FISHERY
FORESTRY

COOL
GREEN

absorbed CO2
photosynthesis
supply O2

material
foods
energy

URBAN
RESORT

NEIGHBORHOOD
NATURE

on land
CULTURE FARM

at sea
FISH FARM

food chain

marine & land
biomass
seafood
algae
plant
forest

NATURE SCALE

WITH LIFE FORMS

bay area
river
farmland
hill
mountain

SOLAR SYSTEM

LIFE FORMS
CONTROL

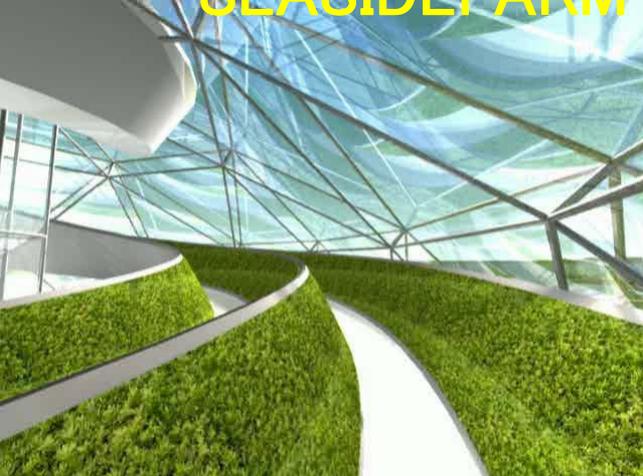
TEMPERATURE
CONTROL

GREEN
CONTROL

ENERGY
CONTROL



SEASIDE FARM



SEA FARM



2階建て×2両連結 燃料電池エコロジーバス
2×2 FUEL CELL ECOBUS
Naniwa Suzy

国際集客都市OSAKAのシンボルトランスポーター
 観光ビジターの視点を意識した2×2デザインソリューション
 ユビキタス・オンデマンド・システムによる誰もが使える交通システムを
 そして、地下鉄よりもはるかに低い環境負荷を目指して



everywhere, everything Ubiquitous Eco Design

FROM CITY CENTER OSAKA & HARBOUR SIDE OSAKA

ecoo EXISTING CITY
 NEIGHBOURHOOD NATURE
 OSAKA MODEL 既存都市・近郊自然の調和型国土大設計モデル



MARINE PLANTATION SYSTEMS

マリンプランテーションシステム

TRANSFER PEOPLE'S ACTIVITY

for

ECOLOGY ,NEW INDUSTRY ,NEW CULTURE,
NEW SHOPPING ,NEW SIGHT SEEING,
NEW BUSINESS

with

GOOD INFORMATION,
CIRCULATION CONCEPT,
GLOCAL LIFE STYLE

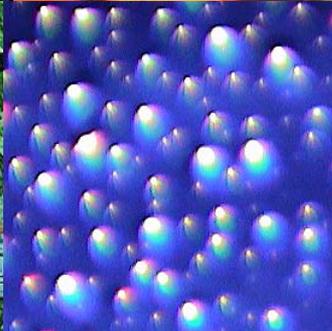
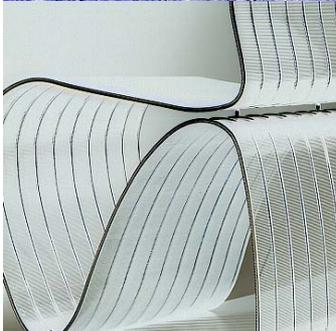


NATURE

ART

DESIGN

SCIENCE



CHANGE-TRANSFER

LED LAMP SYSTEM CAN SAVE 80% ENERGY with EMOTION



DESIGN as FACTOR TECHNOLOGY 1



H 3420
W 420
D 360

LED
LAMP

UPPER
R 12W
G 28W
B 18W

total 58W

LOWER

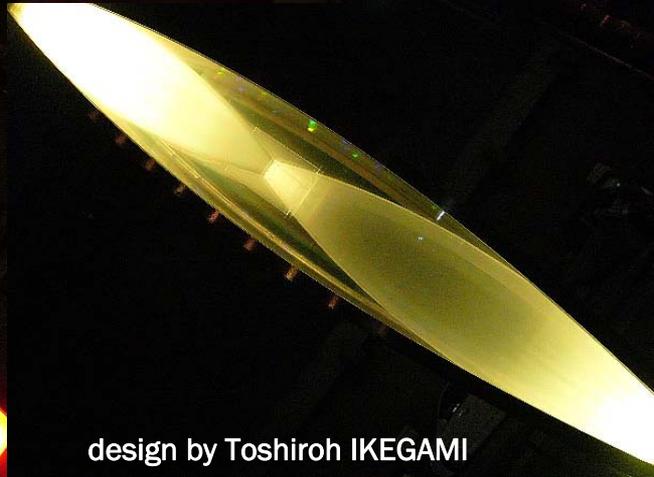
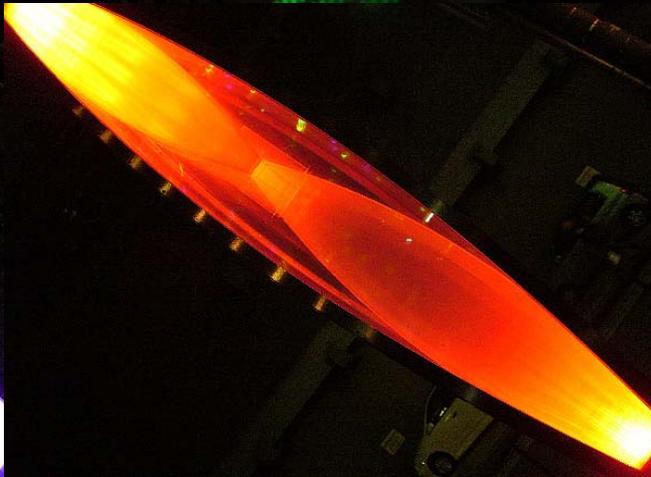
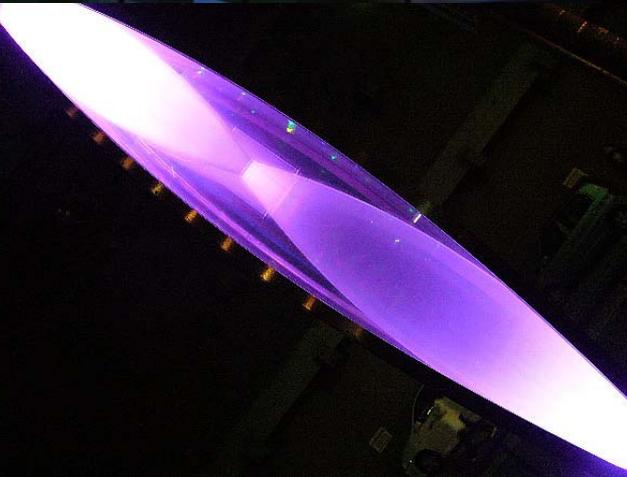
R 2W

G 3W

B 2W

total 7W

TOTAL 65W



design by Toshiroh IKEGAMI

遗址公园将成西安绿肺

——日本建筑设计大师池上俊郎畅谈大明宫遗址保护

大明宫



千年后的发展。大明宫遗址这么大体量的保护对西安市的影响也应该考虑到一千年后，它的时间跨度6000~8000年的时空跨度。大明宫的位置处于西北邻，也有低矮棚户区将变成高楼林立的发展，开展好与坏，对其的研究开发保护利用要充分考虑到其变化，就将会会毁于城市的自然发展。要营造的美丽，最重要的是它的文脉，就像一本小说的线索一样，城市也有它的文化脉络，设计城市如同一样也要有自己的风格自己的脉络。对西安来说，既有明清时代如钟鼓楼等古建筑，也有众多遗迹，还有现代飞速发展的城市，这就看如何去编大明宫这样的大面积古遗址，它的特殊性和世界上是绝无仅有的，它的遗迹以古代外轮廓完整下来，它又处于200万人口的大城市中心。

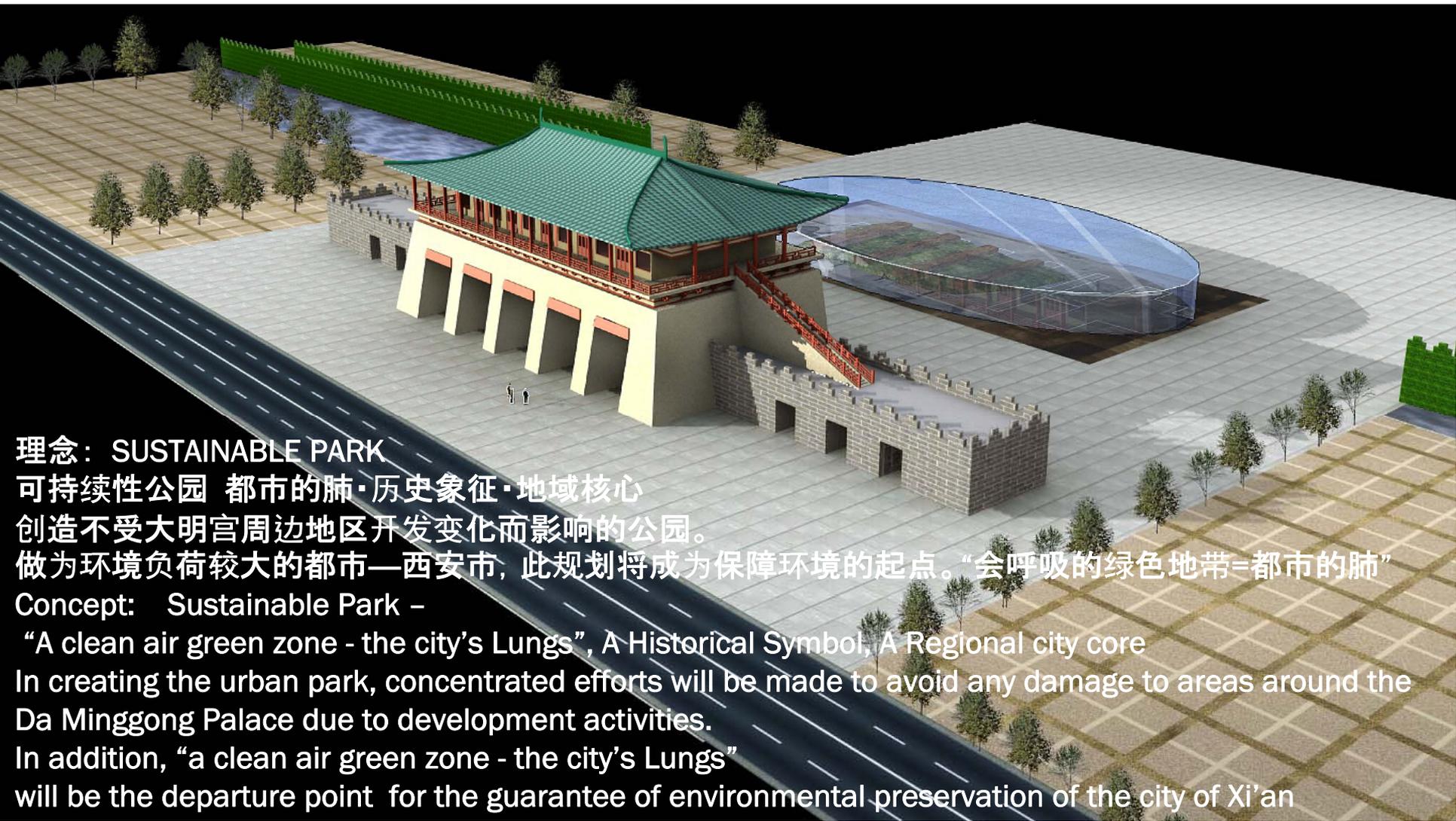
DESIGN as FACTOR TECHNOLOGY 2



中国 西安 唐大明宫国家遗址公园策划 2007
Pilot Plan of Da Minggong Cultural National Historical Park XI'AN CHINA 2007

未来的历史保存和持续性发展的起点 进化和遗产·文化和美学

The Starting Point for the Historical Preservation and Sustainable Development Progress & Heritage...Culture & Aesthetics



理念：SUSTAINABLE PARK

可持续性公园 都市的肺·历史象征·地域核心

创造不受大明宫周边地区开发变化而影响的公园。

做为环境负荷较大的都市—西安市，此规划将成为保障环境的起点。“会呼吸的绿色地带=都市的肺”

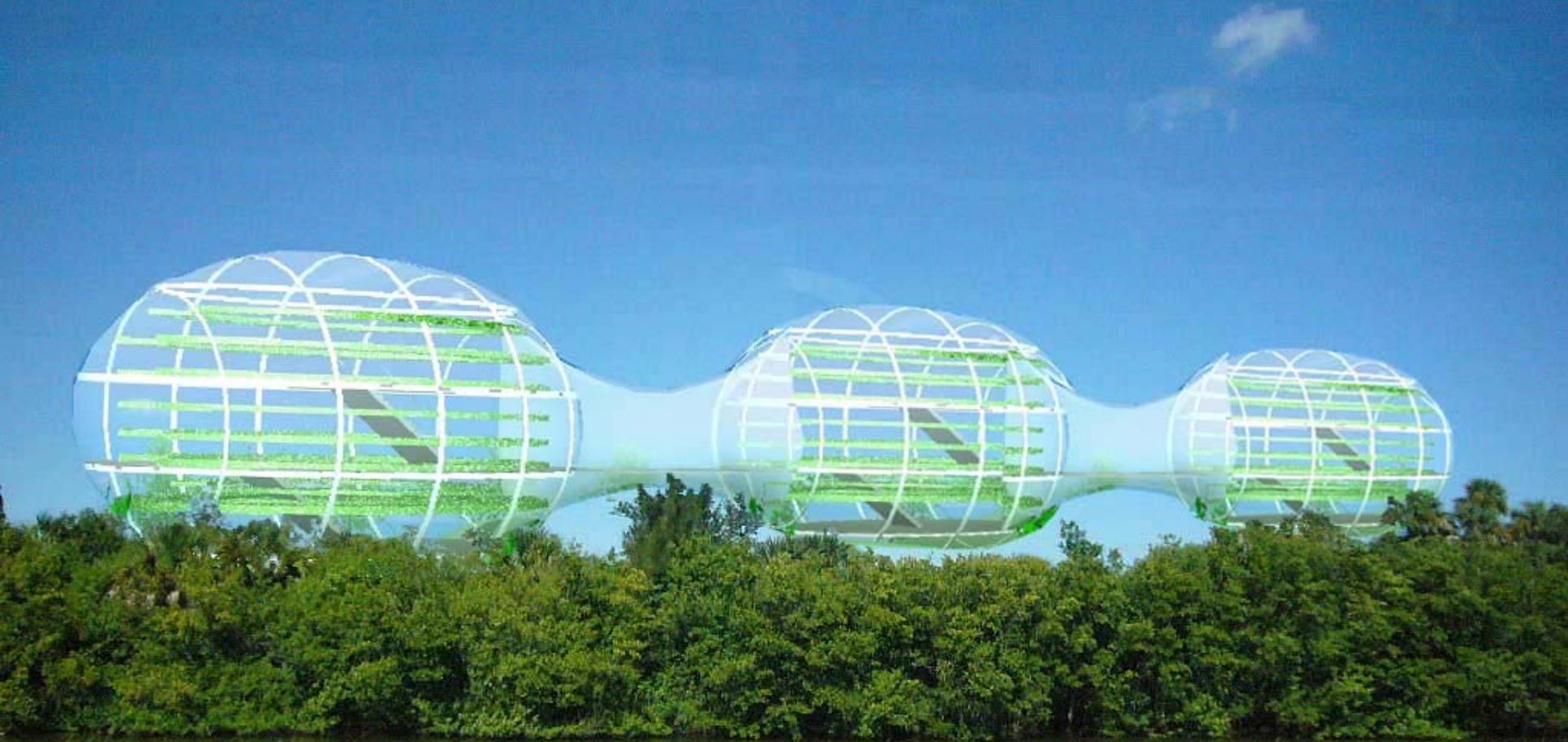
Concept: Sustainable Park -

“A clean air green zone - the city's Lungs”, A Historical Symbol, A Regional city core

In creating the urban park, concentrated efforts will be made to avoid any damage to areas around the Da Minggong Palace due to development activities.

In addition, “a clean air green zone - the city's Lungs”

will be the departure point for the guarantee of environmental preservation of the city of Xi'an



CULTURE FARM 2007

FOODS+MATERIALS+ENERGY

MATERIALS means BIO PLASTIC, MEDICINE, etc

ENERGY means ALCOHOL

MONGOLIA

MOUNTAIN

RIVER SIDE

STEPPE



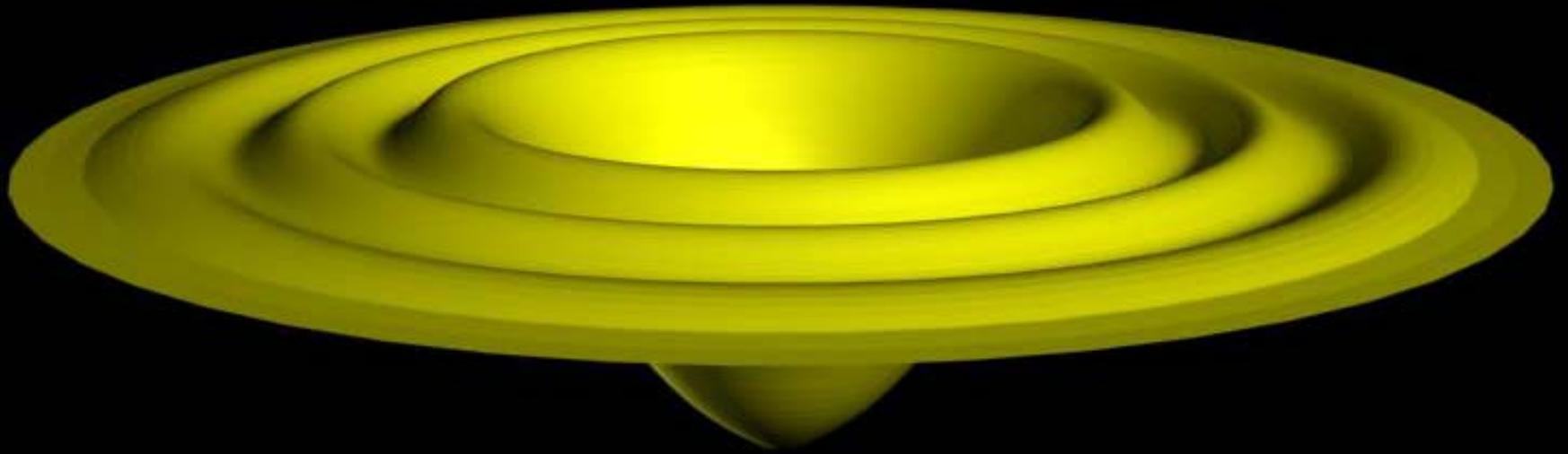
DESIGN as FACTOR TECHNOLOGY 3



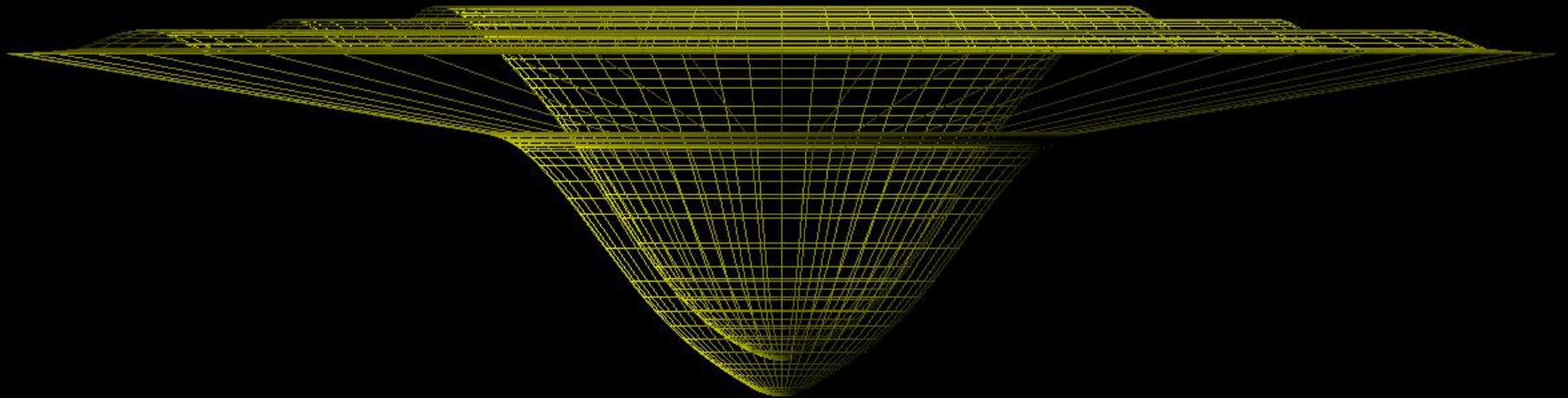
SEASIDE FARM II SEASIDEFARM → STEPPE GREEN FARM



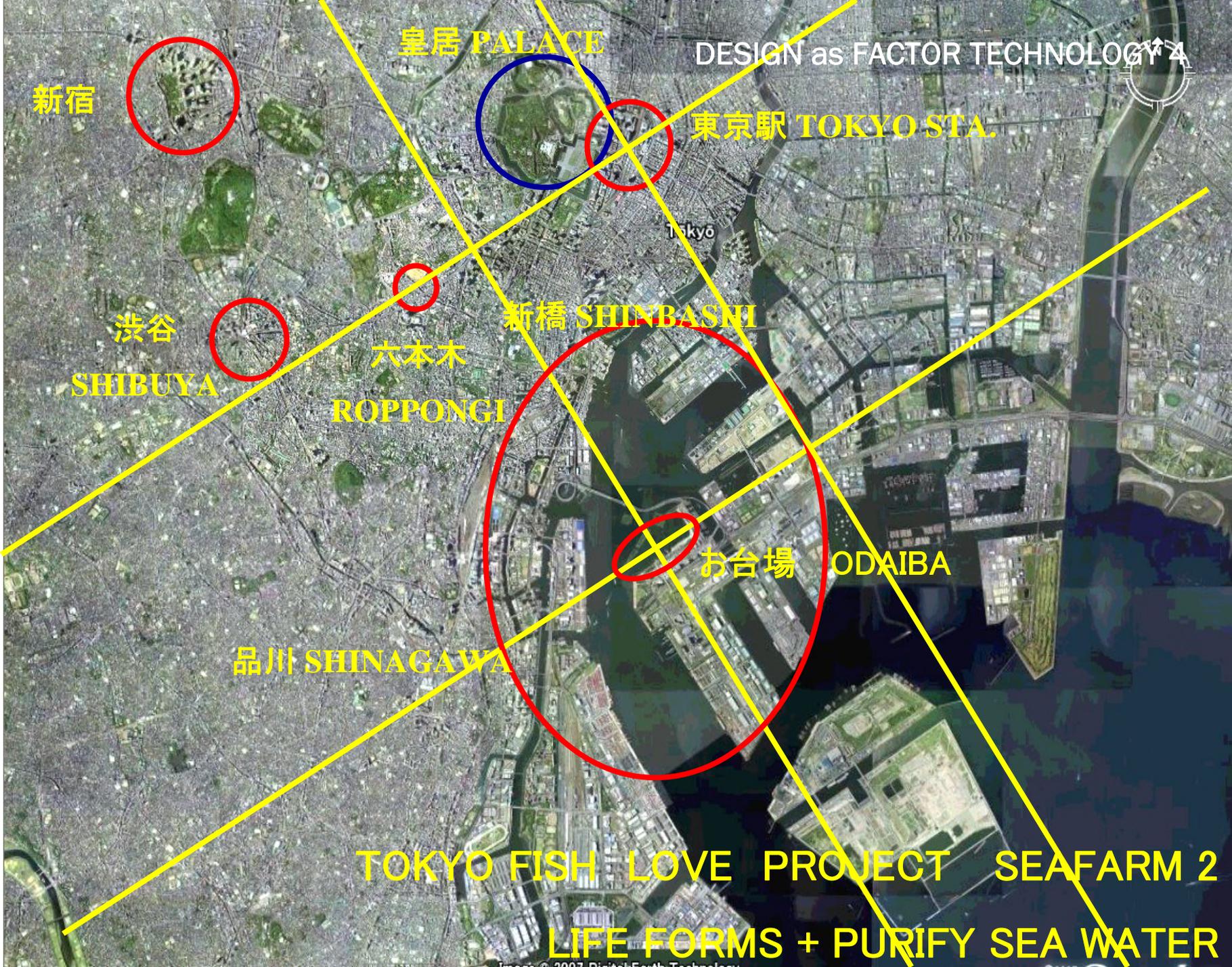
SEASIDEFARM → RIVERSIDE GREEN FARM



DESIGN as FACTOR TECHNOLOGY 4



TOKYO FISH LOVE PROJECT SEAFARM 2 / LIFE FORMS + PURIFY SEA WATER



皇居 PALACE

DESIGN as FACTOR TECHNOLOGY 4

新宿

東京駅 TOKYO STA.

渋谷

新橋 SHINBASHI

SHIBUYA

六本木

ROPPONGI

お台場

ODAIBA

品川 SHINAGAWA

TOKYO FISH LOVE PROJECT SEAFARM 2

LIFE FORMS + PURIFY SEA WATER



**SINGAPORE 2006 SUMMER
WITH
GREEN WATER SHADE**

**AGE OF
LANDSCAPE DESIGN**



2004

**for
SUSTAINABLE REGION & PLANET**

PORTLAND



NEWYORK

DESIGN as FACTOR TECHNOLOGY 5



DESIGN as FACTOR TECHNOLOGY 5



LIVING with NATURE in CITY CENTER



DIFFERENT SETTINGS in USA

NEWYORK CENTRAL PARK 2004



COOL

Ubiquitous Eco Design
everywhere, everything

Study of existing city & neighborhood nature
model of city oriented society through

生命体とともにある都市のエコロジカルデザイン



HABIT

edited by Tomonori NAGAMI

Based on results from JAPAN SCIENCE and TECHNOLOGY AGENCY (JST)



デザイナーはデザインの持つ構想力、技術力、感性の統合力を生かし提案する。

WORK



with EVERY BEINGS

DWELL



Ecodesign is design itself

How to use LIFE FORMS POWER

with VERSION UP

INTEGRATED DESIGN MANNER from LCA & HUMAN MEDIA

Progress & Legacy, Culture & Aesthetics

THANKS 謝謝