

CONCEPT

VOL. 122

International Magazine of Competition CA 193244 June, 2009



The Regeneration of Slussen International Competition

Myongji University Chapel Kim, Seok-chul

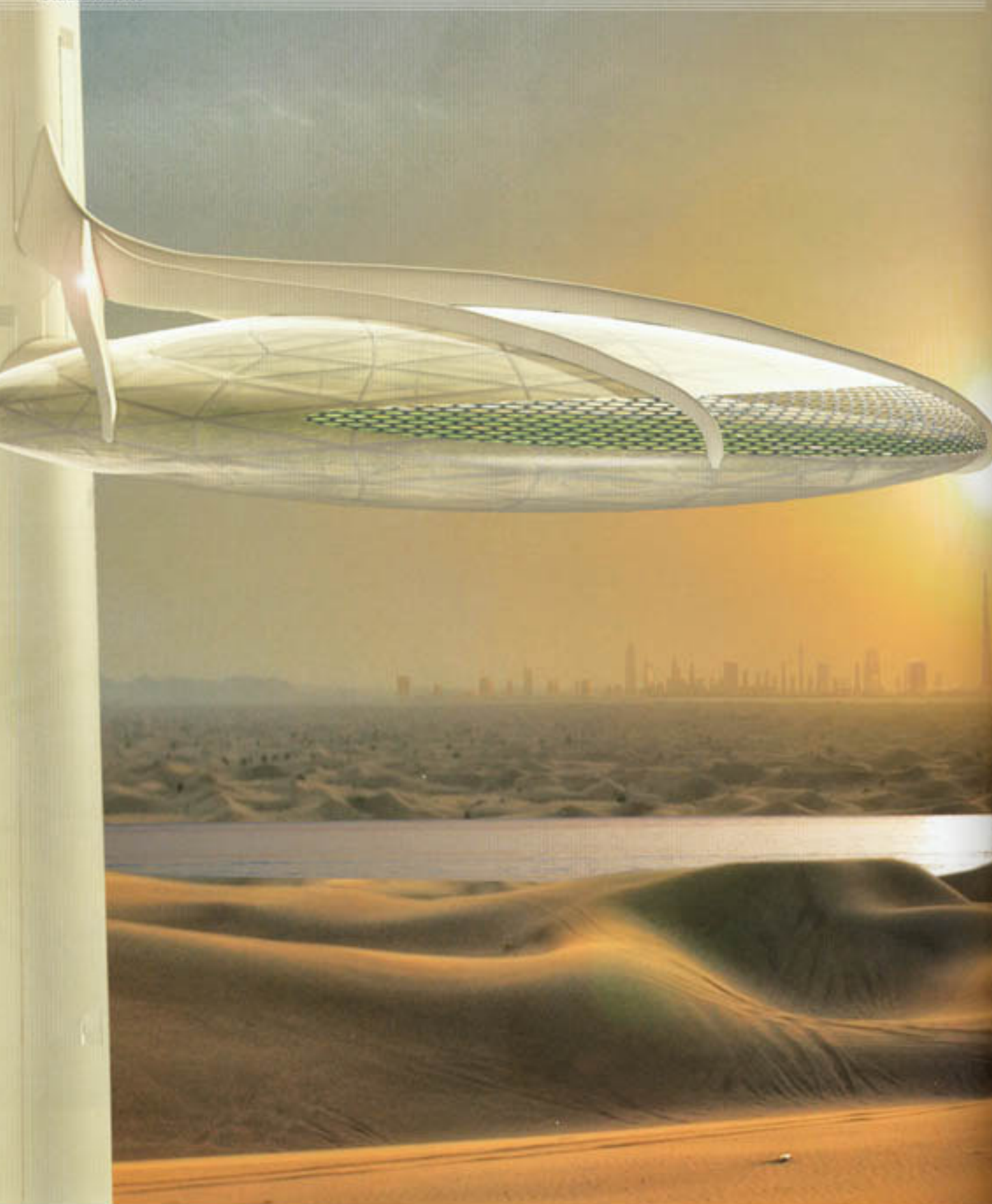
Nestlé Application Group Querétaro Rojkind Arquitectos

Dogok-1 Cultural Center WON YANG



Vertical Farm Dubai Uses Seawater, UAE

Studiomobile





두바이에 위치한 해수 수직 농장은 담수 및 지역 채소의 부족, 끔찍한 도시 교통, 수송 문제, 높은 토양가치 문제를 해결하기 위해 계획된 최초의 집약 경작 형태의 도시 설계안이다. 이것은 5개의 나뭇가지 형태에 고정된 5개의 고치형 온실을 통해 이루어진다. 고치형 온실은 알맞은 해수를 수송하고 분무하여 적도지대의 환경처럼 식물에 습하고 차가운 흐름을 유지시킨다. 온실은 건강 구조 및 물리에달린 덮개로 구성된다. 이것은 자외선을 반사하고 적외선을 흡수하는 성질을 포함하도록 특별히 처리되며, 사용수명이 끝날 때 100% 재활용될 수 있다. 해수 증발기는 저렴하고 놀라울 정도로 효과적인 판지로 만들어진다. 해수 증발기는 해수로부터 탄산칼슘을 결정화하여 조개처럼 경화시킨다. 진행공정은 제어 가능하며, 결과는 증발기 수명이 거의 무기한으로 연장될 수 있다.

The Seawater Vertical Farm is set in Dubai where the lack of fresh water and of local vegetables, the awful urban traffic, the transport problem and the high soil value makes realistic the idea of using some urban plots for intensive cultivation. The design of the Seawater Vertical Farm is quite simple. It provides for five cocoon-greenhouses fixed to five branches that also transport and nebulize the seawater creating a humid and cool flow, ideal for the plants, like the environment of the equatorial forest. The greenhouses are composed by light steel structure and polyethylene covering. It is specially treated to incorporate ultraviolet-reflecting and infrared-absorbing properties and can be 100% recycled at the end of their useful life. The seawater evaporators are made of cardboard sheets, cheaper and surprisingly effective. They crystallise calcium carbonate from the sea water and harden like sea shells. The process is controllable and the results indicate that the life of the evaporators can be extended almost indefinitely.

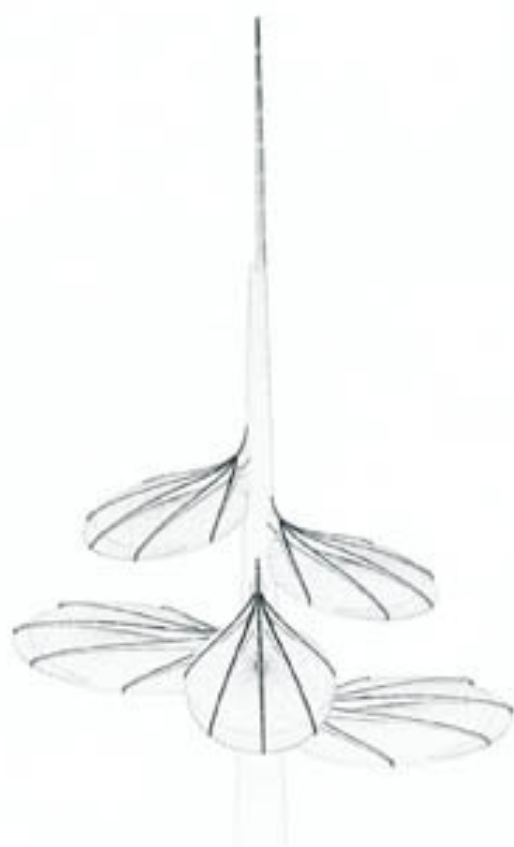
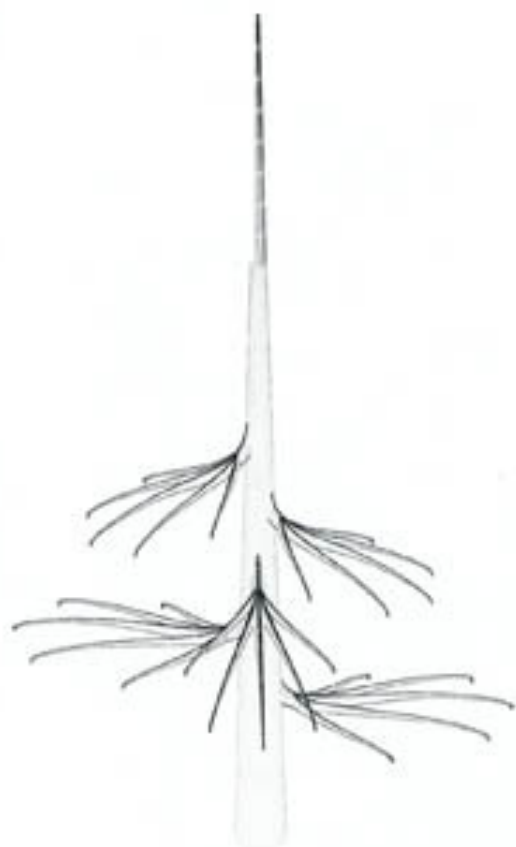
Written by Studiomobile



Site Plan

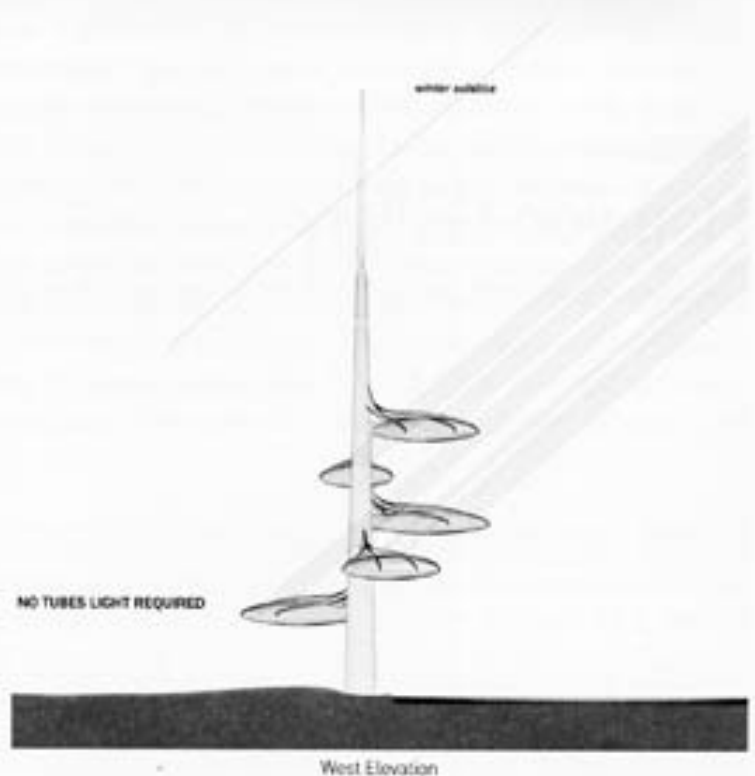


acts Studiomobile Use Urban Development of Farm Site
1,500m² Bldg. Area 10,000m² Bldg. Scale 5 Stories above
st. 2 Stories below Ground Structure Concrete Max.
1,250m



Axonometric





height 300.00 meters

height 240.00 meters

5th crops level
mango, carrots, green beans

height 150.00 meters

4th crops level
peach, thymus, basil

height 122.53 meters

3rd crops level
spinach, soybeans, peppers

height 95.68 meters

2nd crops level
strawberries, wheat

height 70.00 meters

1st crops level
tomatoes, cucumber, tomatoes

height 42.80 meters

SERVICE CORE

- services elevators
- electrical ducts

SKIN SYSTEM

- seawater vertical tubes

BRACKETS SYSTEM

- seawater vertical tubes

seawater creeks

South Elevation (Tower Levels Crops)


Martin Robain _ AS, Architecture Studio / Shidai Tower

Around its 12 partners AS, Architecture Studio brings together several teams of architects, urban planners, designers, interior designers and economy planners of various nationalities. This collective dimension enhances the group's dynamic strength. In our opinion, architecture is primarily a social item, a consequence of both conflicts and compromise. Architecture is the result of the contradictory dialogue between economical, cultural and social interests which are interacting for each project. This choice of a natural melting pot will go beyond individuality. Confrontation and dialogue also determine the philosophy of AS, Architecture Studio. The international presence of AS, Architecture-Studio is particularly strong in China, where we have two permanent agencies (Shanghai and Beijing).


Gert Wingårdh _ Wingårdhs Arkitektkontor AB / The Regeneration of Slussen

Wingårdhs is the generic name for Wingårdh Arkitektkontor AB and Wingårdh and Medarbetare AB. Gert Wingårdh, architect SARMSA, and CEO is owner and manager. The office is today among the five largest architect groups in Sweden, and among the ten largest in the Nordic Region. This falls well in line with the target set in the office's general objective; that we must be one of Scandinavia's leading architect offices. Wingårdh Arkitektkontor AB has been operating in Göteborg since 1977 and in Stockholm since 1985.


Arnis Dimins & Brigita Barbale _ Substance / Sports ground for Majori Primary school

Arnis Dimins _ In 1993 Arnis joined a leading Latvian architectural bureau Arnis SIA. In 2000 Arnis received the Best Designs in Latvian Architecture 2000 Award for the office building at Palasta street 7 in Riga. In 2000 Arnis established his own bureau Substance SIA.



Brigita Barbale _ In 2000 Brigita joined architectural bureau Substance SIA. In 2006 Brigita joined architectural bureau Balta istaba SIA. From 2008 Brigita worked for architectural bureau V. Neivands arhitekts IK.


Kim, Seok-chul _ ARCHIBAN Seok Chul Kim & Partners / Myongji University Chapel

Kim, Seok-chul is the Principal Architect of ARCHIBAN Seok Chul Kim & Partners and the Chair-Professor of School of Architecture, Myongji University. For last ten years, he has been the Professor or Visiting Professor of IUAV, Columbia University, Tsinghua University and Chongqing University. He has received numerous national awards such as the first KIRA Award (Grand Prize), international awards such as Antron Design Award (Grand Prize), IMM Awards, ARCASIA Awards (Gold Medal) etc.


Cristiana Favretto, Antonio Girardi _ Studiomobile / Seawater Vertical Farm

Studiomobile is an architecture design firm, founded by Cristiana Favretto and Antonio Girardi architects and based in Venice, Italy. Studiomobile conceives the design as a multitasking field where architecture mixes with urban planning, concept design and marketing strategies. It is mobile because it uses different skills and drive their overlap. Studiomobile collaborates with big firms working on architecture, landscape, retail and communication tactics.


Sasa Begović, Marko Dabrović, Tatjana Grozdanic Begović, Silvije Novak _ 3LHD / Polyclinic Center

3LHD is a multidisciplinary architectural practice, focused on integrating various disciplines - architecture, urban planning, design and art. 3LHD architects constantly explore new possibilities of interaction between architecture, society and individuals. With contemporary approach, the team of young architects resolves all projects in cooperation with many experts from various disciplines. Projects, such as Memorial Bridge in Rijeka, Croatian Pavilion in EXPO 2005 in Japan, Riva waterfront in Split, the study for Bale/Walle and Sports Hall Bale in Istria.


Michel Rojkind Halpert _ Rojkind Arquitectos / Nestlé Application Group Querétaro

Michel Rojkind was born in Mexico City where he studied architecture and urban planning at the Universidad Iberoamericana. After working on his own for several years, he teamed up with Isaac Brod and Miquel Adria to establish Adria+Brod+Rojkind (1998-2002). With the idea of exploring new challenges that address contemporary society, to design compelling experiences that go beyond mere functionality, and to connect at a deeper level with the intricacies of each project, he established an independent firm rojkind arquitectos(2002).


Fredrik Kjellgren, Joakim Kaminsky _ Kjellgren Kaminsky Architecture / Super Sustainable City

Kjellgren Kaminsky Architecture is a new architecture firm based in Göteborg, Sweden. We work with architecture in its broadest meaning ranging from furniture to city planning, from theory to practice. Kjellgren Kaminsky Architecture is a network based company. For every project competences from different fields are fused. The core is made up of the two founders and their skills in architecture and interior design. They are complemented with the financial and communicational competence of the board.


Lee, Myoung-ju _ Institute of Zero Energy Design, Myongji University / Heawoo Gallery

She graduated from Myongji University (bachelor), Hongik University (master), and Berlin University of Technology (Dipl.-Ing. in architecture), and then acquired a qualification for German architect while working at German GKK Architectural Design Office. Currently, She is an associate professor in architecture at Myongji University, operating the Zero Energy Design Research Institute. At present, She is carrying out 'a research project for realizing a zero energy residence for fishing and agrarian villages and preparing a standard design through a hybrid solar using design' ordered by the Ministry of Environment.