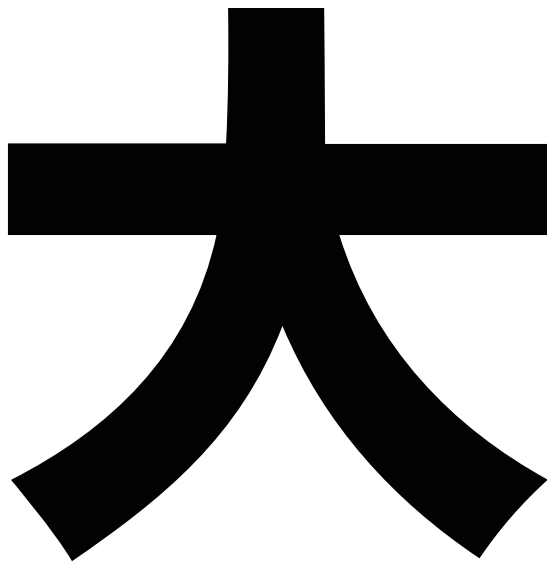




# BIG PROFILE

BIG is a Copenhagen and New York based group of architects, designers, builders and thinkers operating within the fields of architecture, urbanism, research and development. The office is currently involved in a large number of projects throughout Europe, North America, Asia and the Middle East. BIG's architecture emerges out of a careful analysis of how contemporary life constantly evolves and changes. Not least due to the influence from multicultural exchange, global economical flows and communication technologies that all together require new ways of architectural and urban organization. We believe that in order to deal with today's challenges, architecture can profitably move into a field that has been largely unexplored. A pragmatic utopian architecture that steers clear of the petrifying pragmatism of boring boxes and the naïve utopian ideas of digital formalism.

In our projects we test the effects of size and the balance of programmatic mixtures on the triple bottom line of the social, economic and ecological outcome. Like a form of programmatic alchemy we create architecture by mixing conventional ingredients such as living, leisure, working, parking and shopping. By hitting the fertile overlap between pragmatic and utopia, we architects once again find the freedom to change the surface of our planet, to better fit contemporary life forms. In all our actions we try to move the focus from the small details to the BIG picture.



Photo Ty Stange

# of fice organisa t ion

BIG is a stock based corporation (A/S) with a board of directors consisting of Creative Director and Founding Partner Bjarke Ingels in collaboration with Christian Madsbjerg, Niels Koggersbøl, and CEO Sheela Maini Søgaard. This team determines BIG's strategic long-term goals that are then carried out in the everyday management conducted by Sheela Maini Søgaard and Bjarke Ingels. In 2009 BIG extended the management to include five new Creative Partners: Andreas Klok Pedersen, David Zahle, Finn Nørkjær, Jakob Lange and Thomas Christoffersen and two new Managing Partners: Sheela Maini Søgaard and Kai-Uwe Bergmann, Director of Business Development.

With 5 Creative Partners and Bjarke Ingels in the Creative Director role, BIG will for each project assign a partner in charge to lead and guide the creative process to ensure the high quality of our work. BIG employs 96 architects, construction architects and design assistants and the daily management of each commission follows either a flat or hierarchically structured team set-up according to the character of the project. When required for a commission we will embed experts and specialists into the team to help us find the best solution. To facilitate the primary running of the company, BIG makes use of an in-house IT-department, a communication department, accounting, and administrative assistants.





VM

**PROJECT** VM HOUSES,

**PROGRAM** 230 RESIDENCES

**CLIENT** HØPFNER, DANISH OIL COMPANY

**COLLABORATORS** JDS, MOE & BRØDSGAARD

**SIZE** 25.000 M<sup>2</sup>

**COST** €22 MILLION, \$29.5 MILLION, CNY 222 MILLION

**LOCATION** COPENHAGEN, DK

**STATUS** COMPLETED IN 2005

**PRIZES** FORUM AWARD, MIES VAN DER ROHE SPECIAL MENTION,  
COPENHAGEN MUNICIPALITY PRIZE FOR BEST BUILDING 2005

### If people are different, why are all apartments the same?

Considering daylight, view and privacy we oriented the buildings away from one another shaping a traditional housing block into the letters V and M. The result is a diverse mosaic of more than 80 different apartment types - a three-dimensional Tetris.



Photo Johan Fowelin





**PROJECT** MOUNTAIN

**PROGRAM** 80 RESIDENCES, PARKING & RETAIL

**CLIENT** HØPFNER, DANISH OIL COMPANY

**COLLABORATORS** JDS, MOE & BRØDSGAARD, SLA

**SIZE** 33.000 M<sup>2</sup>

**COST** €33.5 MILLION, \$45 MILLION, CNY 338 MILLION

**LOCATION** COPENHAGEN, DK

**STATUS** COMPLETED 2008

**PRIZES** WAF HOUSING AWARD, MIPIM HOUSING AWARD,  
FORUM AID ARCHITECTURE AWARD, ULI AWARD OF EXCELLENCE

### How can you combine the splendors of the suburban backyard with the social intensity of urban density?

We have breathed new life into the average parking garage known for its cramped height by creating a car parking cathedral and allowing it to serve as the foundation for 10.000m<sup>2</sup> of housing. A terraced green mountainside of single family homes resting on the colorful foundation of contemporary car culture.



Photo: Henrik Boserup





8

**PROJECT** 8 HOUSE

**PROGRAM** 475 RESIDENCES, RETAIL & OFFICES

**CLIENT** ST. FREDRIKSLUND

**COLLABORATORS** MOE & BRØDSGAARD, KLAR

**SIZE** 60.000 M<sup>2</sup>

**COST** €80 MILLION, \$107.3 MILLION, CNY 807.8 MILLION

**LOCATION** COPENHAGEN, DK

**STATUS** COMPLETED SEPTEMBER 2010

**PRIZES** SCANDINAVIA'S BEST GREEN ROOF 2010

The 8 House is located in Orestad, Copenhagen. As the last block in the new neighborhood it sits on the outer edge of the city, overlooking the vast plains of Kalvebod Common. 3D urbanism rather than a traditional block, the 8 House stacks all ingredients of a lively urban neighborhood into horizontal layers of typologies living and working connected by a continuous promenade and cycling path up to the 10th floor penthouse.



Photo Jen Linde





mar

**PROJECT** MARITIME YOUTH HOUSE

**PROGRAM** YOUTH HOUSE AND SAILING FACILITIES

**CLIENT** KVARTERLØFT, L.O.A. FUND, COPENHAGEN MUNICIPALITY

**COLLABORATORS** JDS, BIRCH & KROGBOE

**SIZE** 2.000 M<sup>2</sup>

**COST** €1.2 MILLION, \$1.6 MILLION, CNY 12.1 MILLION

**LOCATION** COPENHAGEN, DK

**STATUS** COMPLETED 2004

**PRIZES** MIES VAN DER ROHE AWARD SPECIAL MENTION, AR+D AWARD,  
WOOD AWARD, CPH AWARD FOR ARCHITECTURE, EUROPEAN ARCHITECTURE AWARD

### How to turn the problem of a polluted site into an architectural advantage?

A third of our budget was allocated to remove polluted topsoil. By covering the site with a wooden deck we could leave the soil where it was and invest the money into the building rather than removing the site's topsoil. The result is a public landscape of social functions surrounded by water on all sides.







**PROJECT** COPENHAGEN HARBOUR BATH

**CLIENT** COPENHAGEN MUNICIPALITY, L.O.A. FUND

**COLLABORATORS** JDS, CC DESIGN

**SIZE** 1.600 M<sup>2</sup>

**COST** €580.000, \$780.000, CNY 5,8 MILLION

**LOCATION** COPENHAGEN, DK

**STATUS** COMPLETED 2003

**PRIZES** IOC BEST PUBLIC RECREATIONAL FACILITY SPECIAL MENTION,  
EUROPEAN PRIZE FOR URBAN PUBLIC SPACE

## How can you expand the public domain beyond the boundaries of dry land?

After liberating the harbour from the heavy marine industry of the past, we took all the ingredients of a public park and placed them on the water. The people of Copenhagen can now go for a swim in the middle of the city!



Photo: Casper Dalthoff





sja

**PROJECT** SJAKKET YOUTH CENTRE

**PROGRAM** SPORTS FACILITIES AND MUSIC STUDIO

**CLIENT** SJAKKET YOUTH CENTRE, REALDANIA, L.O.A, EGMONT FUND,  
NATIONAL HEALTH INSURANCE FUND

**COLLABORATORS** JDS, BIRCH & KROGBOE

**SIZE** 2.000 M<sup>2</sup>

**COST** €2 MILLION, \$2.7 MILLION, CNY 20,2 MILLION

**LOCATION** COPENHAGEN, DK

**STATUS** COMPLETED 2007

**PRIZES** CONTRACT WORLD BEST INTERIOR IN EDUCATION 2<sup>ND</sup>

The vaults of a former factory are given new functions: one filled, the other emptied. A half pipe sun deck is wedged between the two barrel vaults. A sound studio bridges the two vaults, like a beat box beacon to draw in the youth of the area.



Photo Tobias Toyberg





PSY

**PROJECT** PSYCHIATRIC HOSPITAL

**CLIENT** FREDRIKSBOG COUNTY, HELSINGØR HOSPITAL

**COLLABORATORS** JDS, NCC, MOE & BRØDSGAARD

**SIZE** 6.000 M<sup>2</sup>

**COST** €7.2 MILLION, \$9.7 MILLION, CNY 72.7 MILLION

**LOCATION** HELSINGØR, DK

**STATUS** COMPLETED 2006

### To be or not to be a psychiatric hospital?

A psychiatric hospital requires all the logistics of a hospital including a clear centralized functionality. At the same time it needs to look and feel like anything but a hospital. The snowflake structure lets the different departments radiate into the landscape from a central node, thus framing informal spaces between each of them.



Photo Esben Bruun





**PROJECT** WELFAIRYTALES

**PROGRAM** DANISH PAVILION, SHANGHAI WORLD EXPO 2010

**CLIENT** DANISH ENTERPRISE & CONSTRUCTION AUTHORITY, EXPO 2010

**COLLABORATORS** ARUP SHANGHAI, ARUP AGU, TONGJI, 2+1

**ARTISTS** JEPPE HEIN, MARTIN DE THURAH, PETER FUNCH

**SIZE** 2.800 M<sup>2</sup>

**COST** €13.4 MILLION, \$18.1 MILLION, CNY 135.3 MILLION

**LOCATION** SHANGHAI, CN

**STATUS** COMPETITION 1<sup>ST</sup> PRIZE, COMPLETED 2010

The Danish Pavilion of the Shanghai World Expo 2010 is conceived as a real fragment of Denmark, rather than state propaganda full of empty words and superficial imagery. Through interaction, the visitor can experience real Copenhagen elements: ride a city bike and swim in the harbor bath. As a symbol of our commitment to the real deal we will move the Little Mermaid to Shanghai for the duration of the Expo. In her absence a contemporary Chinese artist will reinterpret the statue in her original location.







SUK

**PROJECT** SUPERKILEN

**PROGRAM** MASTER PLAN FOR THREE NEW URBAN SPACES

**CLIENT** COPENHAGEN MUNICIPALITY, REALDANIA

**COLLABORATORS** HELP PR & COMMUNICATION, TOPOTEK1, SUPERFLEX

**SIZE** 4,3 HA

**LOCATION** COPENHAGEN, DK

**STATUS** COMPETITION 1<sup>ST</sup> PRIZE, COMPLETION 2011

Superkilen is located in the heart of outer Nørrebro, which has a local population from 57 different cultures. The urban project is conceived as a machine of cultural integration consisting of three zones; The Red Square, The Black Market and The Green Playground are programmed for sports, trade and playing respectively. We have selected 57 different everyday objects from the 57 countries, making the space a piece of the world integrated in Copenhagen.







**PROJECT** MARITIME MUSEUM

**CLIENT** MARITIME MUSEUM FOUNDATION

**COLLABORATORS** RAMBØLL, FREDDY MADSEN

**SIZE** 6.500 M<sup>2</sup>

**COST** APPROX. €30 MILLION, \$40 MILLION, CNY 300 MILLION

**LOCATION** HELSINGØR, DK

**STATUS** COMPETITION 1<sup>ST</sup> PRIZE, UNDER CONSTRUCTION, COMPLETION 2012

In response to a competition brief to build an underground maritime museum inside an abandoned dry dock, we proposed to turn the museum inside-out and wrap the dock with museum program. The dock remains open as an urban void sunken 8 meters below the sea. The Maritime Museum is conceived as one continuous ramp looping around the dry dock walls. Three bridges provide easy access across the void and connect different galleries with one another.







**PROJECT** EDUCATION CENTRE IN MARKNAGIL

**PROGRAM** COMBINED SCHOOLS

**CLIENT** MENTAMALARADID (MINISTRY OF CULTURE) / LANDSVERK

**COLLABORATORS** LEMMING & ERIKSSON, SAMAL JOHANNESSEN, MARTIN E.

LEO SP/F, KJ ELRAD RADGEVANDI VERKFROEDINGAR

**SIZE** 19.200 M<sup>2</sup>

**LOCATION** MARKNAGIL, FAROE ISLANDS

**STATUS** 1ST PRIZE, ONGOING

The new educational centre is bringing together the high school, the technical school and the business school for all 15-19 year old youngsters in the capital of Torshavn. The openness and virginity of the site left us free to design a building that extends in all directions, integrating the dramatically sloped landscape and making the building appear smaller towards the local neighborhood and more impressive towards the city below. The schools are organized around a central outdoor space: a town-square or a cultivated landscape on the mountain side.







**PROJECT** TALLINN TOWN HALL

**CLIENT** CITY PLANNING OFFICE, CITY OF TALLINN

**COLLABORATORS** AKT, GRONTMIJ CARL BRO, RAMBØLL, ALLIANSS

**SIZE** 28.000 M<sup>2</sup>

**LOCATION** TALLINN, EE

**STATUS** COMPETITION 1<sup>ST</sup> PRIZE, COMPLETION 2013

Good governance and participatory democracy are dependent on transparency in both directions. It requires adequate political overview of the problems, demands and desires of the public, as well as public insight into the political processes. The new town hall of Tallinn will provide this two way transparency in a very literal way. The various public departments form a porous canopy above the public service marketplace allowing both daylight and view to permeate the structure.







**PROJECT** SHENZHEN INTERNATIONAL ENERGY MANSION  
**PROGRAM** OFFICE HEADQUARTERS  
**CLIENT** SHENZHEN ENERGY COMPANY  
**COLLABORATORS** ARUP SHANGHAI, TRANSSOLAR  
**SIZE** 96.000 M<sup>2</sup>  
**LOCATION** SHENZHEN, CHINA  
**STATUS** INVITED COMPETITION, 1<sup>ST</sup> PRIZE, ONGOING

We propose to make the Shenzhen Energy Mansion the first specimen of a new species of office buildings that exploit the buildings interface with the external elements - sun, daylight, air humidity, wind - as a source to create a maximum comfort and quality inside. By folding the façade in an origami like pattern we achieve a structure with closed and open parts. Shading from direct sun, collecting energy and providing free views. The combination of minimal passive solar heating and active solar panels will reduce the building energy consumption with more than 60%.







w57

**PROJECT** WEST 57th STREET

**PROGRAM** HOUSING, RETAIL

**CLIENT** DURST FETNER RESIDENTIAL

**COLLABORATORS** SLCE ARCHITECTS, STARR WHITEHOUSE  
THORNTON TOMASETTI, DAGHER ENGINEERING, LANGAN ENGINEERING

**SIZE** 80,000 M<sup>2</sup>

**LOCATION** NEW YORK, USA

**STATUS** ONGOING

### How do we introduce an entirely new residential typology to New York City that will add an inviting twist to the Manhattan Skyline?

BIG's inaugural project in NYC is a hybrid between the European perimeter block and a traditional Manhattan high-rise, West 57th has a unique shape which combines the advantages of both: the compactness and efficiency of a courtyard building providing density, a sense of intimacy and security, with the airiness and the expansive views of a skyscraper.







**PROJECT** WORLD VILLAGE OF WOMEN SPORTS  
**PROGRAM** SPORTSFACILITIES, HOUSING, OFFICES, RETAIL  
**CLIENT** H-HAGEN FASTIGHETS AB LIMHAMN  
**COLLABORATORS** AKT, TRANSOLAR, TYRÉNS  
**SIZE** 90.000 M<sup>2</sup>  
**LOCATION** MALMÖ, SWEDEN

The WVWS will be a multifunctional neighborhood comprising a whole range of physical activities, sports, fitness and wellness. From the main football field at its heart to the gyms and auditoria, from the handball halls of the university to the laboratories of the health house and research institutes, it is an entire neighborhood committed to sport. The sloping roofscapes and alternating building volumes provide the neighborhood with the identity as well as variety of a village. The streets animated by publicly oriented functions for education, news, culture and commerce resemble the functional diversity of a medieval downtown.







STP

**PROJECT** STOCKHOLM CITY GATE

**PROGRAM** MASTER PLAN, LANDSCAPE

**CLIENT** STOCKHOLM CITY TRANSPORT AUTHORITY

**COLLABORATORS** GRONTMIJ, SPACESCAPE

**SIZE** 58 HA

**LOCATION** STOCKHOLM, SWEDEN

**STATUS** COMPETITION 1<sup>ST</sup> PRIZE

### How do you put Stockholm on the world map and create a unique landmark that is more than a visual icon?

A planned traffic junction 15 km north of Stockholm is where two highways bypass. By introducing natural environments of differing characters within the loop, the site becomes a pie shaped park of forests, wetlands, grass lawns and hilly terrain. In order to mark the visitor's entrance to Stockholm an illuminating floating sphere is suspended above the road. Photovoltaic film covers 30% of the surface that faces the sun, producing enough energy to keep the sphere floating and supplying 235 houses with electricity.







**PROJECT** GREENLAND NATIONAL GALLERY OF ART  
**PROGRAM** ART GALLERY  
**CLIENT** NUNATTA EQQUMIITSULIANIK, SAQQUMMERSITSIVIA  
**COLLABORATORS** TNT NUUK, ARKITEKTI INGE BISGAARD  
RAMBØLL UK, RAMBØLL NUUK  
**SIZE** 3,000 M<sup>2</sup>  
**LOCATION** NUUK, GREENLAND  
**STATUS** COMPETITION 1<sup>ST</sup> PRIZE

### How do you perpetuate and honour a nation's dream and fight for independence?

Greenland National Gallery of Art will play a significant role for the citizens of Greenland and the inhabitants of Nuuk as a cultural, social, political, urban and architectural focal point. The building with its simplistic coarseness and harmony with the landscape will become a symbol of the current independent Greenlandic artistic and architectural expression.







tir

**PROJECT** TIRANA MOSQUE, ISLAMIC CULTURAL CENTRE AND MUSEUM OF RELIGIOUS HARMONY

**PROGRAM** MOSQUE, MUSEUM, CULTURAL CENTRE

**CLIENT** MUNICIPALITY OF TIRANA, ALBANIAN MUSLIM COMMUNITY

**COLLABORATORS** MARTHA SCHWARTZ, BURO HAPPOLD, SPEIRS & MAJOR, LUTZENBERGER & LUTZENBERGER, GLOBAL CULTURAL ASSET MANAGEMENT

**SIZE** 27,000 M<sup>2</sup>

**LOCATION** TIRANA, ALBANIA

**STATUS** COMPETITION 1<sup>ST</sup> PRIZE

Tirana's new mosque and museum of religious harmony's forms emerge from two intersecting axes and formal requirements: the city grid of Tirana which calls for the proper framing of the square and a coherent urban identity, and orientation of the Mosque's main wall towards Mecca. BIG's proposal incorporates Tirana's grid by maintaining the street wall and eaves line, yet rotates the ground floor so both the Mosque and the plaza face the holy city of Islam.







**PROJECT** VILHELMSRO SCHOOL

**PROGRAM** SCHOOL

**CLIENT** FREDENSBORG MUNICIPALITY

**COLLABORATORS** C G JENSEN, ISC, SPANGENBERG & MADSEN  
TOPOTEK1, TRANSSOLAR

**SIZE** 7,000 M<sup>2</sup>

**LOCATION** VILHELMSRO, FREDENSBORG, DENMARK

### How do you create a school that is commune with nature?

A pristine undulating hillside serves as the backdrop for the future Vilhelmsro. The sloping landscape and the building's sloping roofs merge into one continuous experience no matter if one is inside, outside, on the ground floor or walking across its green roofs. The surrounding landscape not only serves as an aesthetic backdrop, but is also integral to the school's curriculum which focuses on nature and sustainability.







**PROJECT** THE BATTERY  
**PROGRAM** MIXED USE MASTERPLAN  
**CLIENT** BACH GROUP  
**COLLABORATORS** JDS, NIRAS  
**SIZE** 128.000 M<sup>2</sup>  
**LOCATION** COPENHAGEN, DK  
**STATUS** COMPLETION 2013

**In a city scared of heights, in a country scared of the foreign, can we imagine a multicultural neighborhood of extreme urban density?**

The Battery is a project about integration: The cultural integration of Muslim society in a Danish neighborhood, the urban integration of Islands Brygge, Amagerbro and Ørestad, and the functional integration of living, working, shopping, playing and praying.







**PROJECT** HOLY ROAD

**PROGRAM** HOUSING, RETAIL AND GALLERY

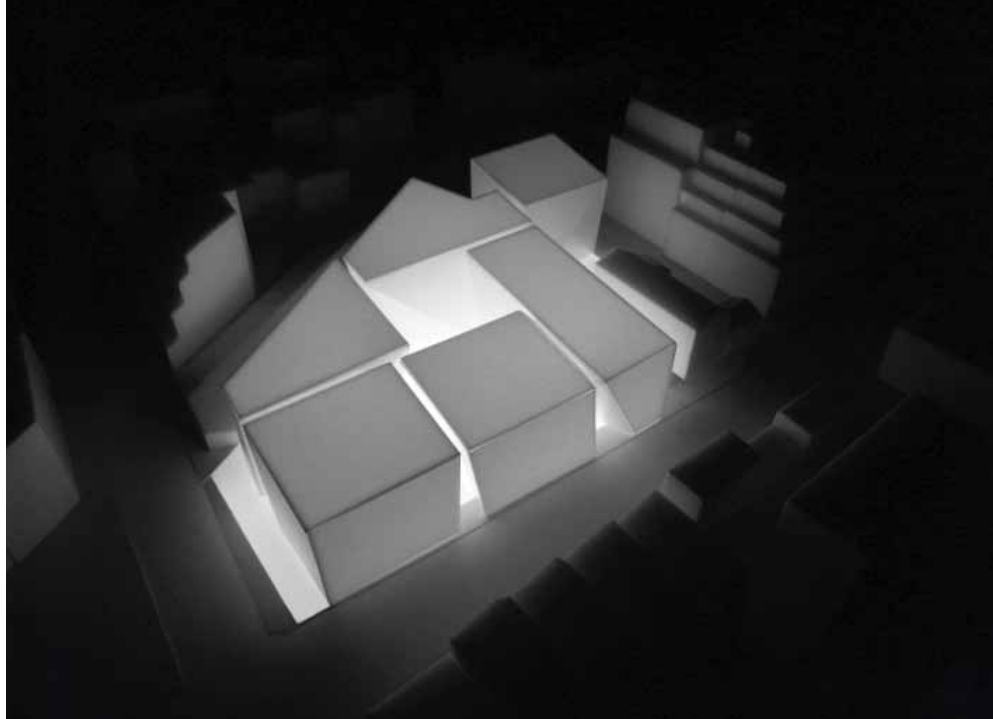
**CLIENT** OLIAROS S.A.

**COLLABORATORS** NIKOS NIKOLAIDIS, DOXIADIS+,  
KAKLAMANIS XRISTOS, A. KOUTSIKOS ATEE

**SIZE** 4.500 M<sup>2</sup>

**LOCATION** ATHENS, GR

This 4.500 m<sup>2</sup> mixed use development in central Athens combines two separate logics: a street pattern of irregular urban circulation and a dense orthogonal grid of patio housing, creating optimal conditions for both housing, shops and art galleries. Public spaces are shaded and residential units protected from the noise of the surrounding entertainment area. This reintroduces a medieval urban character in a city district dominated by monofunctional modernistic boxes from the sixties.







**PROJECT** KAUFHAUSKANAL METROZONE

**PROGRAM** MIX-USED MASTERPLAN

**CLIENT** IBA HAMBURG

**COLLABORATORS** TOPOTEK1, GRONTMIJ CARL BRO

**SIZE** 33.350 M<sup>2</sup>

**LOCATION** HARBURG, GERMANY

**STATUS** COMPETITION 1<sup>ST</sup> PRIZE

The urban qualities that Kaufhauskanal already possess as a quarter do not rely on traditional planning, but rather in the way Harburg dynamically has been changed over time. Our proposal for the Kaufhauskanal provides a new framework where the best elements from both the old and new areas are incorporated. The warped checker board pattern creates a layout that is varied and unique without impacting navigability and ease of use. Rather than a master plan, the new Kaufhauskanal is a puzzle, a maximized mix of urban typologies and textures.







e2

**PROJECT** ECOLOGY & ECONOMY

**PROGRAM** HOUSING

**CLIENT** CITY OF KOUVOLA

**COLLABORATORS** AOA, PIRMIN JUNG, VAHANEN, STORA ENSO

**SIZE** 15,000 M<sup>2</sup>

**LOCATION** KOUVOLA, FINLAND

**STATUS** COMPETITION 1<sup>ST</sup> PRIZE (SHARED)

### How do we develop a flexible building system of wood that can compete with the efficiency of concrete?

The vast majority of construction in forest rich Finland utilizes concrete. Our concept, PUU-BO presents an alternative for the construction industry: to build new sustainable structures with wood. We address the growing demand for energy efficient, low carbon structures with an ever-evolving building system that is both competitive and innovative.







**PROJECT** HUALIEN MASTERPLAN

**PROGRAM** RESIDENTIAL, HOTEL, RETAIL

**CLIENT** TLDC

**COLLABORATORS** ARUP, GLESSNER GROUP

**SIZE** 450,000 M2

**LOCATION** HUALIEN, TAIWAN

**STATUS** ONGOING

Echoing the spectacular Taiwanese mountain backdrop, the resort masterplan is created from green landscape stripes that form a mountain terrain of commercial and residential program. The stripes run east-west framing the best views while also becoming an optimal shading system for Taiwan's hot and humid tropical climate. Low-angle, high-glare morning and evening sun is effortlessly blocked by the stripes while favorable north-south light is allowed into the units. The building envelopes combined with green roofs to further mitigate heat gain create a low-energy masterplan based entirely on passive technologies.







**PROJECT** TEK BUILDING

**PROGRAM** RETAIL, HOTEL, AND EXHIBITION

**CLIENT** TLDC

**COLLABORATORS** REALITIES UNITED, ARUP

**SIZE** 43,000 M2

**LOCATION** TAIWAN

The Technology Entertainment & Knowledge Center – aka TEK Taipei – is a dense urban block of mixed activities related to contemporary technology and media. The spiraling street of media programs is consolidated in to a 57x57x57 m3 cube of program permeated by a public trajectory of people life. The cube is finished in concrete lamellas serving as solar shading as well as public access. The lamellas recede inwards forming a generous public staircase allowing the public to walk into the façade.







# WALL

**PROJECT** TAIPEI CITY WALL, HOUSING AND OFFICES

**PROGRAM** OFFICES, HOUSING

**CLIENT** TAIWAN LAND DEVELOPMENT CORPORATION

**COLLABORATORS** ARUP SHANGHAI

**SIZE** 81,900 M<sup>2</sup>

**LOCATION** TAIPEI, TAIWAN

## How do you create urban density without losing the suburban qualities, such as green space, light and local neighborhood?

Simply by stacking small communities on top of each other you maintain the proximity to green free space and get the benefits from living in a tower, such as view, light and urban density. The result is a three-dimensional checkerboard where each 15x15x15meter box overlaps enough for an elevator to reach the highest floors. Throughout the 30 floors 5 large gardens allows the residence to play, swim and relax.



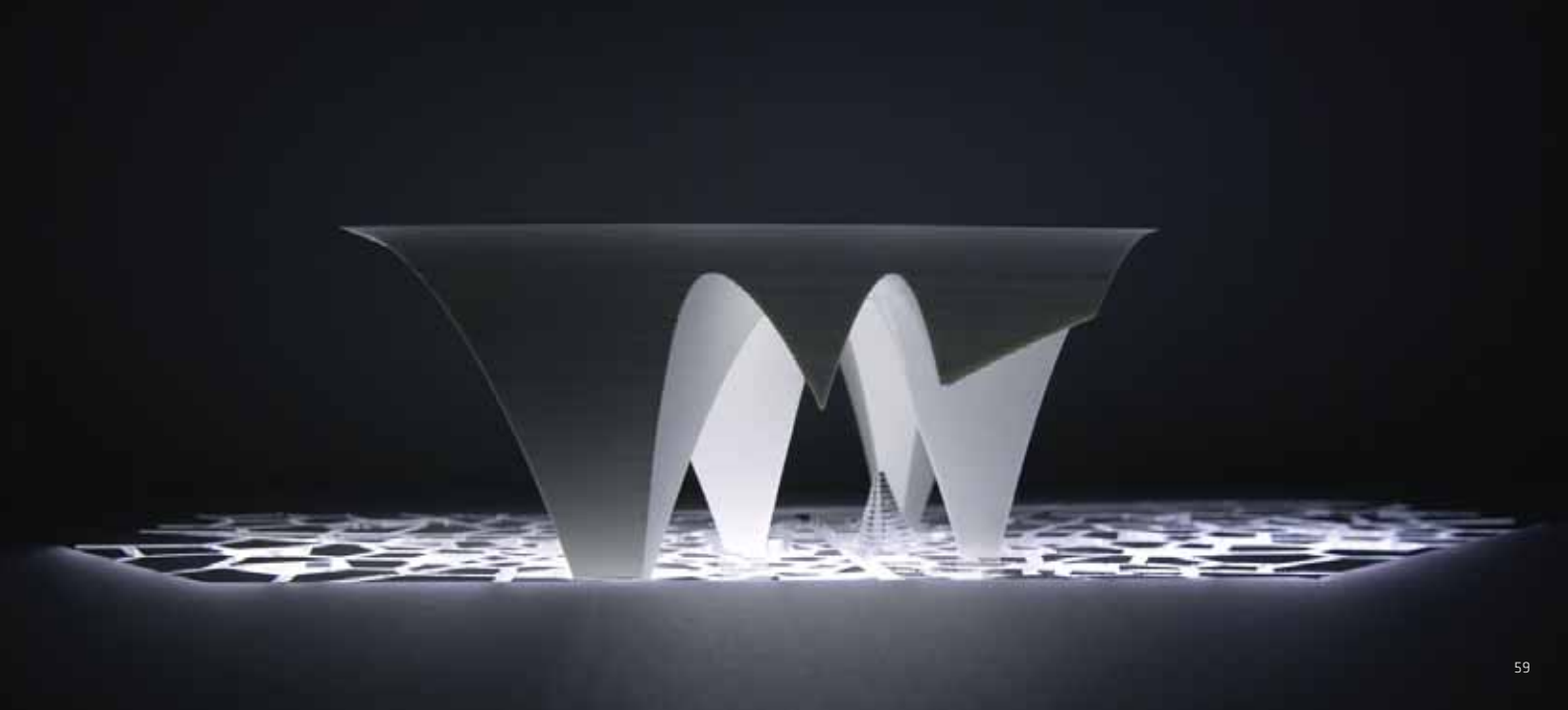




**PROJECT** FIVE PILLARS OF BAWADI  
**PROGRAM** HOTELS, RETAIL, MOSQUE  
**CLIENT** VILLA MODA LIFESTYLE KSCC, KUWAIT  
**COLLABORATORS** AKT  
**SIZE** 80.000 M<sup>2</sup> HOTEL, 110.000 M<sup>2</sup> RETAIL  
**LOCATION** DUBAI, UAE

The key to building sustainably in the desert is to protect the building and the surrounding urban spaces from the sun. By inclining the facades we create a building volume, which becomes an inverted pyramid, with the apex buried deep in the desert sand. The building is conceived as a cluster of small and tall pyramids, and shaded space is created beneath the canopy of the floating building mass. Like an urban oasis, an open air market occupies the space between the trunks of the 5 hotels.







## WTC 2

**PROJECT** WOLRD TRADE CENTRE

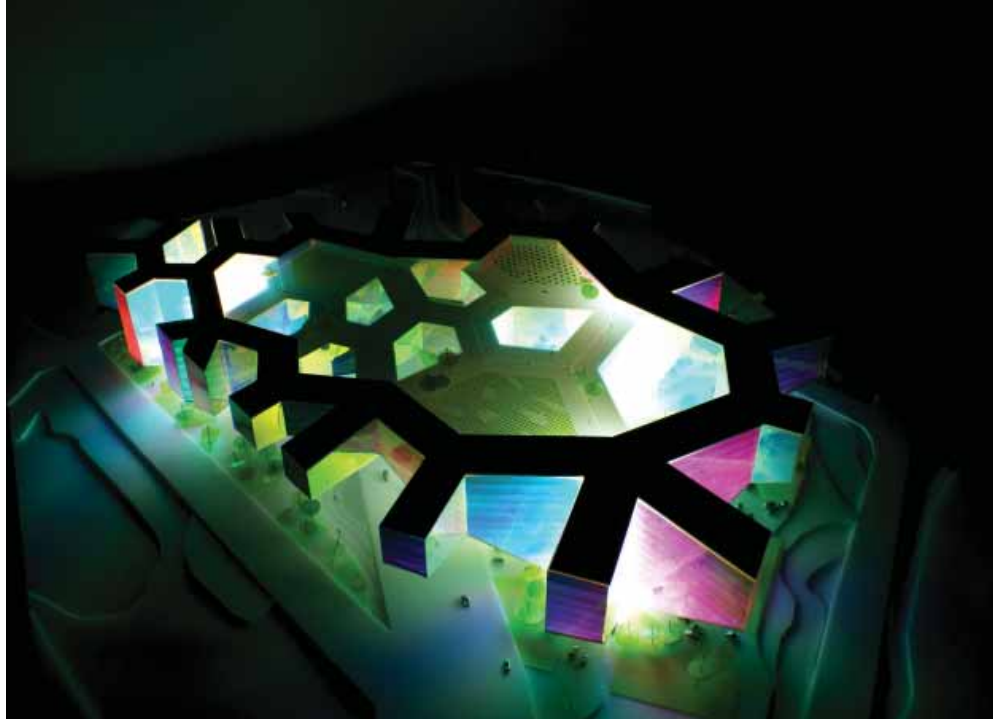
**PROGRAM** OFFICES

**CLIENT** WORLD TRADE CENTRE VILNIUS + BALTIC PETROLEUM

**SIZE** 200.000 M<sup>2</sup>

**LOCATION** VILNIUS, LT

Designing a project with more than 200,000m<sup>2</sup>, you are entering the twilight zone between urbanism and architecture. Vilnius WTC 2 should be an organic structure capable of accommodating the flow of people, integrating different programs as well as incorporating change over time. The low-rise fractal structures connect with the surrounding urban environment, rather than competing with it.







**PROJECT** WALTER TOWER

**PROGRAM** MIXED USE

**CLIENT** RED GROUP

**COLLABORATORS** AKT

**SIZE** 38.000 M<sup>2</sup>

**HEIGHT** 90 M

**LOCATION** PRAGUE, CZ

**STATUS** COMPETITION 1<sup>ST</sup> PRIZE

By uniting the tradition of building towers in clusters like the old Prague, with the rational way of organizing tall buildings like the American skyscraper, it is possible to make a new kind of contemporary tower uniting history, functionality and the need for a new landmark. What appears as 4 different towers is actually one continuous building, sliced up and pulled apart to maximize the amount of surface and facade area. The twisted building opens up towards the surroundings - letting in people and light.







REN

**PROJECT** PEOPLE'S BUILDING

**PROGRAM** CONFERENCE CENTER, HOTEL AND OFFICES

**COLLABORATORS** AKT

**SIZE** 200,000 M<sup>2</sup>

**HEIGHT** 200 M

**LOCATION** SHANGHAI, CN

**STATUS** ONGOING

REN building is a hotel, sports and conference centre in Shanghai. Two buildings merge into one: First building, emerging from the water, is devoted to the activities of the body, containing the sports and water culture centre. Second building, emerging from land, is devoted to the spirit and enlightenment, containing the conference centre and meeting facilities. The two buildings meet in a 1,000 room hotel, form the Chinese character for "People", and become a recognizable landmark.







sca

**PROJECT** SCALA TOWER

**PROJECT** COPENHAGEN MAIN LIBRARY, OFFICES AND HOTEL

**CLIENT** CENTERPLAN

**COLLABORATORS** ADAMS KARA TAYLOR

**SIZE** 45.000 M<sup>2</sup>

**HEIGHT** 145 M

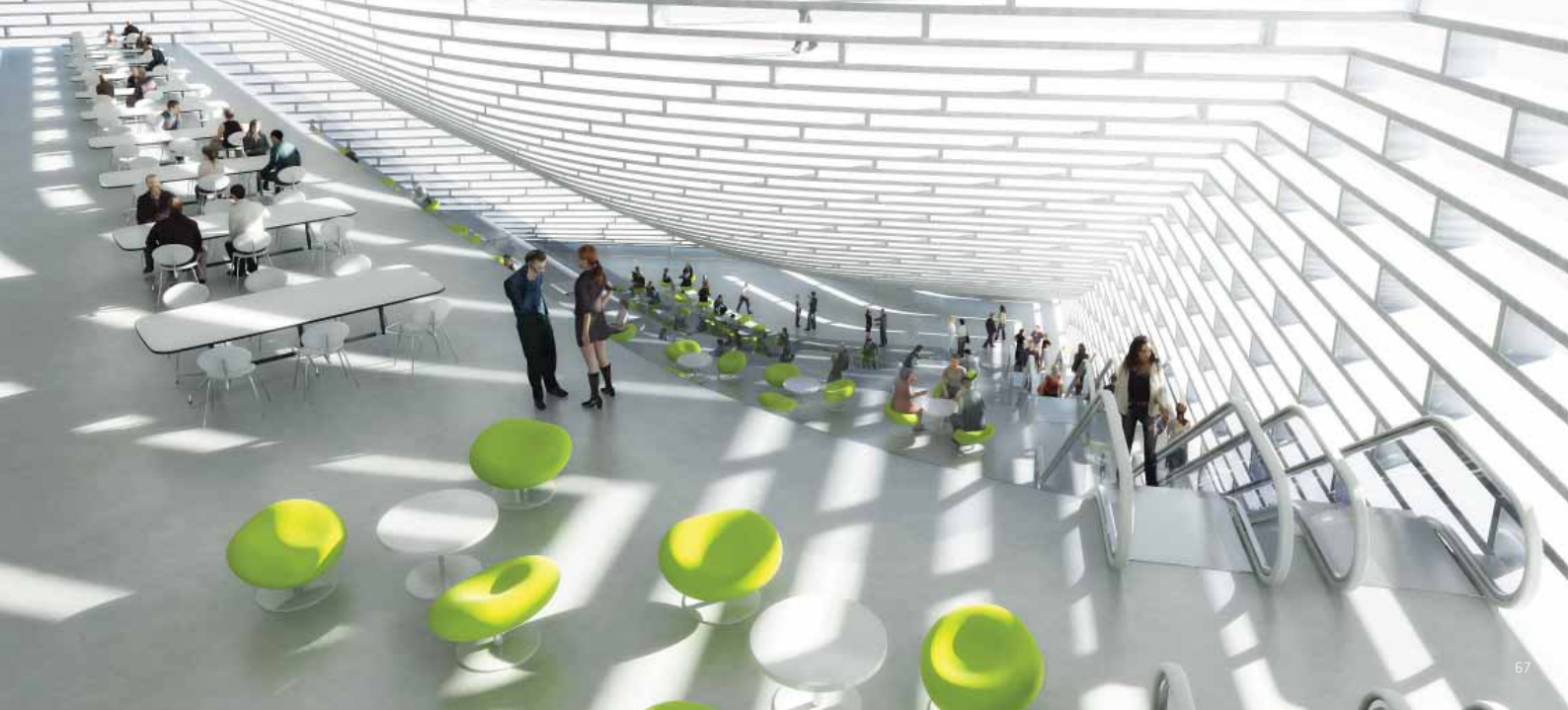
**LOCATION** COPENHAGEN, DK

**STATUS** COMPETITION 1<sup>ST</sup> PRIZE

**PRIZE** CHICAGO ATHENAEUM INTERNATIONAL ARCHITECTURE AWARD

The building is conceived as a reinterpretation of the historic Copenhagen tower consisting of two elements: A base relating to the scale of the surrounding buildings, and a slender spire becoming a part of the skyline. The base houses shopping, a conference center and the new Main Library of Copenhagen. The tower is a luxury hotel. The tower and the base are morphed together in a spiral-shaped cascade of stairs leading to a public roof top plaza overlooking the City Hall square.







ECH

**PROJECT** ESCHER TOWER

**PROGRAM** HOTEL AND CONFERENCE CENTRE

**CLIENT** FIRST HOTELS

**SIZE** 20.000 M<sup>2</sup>

**HEIGHT** 160 M

**LOCATION** COPENHAGEN, DK

Beyond a certain height the structural challenge shifts from the gravity load to the wind load. The Escher Tower is conceived as 3 square towers uniting in one slim tower, optimized for the wind speeds at high altitudes. The middle tower is straight as a dart, the two peripheral ones switch places between groundfloor and penthouse. The result is an Escheresque vision of a seemingly three dimensional paradox.







**PROJECT** RØDOVRE HIGHRISE  
**PROGRAM** OFFICES AND HOUSING  
**CLIENT** CITY OF RØDOVRE  
**COLLABORATOR** RAMBØLL  
**SIZE** 27.000 M<sup>2</sup>  
**HEIGHT** 96 M  
**LOCATION** RØDOVRE, DK

### How does the sun shape a mixed-use building?

By slanting the facades of the alternating floors of office and residential program to the optimum angle with respect to the sun, we have developed a new kind of architecture that can mobilise the full potential of the city. The goal was to create a ecologically, economically and socially sustainable building. Mixing working space and living space is an important step towards achieving a lively city.







ANL

**PROJECT** KAZAKHSTAN PRESIDENTIAL LIBRARY IN ASTANA

**CLIENT** ASTANA MUNICIPAL ADMINISTRATION

**COLLABORATORS** RAMBOLL, TPPK, ARUP AGU

**SIZE** 33,000 M<sup>2</sup>

**COST** \$82.5 MILLION, €55.8 MILLION, CNY 563 MILLION

**LOCATION** ASTANA, KZ

**STATUS** COMPETITION 1<sup>ST</sup> PRIZE, UNDER CONSTRUCTION, COMPLETION 2012

**PRIZES** 2009 CITYSCAPE DUBAI AWARD 1<sup>ST</sup> PRIZE

The National Library is conceived as an integration of 4 organizational strategies into one new national institution. The pure diagram of the circle combined with the meandering trajectory of the public path creates an institution that is rigorous and playful, crystal clear and serendipitous. The eager student, the focused researcher, the citizen pilgrim and the curious tourist will all find an institution that meets their needs.







**PROJECT** STAVANGER HOTEL  
**PROGRAM** 180 ROOM HOTEL  
**CLIENT** SEABROKERS EIENDOM, BASE PROPERTY  
**SIZE** 6.700 M<sup>2</sup>  
**LOCATION** STAVANGER, NO

The building volume is derived from strategic cuts, allowing neighboring houses daylight. This results in a slender pitched spire, blending in with the roofscape of the historic wooden architecture of Stavanger. The diagonal mirror clad atrium works like a gigantic periscope creating a spectacular view from the entrance lobby. The grand mirror hall becomes a luxurious contrast to the rustic wooden exterior, reversing the traditional hotel layout with best view from the ground floor.







ARL

**PROJECT** ARLANDA AIRPORT HOTEL

**PROGRAM** 600 ROOM HOTEL AND CONFERENCE CENTER

**CLIENT** FIRST HOTELS

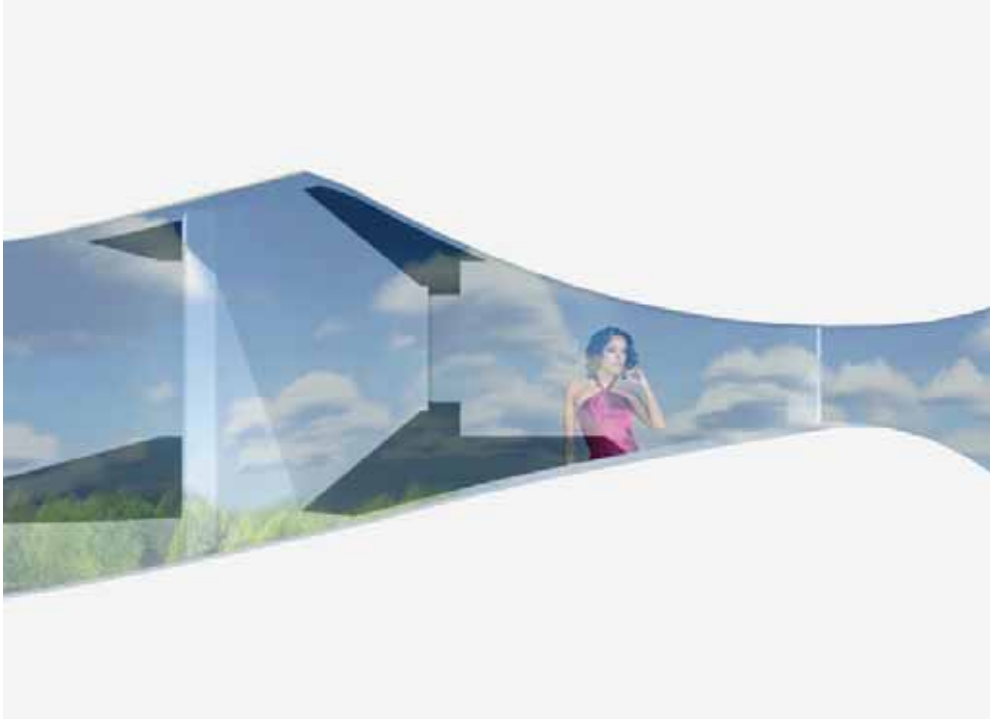
**COLLABORATORS** ARCONA

**SIZE** 25.000 M<sup>2</sup>

**LOCATION** ARLANDA, SE

**STATUS** ONGOING

A small variation in the horizontal window band of each of the 600 rooms in the Airport Hotel creates an abstract pattern, which seen on a distance turns into crystal clear portraits of Crown Princess Victoria, Princess Madeleine and Prince Carl-Philip of Sweden. The equilateral triangular footprint results in a building with no ends, only three faces perceived as free standing two-dimensional surfaces.







**PROJECT** NICE HOTEL

**PROGRAM** 400 ROOM HOTEL AND SERVICED APARTMENTS

**CLIENT** BOSCOLO GROUP

**SIZE** 22.000 M<sup>2</sup>

**HEIGHT** 110 M

**LOCATION** NICE, FR

Rather than surrendering one of the most centrally located plots at the heart of Nice to a single program we propose a symbiotic multitude of functions, combining public and private in a single hybrid entity. Shops, restaurants and spa at the ground, combined with abundant public plazas and parks for the passersby. Hotel rooms on the higher levels extending out on roofgardens. And finally apartments with private terraces and collective gardens for the local residents.







**PROJECT** KAMENOVO BEACH  
**PROGRAM** HOLIDAY RESIDENCES  
**CLIENT** DEJASA PROJECTS  
**SIZE** 8.000 M<sup>2</sup>  
**LOCATION** BUDVA, MONTENEGRO

Located on the Montenegro coast, our building site must be crossed to access the beach. Therefore we suggest creating a path where a brook has carved a natural passage way. The surrounding terrain slopes towards the bay but remains hilly in some places. An olive grove is located on the site's western edge, which is to be preserved. The olive grove will serve as a beautiful backdrop to the architecture, which also borders a gorge that is lusciously overgrown and contains a hidden brook.







sta

**PROJECT** STAVANGER CONCERT HALL

**CLIENT** STAVANGER MUNICIPALITY, STAVANGER ORCHESTRA

**COLLABORATORS** JDS, MOE & BRØDSGAARD

**SIZE** 22.000 M<sup>2</sup>

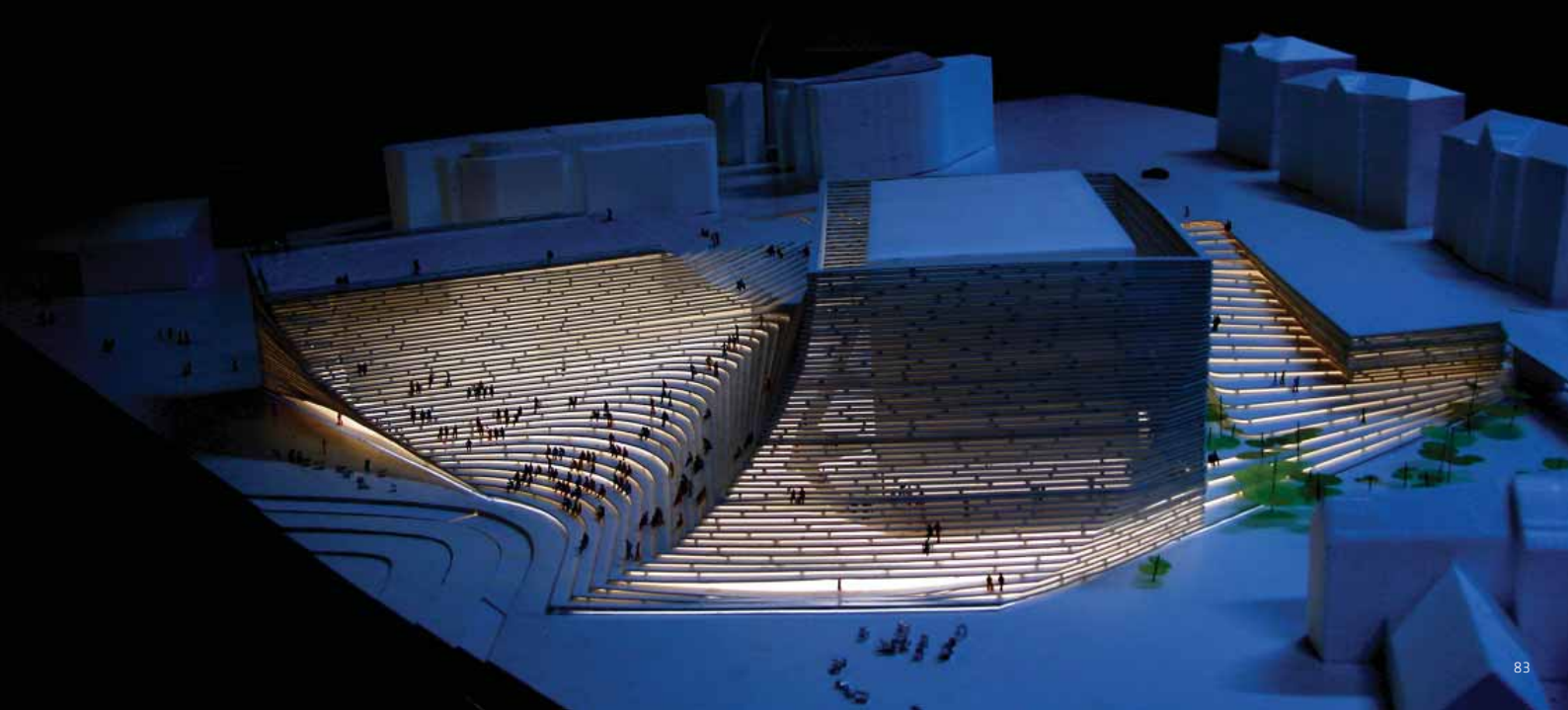
**LOCATION** STAVANGER, NO

**PRIZE** GOLDEN LION, VENICE BIENNALE 2004 BEST CONCERT HOUSE

### How to make an elitist institution accessible to the public?

After the Bilbao effect, cities all over the world have launched cultural landmark projects to put their cities on the map of architecture. Where only few experience the concert hall through its interior, most people will only sense and experience the exterior. So we decided to make a building that would be as accessible and exciting on the outside as it is on the inside.







**PROJECT** WARSAW MUSEUM OF MODERN ART

**CLIENT** WARSAW MUNICIPALITY

**COLLABORATORS** CAVI, AKT, LOUISIANA

**SIZE** 35.000 M<sup>2</sup>

**LOCATION** WARSAW, PL

We propose to fracture WMoMA's building envelope vertically as well as creating a clear horizontal programmatic stratification, to allow public life, urban flows and views of art to permeate the building. By deploying the Voronoi framework, we create a structure that combines a logical and efficient organisation with an organic experience - intuitive orientation and exciting spatial relationships.







**PROJECT** TAMAYO CULTURAL CENTER

**PROGRAM** ART GALLERY, STORAGE AND CONSERVATION FACILITIES

**CLIENT** TAMAYO CULTURAL CENTER

**COLLABORATORS** ROJKIND ARCHITECTS

**SIZE** 2.300 M<sup>2</sup>

**LOCATION** ATIZAPAN, MX

**STATUS** COMPETITION 1<sup>ST</sup> PRIZE

The iconographic shape of the museum is derived directly from the organisation diagram provided by the client. The logistics of a storage and handling facility demand a continuous space in one level. The optimum organisation is resulting in a cantilevering cross, creating a shaded visitor and restaurant area enjoying the view over Mexico City. The cantilevering cross is the literal materialization of the functional diagram - devoid of any artistic interpretation. Pure function and symbol at the same time.







ODA

**PROJECT** ODENSE AQUATIC CENTRE

**CLIENT** ODENSE MUNICIPALITY, REALDANIA FUND, L.O.A. FUND

**COLLABORATORS** JDS, GRONTMIJ CARL BRO

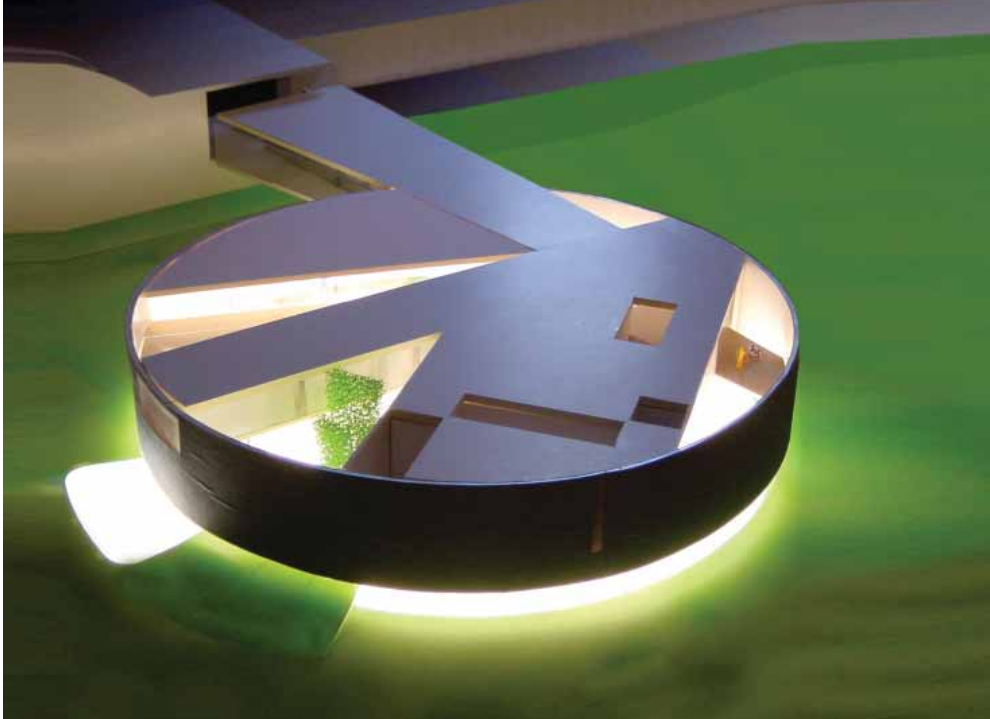
**SIZE** 5.000 M<sup>2</sup>

**COST** €16 MILLION

**LOCATION** ODENSE, DK

### How can you turn a swimming pool inside out?

Instead of placing a series of swimming pools side by side we organized the water in a string of pools connected by a 150 meter long circular lap pool. The public pool becomes a lake with an island for fitness activities in the middle.







SKI

**PROJECT** TRYSIL SKI RESORT

**PROGRAM** HOTEL AND HOLIDAY APARTMENTS

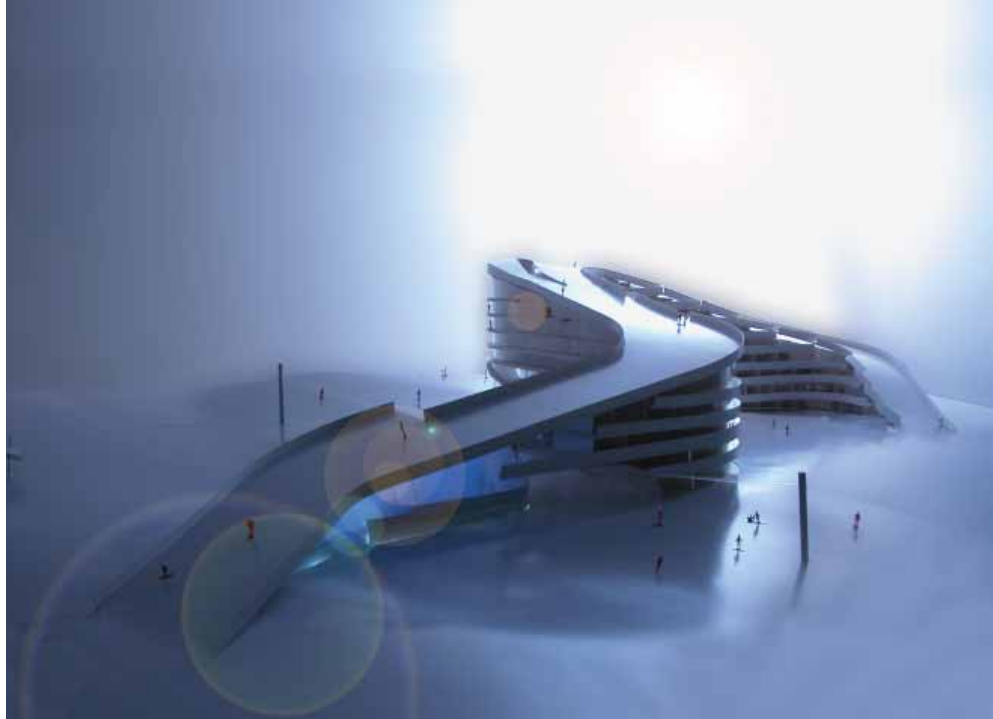
**CLIENT** FIRST HOTELS

**COLLABORATORS** JDS, MOE & BRØDSGAAD

**SIZE** 90.000 M<sup>2</sup>

**LOCATION** LILLEHAMMER, NO

In urban planning the shortest distance between A and B is a straight line. In Ski Planning the fastest connection is an even slope. The resulting warped building provides comfortable skiing to all apartments and hotel rooms, giving literal meaning to: Ski in and ski out.







**PROJECT** HAFJELL SKI RESORT

**PROGRAM** HOTEL AND HOLIDAY APARTMENTS

**CLIENT** FIRST HOTELS

**SIZE** 30.000 M<sup>2</sup>

**LOCATION** HAFJELL, NO

A hotel slab is stretched to adjust to the mountain slope, resulting in a structure where all rooms are situated close to the skiing slopes, while the building maintains a continuous and practical layout of floorplans. A series of deformations in the block creates outdoor spaces for restaurants, spas and pools overlooking the valley.







amf

**PROJECT** AMAGERFORBRÆNDINGEN WASTE TREATMENT PLANT

**PROGRAM** WASTE TO ENERGY PLANT, SKI SLOPE

**CLIENT** AMAGERFORBRÆNDINGEN

**COLLABORATORS** REALITIES UNITED, AKT, TOPOTEK 1 / MAN MADE LAND,  
FRONT

**SIZE** 95,000 M<sup>2</sup>

**LOCATION** COPENHAGEN, DENMARK

**STATUS** COMPETITION 1<sup>ST</sup> PRIZE

### How can you integrate the recreational life with an isolated object?

We propose a new breed of waste-to-energy plant, one that is economically, environmentally and socially profitable instead of considering Amagerforbrændingen as an isolated object we mobilize the architecture and intensify the relationship between the building and the city expanding the existing activities in the area by turning the roof of the new Amagerforbrænding into a ski slope for the citizens of Copenhagen.







LDK

**PROJECT** LITTLE DENMARK

**PROGRAM** MIXED USE MASTERPLAN

**CLIENT** NCC, NORDEA DENMARK FOUNDATION, KUBEN, ØRESTAD NORD GROUP

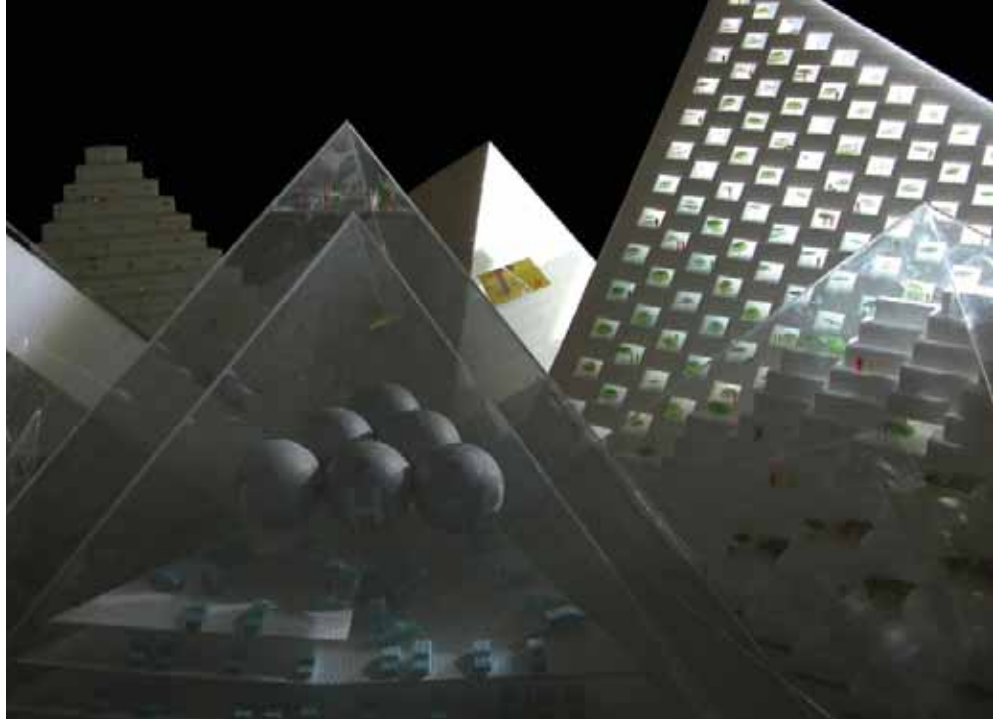
**COLLABORATORS** JDS, ARUP, BRUCE MAU DESIGN

**SIZE** 100.000 M<sup>2</sup>

**LOCATION** COPENHAGEN, DK

### What if Denmark had an energy bill of 0?

BIG believes that today's environmental problems are not political, economic or even ecological – they are simply a design challenge! Little DK is an urban super block that contains a cross section of Denmark boiled down to a live and work setting for 1,500 people. The shape of the volumes are optimized for solar energy. The optimum location for the different programs is determined by solar orientation, urban adjacencies and proximity to symbiotic neighbours. In Little Denmark we examine all aspects of city life in a symbiosis of economical and ecological sustainability.







HAV

**PROJECT** SUPERHARBOUR

**PROGRAM** CONTAINER PORT AND INFRASTRUCTURAL HUB

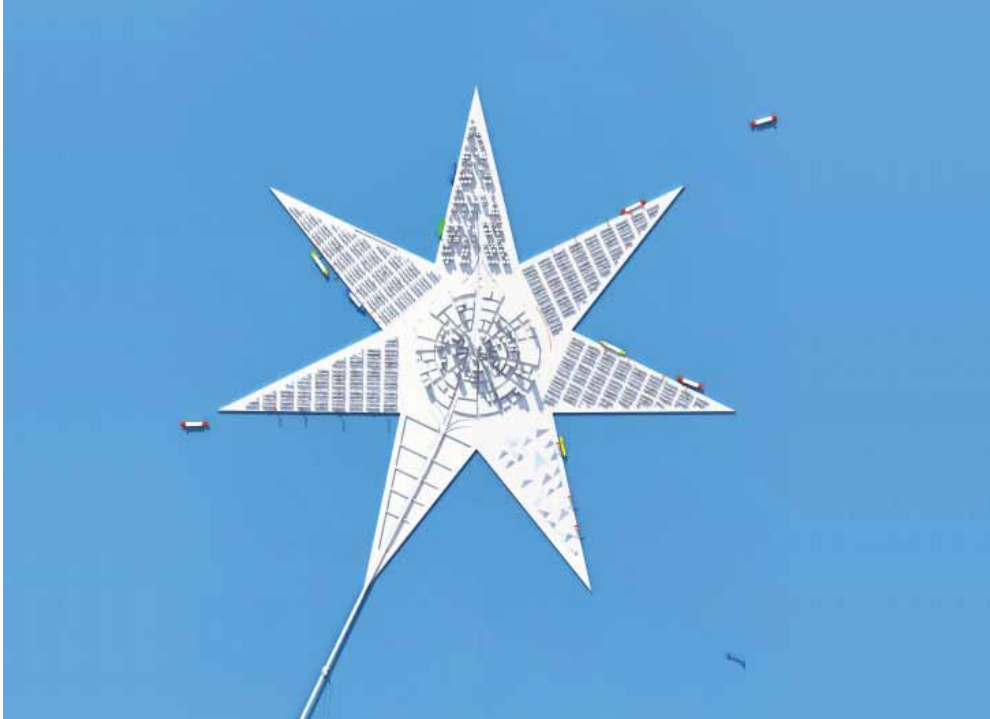
**CLIENT** DANISH ARCHITECTURE CENTRE

**COLLABORATORS** JDS, BRUCE MAU DESIGN, DAC

**SIZE** 680 HA

**LOCATION** FEHMERN BELT BETWEEN GERMANY AND DENMARK

The super harbor is an artificial island connected to the bridge and tunnel between Denmark and Germany, making it an industrial and logistic hub at the entry way to the Baltic Sea. By consolidating all Danish harbor activities into one strategically located super harbor, we can free up all Danish waterfronts for new urban life forms. A local solution with global potential.







klm

**PROJECT** KLØVERMARKEN

**PROGRAM** 2000 HOUSING UNITS AND SPORTS FACILITIES

**CLIENT** BIG PROACTION

**COLLABORATORS** JDS, 5x5 FUND, COPENHAGEN MUNICIPALITY

**SIZE** 200.000 M<sup>2</sup>

**LOCATION** COPENHAGEN, DK

## How do you fit 2.000 new apartments in the middle of a city that is already complete?

We propose to surround a vast area of sports fields with a three kilometer long building, which rises and descends from ground level to 12 storeys: A super sized perimeter block with a backyard of one million m<sup>2</sup> - the Copenhagen version of the Great Wall of China.







**PROJECT** SLUSSEN MASTER PLAN

**PROGRAM** LIBRARY, OFFICES HOUSING AND RETAIL

**CLIENT** STOCKHOLM MUNICIPALITY

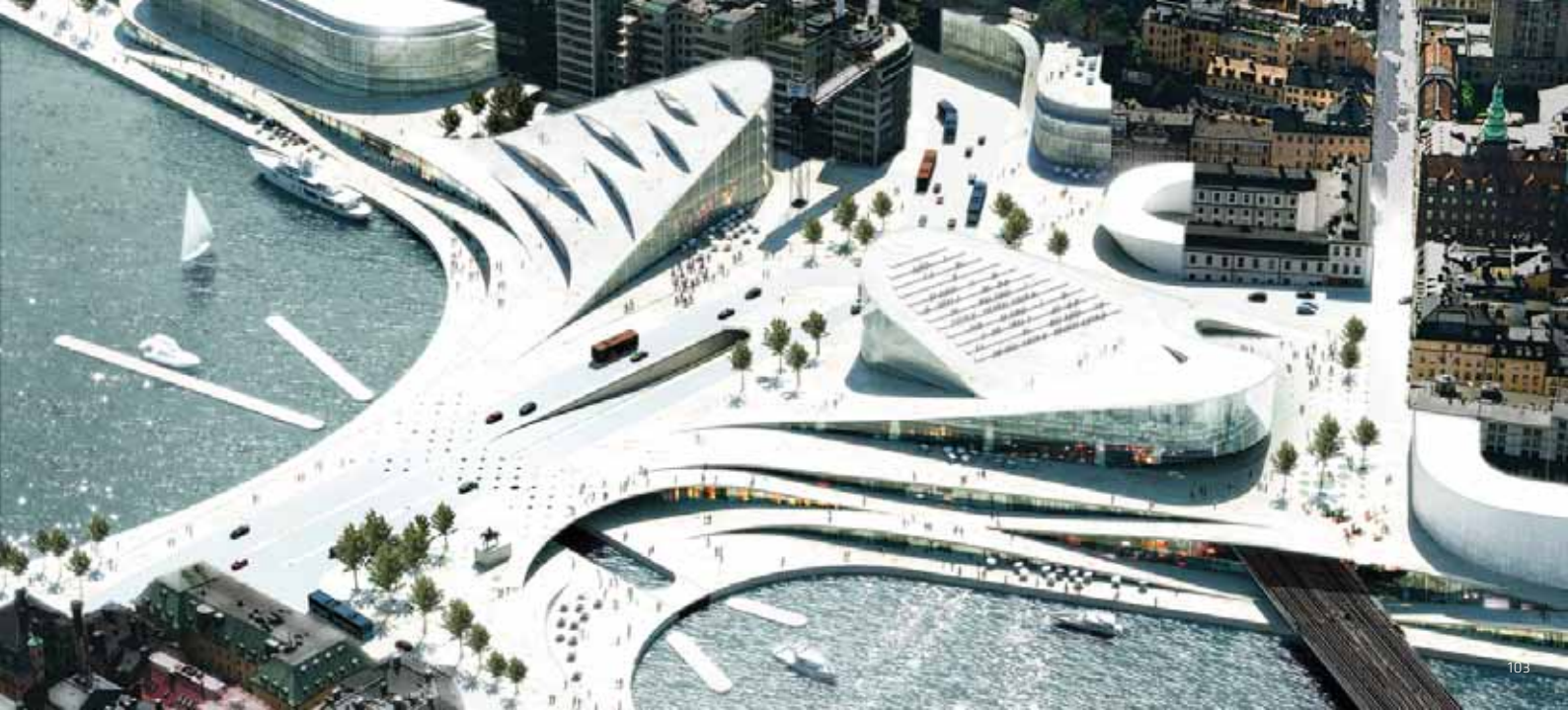
**COLLABORATORS** AKT, NATURE ORIENTED DESIGN

**SIZE** 70.000 M<sup>2</sup>

**LOCATION** STOCKHOLM, SE

By moving the public program towards the most attractive place, and integrating the heavy traffic under the cover of a public square, it is possible to regain the waterfront, and at the same time connect the city parts around Slussen. The edge towards the water is terraced to provide daylight to the public and commercial spaces behind.







AUDI

**PROJECT** AUDI URBAN FUTURE AWARD

**PROGRAM** URBAN VISION

**CLIENT** AUDI

**COLLABORATORS** AUDI THINK TANK

**SIZE** 5 HA

**LOCATION** BERLIN, DE

**STATUS** ONGOING

### (DRIVER)LESS IS MORE

The driverless car; the first truly auto-mobility could be the next revolution in urban space. Picture a future city where the vertical facades appear unchanged, but the city pavement is transformed into a reprogrammable, solar-powered surface replacing the fixed elements of driveway, sidewalk or square; a digital street surface completely re-animating a familiar city. This elastic urban space will not only guide the driver-less cars, but also replace the static city cast in concrete with a future city that dynamically transforms and adapts to the life between the buildings.







VRN

**PROJECT** SKÄRGÅRDEN

**PROGRAM** MASTER PLAN

**CLIENT** TÄBY MUNICIPALITY

**COLLABORATORS** WSP GROUP

**SIZE** 95,000 M<sup>2</sup>

**LOCATION** VÄSTRA ROSLAGS-NÄSBY, SWEDEN

## How to transform an area from being monogrammatic to a green dense urban space?

We propose an urban neighborhood that combines the virtues of Jakriborg with modern typologies for housing, offices and commercial space. Rather than starting with the buildings, we have focused on creating a streetscape designed for a vibrant public life as well as an efficient flow of pedestrians, bikes, buses and cars through the site. We propose an architecture that is subordinated the public space, rather than a public space being subordinated to the architecture.







**PROJECT** THE CITY + THE ARCH + THE RIVER

**PROGRAM** MASTER PLAN, CULTURAL BUILDINGS

**CLIENT** CITY OF ST LOUIS, CITY+ARCH+RIVER 2015 FOUNDATION,  
NATIONAL PARK SERVICE

**COLLABORATORS** SOM, HARGREAVES, JAUME PLENSA, URS, RALPH  
APPLEBAUM

**SIZE** 192 ACRES (78 HA)

**LOCATION** ST LOUIS, MISSOURI, USA

The Jefferson Memorial Park and the Great Arch of St Louis already has its landmark by a modern master. No need for a Guggenheim Bilbao or more masterpieces. What we want to contribute is new connectivity and activity at human eye height. As such, we propose a double expansion of city, river and park that will create zones of double programming, hybrid activities and most importantly increased interaction between programs and people.







QUI

**PROJECT** QINGDAO BRIDGE

**PROGRAM** CAR AND PEDESTRIAN BRIDGE

**CLIENT** QINGDAO OCEAN DEVELOPMENT CENTRE

**COLLABORATORS** COWI CHINA

**SPAN** 1500 M

**LOCATION** SHANGDONG PROVINCE, CN

**STATUS** COMPETITION 1<sup>ST</sup> PRIZE

The Qingdao bridge is a twisted connection between the mainland and the new Qingdao Oceanic Centre. Our design proposal tells the story of the Chinese dragon jumping into the sea. Instead of vertical carrying pylons which would compete with the Stone Man and the new hotel towers, the movement and twisting of the lanes creates the structural backbone of the bridge.







**PROJECT** SHENZHEN QIANHAI MASTER PLAN

**PROGRAM** MASTER PLAN

**CLIENT** TLDC

**COLLABORATORS** THORNTON TOMASETTI, MVA, PB WORLD, CBRE

**SIZE** 1800 HA

**LOCATION** SHENZHEN, CHINA

Urban theory is often torn between seemingly insolvable discourses. The main dilemma is the dichotomy between the modern city and the historical city, the efficient city and the charming city, the dense city and the pedestrian city, the city of park life and the city of street life.

Our proposal for the Woven City seeks to consolidate all these opposites into a single woven city fabric that weaves together various networks of parks, canals and streets, perimeter blocks and towers into a new urban hybrid.







# ZIRA

**PROJECT** ZIRA ISLAND

**PROGRAM** MASTER PLAN FOR CULTURE AND ENTERTAINMENT CITY

**CLIENT** AVROSITI HOLDINGS

**COLLABORATORS** RAMBØLL

**SIZE** 100 HA

**LOCATION** BAKU, AZERBAIJAN

**STATUS** ONGOING

**PRIZES** CITYSCAPE ABU DHABI 2009, FINALIST

The Seven Peaks of Azerbaijan is a master plan for a zero carbon culture and entertainment city on Zira Island situated within the Caspian Sea off of Azerbaijan's capital Baku. Zira Island is designed to be a sustainable model for urban development, and an iconographic skyline recognizable from the city's coastline. We propose an architectural landscape derived from the natural landscape of Azerbaijan. The seven mountains are conceived not only as metaphors, but engineered as entire eco-systems, a model for future sustainable urban development







loop

**PROJECT** LOOP CITY

**PROGRAM** MASTER PLAN

**CLIENT** REALDANIA, DAC

**COLLABORATORS** RED ASSOCIATES, KOLLISON, ARUP

TOM NIELSEN, DONG ENERGY, CAVI

**SIZE** 11,000 KM<sup>2</sup>

**LOCATION** DENMARK/SWEDEN

**STATUS** ONGOING

### How can you create a sustainable and recreational development for a whole region?

The industrial areas in the Copenhagen suburbs are next in line for urban development. We propose to upgrade the planned light rail by extending it to form a regional ring around Øresund connecting similar development areas. By combing the rail with strategies for energy exchange, waste management, water treatment and electric car stations, the infrastructure could become the base for a new sustainable cross border ring of development.





# DISTINCTION

## AWARDS

- 2011** Detail Award I Special Award for Steel I Danish Pavilion  
Jørn Utzon Award I Concrete Element Award I Mountain
- 2010** DAM Book Award I Yes is More  
Exhibitor Magazine Awards I Best Exterior Design I Danish Pavilion  
MIPIM future Award I commended I Tallinn Town Hall  
Scandinavia's Best Green Roof Award I 8 House
- 2009** Cityscape Dubai I Cityscape Award Winner I Astana National Library  
Urban Land Institute I Award of Excellence I Mountain  
The Chicago Athenaeum I Green Good Design I Little Denmark
- 2008** Forum AID Award I Best Nordic Architecture I Mountain  
MIPIM I Residential Development Award I Mountain  
World Architecture Festival I Housing Award Winner I Mountain  
Wood Award I Maritime Youth House  
International Arch. Awards I Best New Global Design I Scala  
Contract World I Best Education Interior I Sjakket Youth Centre
- 2007** Mies Van Der Rohe Award I Special Mention I VM Houses  
IOC Award I Honorable Mention I Copenhagen Harbour Bath
- 2006** Forum AID Award I Best Scandinavian Building I VM Houses
- 2005** Mies van der Rohe Award - Special Mention I Maritime Youth House
- 2004** Copenhagen Award for Architecture I Maritime Youth House  
AR+D Award I Architectural Review I RIBA London I Maritime Youth House  
Venice Biennale Golden Lion I Stavanger Concert Hall
- 2001** Henning Larsen's Prize

## COMPETITIONS

- 2011** Mosque & Museum of Religious Harmony I Tirana, AL I 1.prize  
Stockholm City Gate I Stockholm, SE I 1.prize  
Ecology & Economy I Kouvola, Finland I 1.prize
- 2010** Amager Waste Treatment Plant I Copenhagen, DK I 1.prize  
Greenland National Gallery I Nuuk, GL I 1.prize
- 2009** World Village of Women's Sports I Malmö, SE I 1.prize  
Faroe Island Education Center I Torshavn, FO I 1. Prize  
Shenzhen Energy Mansion I Shenzhen, CN I 1. Prize  
National Library of Kazakhstan I Astana, KZ I 1. Prize  
Tallinn Town Hall I Tallinn, EE I 1. Prize  
Kaufhauskanal I Hamburg, DE I 1. Prize  
Tamayo Cultural Center I Atizapan, MX I 1. Prize  
National Bank of Iceland I Reykjavik, IS I 1. Prize
- 2008** Danish Pavilion EXPO 2010 I Shanghai, CN I 1. Prize  
Qingdao Bridge I Shangdong Province, CN I 1. Prize  
Odenplan Office Building I Stockholm, SE I 1. Prize  
Superkilen Masterplan I Copenhagen, DK I 1. Prize
- 2007** Walter Tower I Prague, CZ I 1. Prize  
Danish Maritime Museum I Helsingør, DK I 1. Prize
- 2006** Lego Mixed-Use Towers I Copenhagen, DK I 1. Prize
- 2003** Scala Tower I Copenhagen, DK I 1. Prize  
Islands Brygge South Masterplan I Copenhagen, DK I 1. Prize



# PROACTION

To further our understanding of architecture and develop new ways to see, design and make the products around us, BIG commits substantial resources toward proactive research and development proposals. Working closely with the client and users we experiment to find the best organization of program, site and context. Almost like a Darwinian design evolution we select and adapt the fittest forms to the lives we want to live not the other way around. At the same time we strive with a utopian ambition to proactively propose visions without waiting for a competition to be announced or a client to call. The projects that most clearly demonstrate our proactive approach are KLM, a proposal to build 2,000 units of affordable housing in Copenhagen, BRO which creates a new financing scheme to build a bridge by laying it atop of market rate housing, or the visionary HAV which questions the current organisation of global trade

routes, LTDK is an effort to balance low first costs with low lifecycle costs, and BAT which seeks to bridge communities that are separated by belief, socio-economic realities, and language. The premise of these projects is based on our belief that architecture is not about style but about substance, and the very methods and processes that underlie its making. We dedicate 5% of our gross revenues to ongoing research. This commitment to research brings added value and important innovation to our commissioned architectural projects.

# Hvad nu hvis Amager fik en kinesisk mur af boliger?

**Murværk:** Det vil være idiotisk at placere Kløvermarkens fodboldbaner til med huse, mener tegnestuen PLOT. Men hvad med at bygge en korresponden langs kanten af det grønne område tæt på centrum. Og få 3.000 nye lejligheder fri for det københavnske »søvepostejbyggeri«?

Af Lea Karsgaard  
Fotos: Erik Refner

Her er fodboldgræsset, her er parkeringspladser, her er udsigt til byens gamle og et par såkaldte fabrikker – og her til frokosttid er her ingen. Ja, en hund og dens ejer siger den var chef for tegnstuen PLOT, Bjarke Ingels, og peger i retning af en skæfer, som spidder efter en bold langs Kløvermarken på Amager.

»Og måske supplerer sagsadvokaten Andreas Pedersen.

Mes selv om der en hverdagsdag som denne er helt tom på fodboldbanerne rundt om os, er Kløvermarken et helte. Et nærmest helte. For her bliver arkitekterne i weekenden rundt og spiller foreningsfodbold. Her er der en del, der spiller fodbold, en »søvepostejbyggeri« og politikere – og derfor er det nærmest utænkeligt at få lov til at bygge her. Og selv om flere politikere på Københavns Rådhus ønsker at opføre nye boliger til det bestemte klubbeniveau i boligmarkedet.

Men hvorfor skal det endelig bygges her? Spørg de to PLOT-arkitekter, hvorfor ikke få hule og? Med en tre kilometer lang anagelens udgave af Den Kinesiske Mur. Eksempelvis.

Se bare her: En kvadratisk ramme af beton og stål på landets mest centrale i bygningens kante på Vesterbrogade. Og Bjarke Ingels peger rundt langs kanten af Kløvermarkens grønne firkant i midten af modellen. Ideen er at bygge et 20 meter bredt bånd af hele vejen rundt langs kanten af området.

## En pause midt i byen

Kløvermarken var engang Københavns Luffens, men blev anslået til sportsbane, da luffens blev flyttet til Kastrop. Det store grønne areal ligger i det gamle Høved og Christiana og er omgivet af industri, bøger og kulturen. Ikke langt herfra ligger den nye Amager Strandpark og en ny metrostation. Den fremtidige Amagerbane vil fortsætte ind mod Amager netop her.

der er centralt på storene med tre Kongens Havn. Og vokal. Et stykke tre kilometer lang bygning grund laves, hvor en bygget mur med mindst 3.000 lejligheder opføres.

»,uden at der har været så meget som en fodboldbane« fortæller Bjarke Ingels.

Kløvermarken, som tegnstuen har købt den fire og fem år, skal huse og sætte sig i tre etager og op til 12 etager, sådan at udsigten til byens gamle bevares. Der skal være plads til caféer, butikker, foreninger og børnehaver i stueetagen; store porte og bue i flere etager højde skal udføre indgangen til det grønne område i midten. Og i forening med den rydlige Amager Strandpark lige om hjørnet vil kanten være motoren, der spæder op under byudviklingen i området – dommer de to.

En investor har vist interesse for projektet, men siden er køreløst så nu, at den først blev præsenteret for de valgkampsførelse politikere i går. Men PLOT har man



Tættest på de tre si- gers Bjarke Ingels og Andreas Pedersen har PLOT en deres projekt, hvor en tre kilometer lang bygning skal rumme 3.000 boliger.

indfaldt på, at nogen på rådhuset får sig på mulighederne i den korrespondens mur. Og at nogen tør gøre op med dogmerne i hovedstadens byplanlægning. Som for eksempel at det er skidt at bygge her.

Sådan forrige århundrede stiftet har man af byggeindsager og på grund af by- og sanitetsforhold anset det at bo tæt på hinanden for et problem. Tættest har været lig med kammerte forholds, siger Bjarke Ingels og fortsætter.

»Kongens Havn, Fælledparken – og Central Park i New York – er omgivet af tæt by, og derfor er de også mere levende« tilføjer Andreas Pedersen.

Et andet dogme, der skal gøres op med, hvis flammegridningen af Kløvermarken skal have en chance for at blive virkelighed, er »søvepostejbyggeri«, mener Bjarke Ingels. Det er politikere lægger så mange restriktioner ned over nye bygninger, at de altsammen ender med at ligge der i forvejen.

»Hvorfor er nye huse altid så kedelige? Det er fordi, man prøver at sætte det vækst tænkelige scenario ved at diktere en masse begrænsninger – at en bygning højst må være fem-etage etager,

## HVAD NU HVIS ...



I en Ford Focus har Lea Karsgaard og Bjarke Ingels under konference sammen med i landets største største største og de to største største for første. Kløvermarken og Amager. Glede og det bud med af på i vejen. Så kigger vi måske en oveder.

Ring på 2170 1593 eller send en mail til leko@berlingske.dk

Visionen fra tegnstuen PLOT. Kløvermarken på Amager har fået bygget en bygget mur af lejligheder rundt om det store grønne område.

den skal være bygget af mursten, hvor en særlig slags vinduer og så vindene» siger Ingels og fortsætter.

»Men på den måde bliver man nærmest et barokkings, som man prøver med over alle projekter. Skal man opføre en bus skal der ligge de to dogme base, der ligger der i forvejen.«

Og den korrespondens mur? Ja. Den ligner i hvert fald ikke omgivelserne rundt om Kløvermarken. Et varsel. En fabelskov. En fabel i en hel skov.

# PROGRAMMATIC ALCHEMY

During the last ten years we have been involved in projects of increasing size and programmatic complexity. Due to a radical rise in real estate value, relatively low interest rates and explosive housing demand, our native Copenhagen seems to have turned into a little laboratory for new urban life forms.

In a series of projects we have tested the effects of scale and the balance of programmatic mixtures on the social, economical and ecological outcome. Like a form of programmatic alchemy we have tried to create architecture by mixing conventional ingredients such as living, leisure, working, parking and shopping. Programmatic alchemy is the art of combining traditional ingredients in untraditional mixtures in order to create added value.

Each building site is our own test bed to refine our recipe in applying our own programmatic alchemy. Gradually we have introduced spatial diversity, density, programmatic and cultural mix and growing bigness. All elements would until recently have been rejected as alien in a Copenhagen context, but have now been absorbed as integrated elements of the native urban tissue. Through the success of our projects and research in Copenhagen we are now being commissioned by developers and municipalities across Europe to study their distinctive issues and concerns applying our own research based approach.



# ECOLOGY

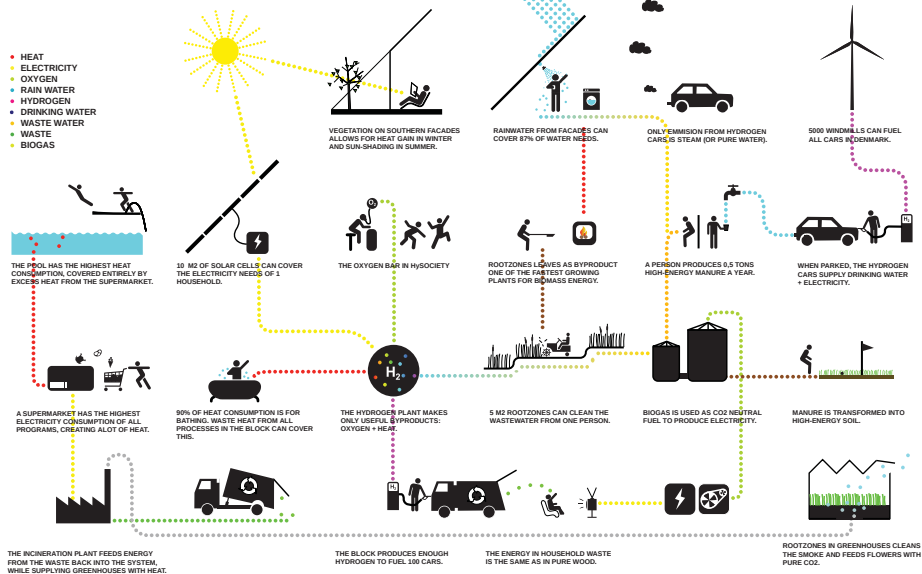
We have always incorporated sustainable initiatives into our projects. In almost every instance these initiatives are not discretionary or additive in nature, but constitute the formative acts around which subsequent design solutions are conceived. Interior and exterior finishes are often comprised entirely of self-finishing materials which require little or no maintenance. Where possible, our buildings are sited to optimize solar orientation, and many integrate inventive day lighting measures through the introduction of atria, light wells, light monitors and skylights.

Several recent projects, including the PSY and 8 House, incorporate vegetated roofs, which aid in storm water retention and thermal efficiency. Or in the case of MAR the undulating wooden landscape actually caps the site's contaminated

soil which breathes new life into a former desolate harbour front.

Buildings are complex networks of diverse systems operating on multiple scales across time. Our architecture explores ways to artfully interweave these systems around the programs they support. This system approach can often enable the selective removal and replacement of one with minimal disruption to others. These strategies allow for ongoing life cycle value by reducing material, money and time dedicated to maintenance. We are proud to be rooted in the Danish tradition of seeking alternative means to balance the energy resources we use in our everyday and would like to bring this innovative spirit to all of our projects.

# €CO SYSTEM



# process

Solving a design problem is not a linear practice; it's an iterative one. So we begin by asking questions, building things, reformulating the parameters, and exhausting the possibilities. Once we have done that we take two steps back to reflect and engage our partners and clients to refine our research.

We use both physical and virtual modelling to investigate a given project all the way from its initial form manipulations to the complex staging of a pre-fabricated window assembly. We find that building physical working models provides us the means to encounter similar problematics as one encounters in the actual construction. We have an extensive model building capability with 5-10 professional model builders on staff utilizing the latest technology such as an EZ laser cutter and a 3-D rapid prototype printing machine.

Similarly we utilize the latest imaging and animation software to create virtual models both for design and presentation purposes. We work with the client to prepare visualisations throughout the process to assist in presenting the project to the user groups and public forums. Once a building is completed we also conduct post-occupancy evaluations in order to learn from each and every project and hear from those who understand the buildings best - their users.



# EVOLUTION

Rather than revolution we are more interested in evolution. As Darwin so aptly demonstrated, that creation is a process of excess and selection, we propose to let the forces of society, the multiple interests of everyone, decide which of our ideas can live and which must die. The surviving ideas evolve through mutation and crossbreeding into an entirely new species of architecture.

What if design could be the opposite of conflict? Not by ignoring it, but by feeding from it. A way to incorporate and integrate differences not through

compromise or by choosing sides but by tying conflicting interests in to a Gordian Knot of new ideas. An inclusive rather than exclusive architecture. An architecture unburdened by the conceptual monogamy of commitment to a single interest or idea. An architecture where you don't have to choose between public or private, dense or open, angled or curved, blond or brunette etc. An architecture where you can have both.



# COLLABORATION

We first begin with an idea. An idea that is informed by its site or its sitelessness, by the client, by its users, and by its ecological footprint which considers both its financial as well as its environmental impact. As the idea takes shape most architects seek out consultants to assist - we seek out partners that can contribute and refine a given idea into more than the sum of its parts. We choose our partners carefully based on their past experience but most importantly on the passion they exhibit for their respective field. We strongly believe that quality is bred by the individuals we choose to work with.

Our past collaborations have included anthropologists, environmentalists, theatre directors, and real estate agents to name but a few. We broaden our

own understanding of a given project through their input which directly impacts our own examination and analysis. Challenges and their built in complexities can be overcome through commitment and assembling the appropriate team of individuals to tackle them. We have been fortunate to have worked with solid can-do professionals in realising the MTN & 8 House as well as the completed SJA, PSY, and VM designs. Our aim is in establishing a worldwide network of partners who are interested in dreaming BIG and following through on their dreamsthrough hard work and learning through every opportunity.



# PEOPLE

We have witnessed exceptional growth over the past eight years and currently employ architects, designers, builders and thinkers operating within the fields of architecture, urbanism, research and development. We come from over 20 countries representing the Far East, Latin America, North America, Continental Europe, and Scandinavia.

Comfortably conversing in over 15 languages allows us to reach far beyond our own borders and engage municipalities, developers, and partners at a very direct and personal level in their own country. We strive to understand the nuances of the cultures within which we work translating it into our own fresh approach to the given task.

The office follows every project from inception through to its conclusion and is thus balanced between design architects and detail oriented constructing architects. We have also begun with XPO to introduce 3-D construction documentation and BIM and have accordingly expanded our knowledge into that arena. We have the depth to execute: from well written specifications to creating the latest visual animation. BIG recruits the best talent from the world's design & architecture schools. Regularly teaching and lecturing at top universities such as the Harvard Graduate School of Design, Bjarke Ingels has the unique opportunity to make the students aware of our highly selective six-month internship program. As critical members of the design team, the students share the responsibility for ensuring their work meets the high standards of the office.



# COMMUNICATION

Communication is the foundation of breaking new ground within design and urban planning. We understand the power of an image and the need to communicate a vision clearly from many different perspectives. The public process excites us as shown in our work in creating the KLM project which seeks to construct 2,000 affordable units of housing in an overheated Copenhagen market. We have learned that design does not always flow downstream. At times there is the need to labour against the current and head upstream, through workshops, public presentations, and investor presentations.

One of the cornerstones of our practice is to assist clients and municipalities in communicating their visions, and this is why some of them have been with us since the founding of our practice. Per Høpfner A/S, Centerplan and Reald-

ania all have stayed with us because our methods respect the integrity of their projects. Our clients come to us with ambitions that we can build on. As soon as we have completed one project, we begin dreaming of another.

Once a building is completed, we also prepare the sales material, making sure that the initial ideas and important attributes are communicated clearly for a successful launch. We have experience in all media - print, television, or web-based - to locate the best means to clearly communicate our vision. Our own website was even nominated for the prized Golden Lion in Cannes, France for its ease of use and playfulness in presenting the depth of our work.



# EXHIBITIONS

|      |                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                         |      |                                                                                                                                                                                                                         |                                                                                     |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| 2010 | YES IS MORE - ARCHITEKTURGALERIE<br>YES IS MORE - WECHSELRAUM<br>YES IS MORE - ARC EN REVE<br>YES IS MORE - OSLO ARCHITECTURE MUSUEM                                                                                                                                                                                                                 | MUNICH, DE<br>STUTTGART, DE<br>BORDEAUX, FR<br>OSLO, NO                                                                 | 2007 | MUSEUM OF CIVILIZATION<br>GRAHAM FOUNDATION<br>STOREFRONT FOR ART & ARCHITECTURE<br>NEW TRENDS IN ARCHITECTURE                                                                                                          | CHICAGO, USA<br>NEW YORK, USA<br>PERTH, AU<br>PARIS, FR                             |
| 2009 | YES IS MORE - AROS<br>YES IS MORE - DANISH ARCHITECTURE CENTER<br>BUILDING SUSTAINABLE COMMUNITIES - DAC<br>WONDERLAND EXHIBITION - ARCHITEKTURZENTRUM<br>INVENTION OF THE EUROPEAN TOWER - PAVILLON DE L'ARSENAL<br>BUILDING SUSTAINABLE COMMUNITIES<br>BIG IN HH - GALERIE RENATE KAMMER ARCHITEKTUR UND KUNST<br>BUILDING SUSTAINABLE COMMUNITIES | ÅRHUS, DK<br>COPENHAGEN, DK<br>VIENNA, AT<br>PARIS, FR<br>ABU DHABI, AE<br>HAMBURG, DE<br>SHANGHAI, CN<br>BARCELONA, ES | 2006 | MIES VAN DER ROHE AWARD EXHIBITION<br>NEW TRENDS IN ARCHITECTURE<br>ETH - EIDGENÖSSISCHE TECHNISCHE HOCHSCHULE<br>GALERIE ARCHITEKTURY - BIG IDEAS<br>DESIGN FACTORY - BIG IDEAS<br>JAROSLAV FRASER GALLERY - BIG IDEAS | BARCELON, ES<br>TOKYO, JP<br>ZÜRICH, CH<br>BRNO, CZ<br>BRATISLAVA, SK<br>PRAGUE, CZ |
| 2008 | DESIGN MUSEUM - TOURISM: SPACES OF FICTION<br>ARCHILAB<br>FONTA DA PIPA - CHAIN REACTION<br>VENICE BIENNALE - DANISH PAVILION<br>VENICE BIENNALE ARSENALE - THE UNETERNAL CITY<br>DAC - GLOBAL COMPACT<br>STOREFRONT FOR ART & ARCHITECTURE<br>MOSCOW ARCHITECTURE BIENNALE                                                                          | PARIS, FR<br>LOULE, PT<br>VENICE, IT<br>VENICE, IT<br>COPENHAGEN, DK<br>LONDON, UK<br>MOSCOW, RU<br>QUEBEC, CA          | 2005 | NEW FACES IN EUROPEAN ARCHITECHTURE<br>NEW TRENDS IN ARCHITECTURE<br>SUSTAINABILITY FESTIVAL<br>KBH<br>BIG BANG                                                                                                         | MAASTRICHT,NL<br>PATRAS, GR<br>COPENHAGEN, DK<br>COPENHAGEN, DK<br>COPENHAGEN, DK   |
|      |                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                         | 2004 | SHANGHAI INTL. CREATIVE FESTIVAL<br>FLORENCE MEDIA FESTIVAL<br>MIES VAN DER ROHE AWARD EXHIBITION                                                                                                                       | SHANGHAI, CN<br>FLORENCE, IT<br>PARIS, FR                                           |
|      |                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                         | 2003 | EUROPEAN PRIZE FOR URBAN PUBLIC SPACES<br>SUPERDANISH<br>VENICE BIENNALE - ITALIAN PAVILION<br>TOO PERFECT - DANISH PAVILION<br>TOO PERFECT - 7 NEW DENMARKS                                                            | EU<br>TORONTO, CA<br>VENICE, IT<br>COPENHAGEN, DK<br>COPENHAGEN, DK                 |





