# Case Study #01 **NEW JALISCO LIBRARY**

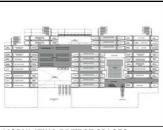
GUADALAJARA, MEXICO

01

roject Name: New Jalisco Library uilding Type: Library
lient: City of Guadalajara
pocation: Guadalajara, Mexico 46,000 m2 empletion: Competition Entry



VER 200 BOEING 727 AND 737 FUSELAGES AF TACKED IN A NORTH-SOUTH SLANT IN RELATION O SUN EXPOSURE FOR ENERGY EFFICIENCY



MODULATING DIVERSE SPACES



INTEGRATING TECHNOLOGY

# Case Study #02 **PUMA CITY** AROUND THE WORLD

Project Name: PUMA City Building Type: Reatil, Office, Lounge PUMA NA Location: Ports around the world 1,100 m2 2007



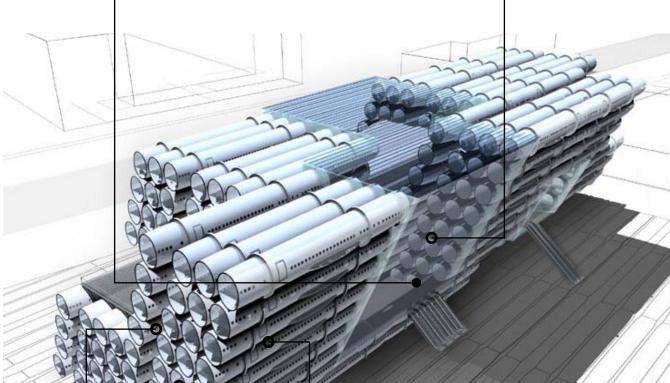
TAVELS ON A CARGO SHIP. IT WILL BE ASSEMBLED OF TIMES



HE STACK IS BRANDED WITH THE SUPER-GRAPHIC OGO OF THE COMPANY — FRAGMENTED AS / RESULT AND THE EXPRESSION OF THE STACK SHIF



RECYCLING SHIPPING CONTAINERS VENTY-FOUR SHIPPING CONTAINERS





#### INVENTING NEW SPATIAL RELATIONS



# EXPLOITING FANTASTIC ENGINEERING

BOOKSHELVES LINE THE ENTIRE FUSELAGE AND, IN THE MIDDLE, LOWER UNITS COMBINE SHELVING BEATING AND COMPUTERS FOR DIRECT RESEARCH



WORKING WITH THE OBJECT FEATURES



CREATING A NEW ECOLOGY

THE FUSELAGE OF A DECOMMISSIONED AIRPLANE CANNOT BE EFFECTIVELY RECYCLED. THE COST OF DEMOLITION EXCEEDS THE PROFIT OF RESALE



#### MODIFYING EXISTING TECHNOLOGIES



#### DISCLOSING THE OPERATIVE SYSTEMS



#### CHALLENGING THE OBJECT STRENGTH

HE BUILDING IS CONCEIVED AS A 3-LEVEL STACI DF CONTAINERS, SHIFTED TO CREATE INTERNA DUTDOOR SPACES, OVERHANGS AND TERRACES



#### CHALLENGING THE OBJECT SPACE



### **BUILT PEDAGOGY**

LOT-EK is a design practice that believes in being unoriginal, ugly, and cheap. Also in being revolutionary, gorgeous, and completely luxurious. We believe that these conditions are not contradictions, but are in fact mutually dependent, and that it's necessary to question and dissolve these categories in order to develop a contemporary understanding of what it means for buildings to be efficient and effective, ecological and economical.

For almost a generation, many architects have spent their time on complex formal expression, achieved through the remarkable processing power of modern computing, with an increasingly fashionable 'green' requirement added as a kind of ornament late in the design process. While we appreciate some of the shiny and shapely results, we see them, like so many expensive products of the recent past,

We've spent much of that same generation investing our energy in a different way: our research and design has tried thoughtfully to address how architecture deploys resources, both natural and financial, to create meaningful places, places to discover and learn from.

Within the context of Melbourne and Australian heritage, we're fascinated by the paradox of a land and landscape rich in agricultural, material and mineral resources, but for which the delivery systems of manufactured goods have, since the beginning, had to be continental or global in scale.

We're learning from local creative responses to this paradox, such as the iconic traditional Australian application of industrial galvanized metal to housing and domestic use, (as well as innovative mining and farming typologies and technologies). We're interested in the historic balancing act between distance, scarcity, and

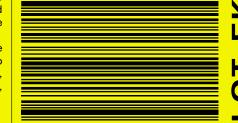
ingenuity that resulted, and we find a provocative resonance between this heritage and our present moment.

Today, our approach to ecology and economy begins with technology. We don't promise some utopian future technology that will make everything effortless. We don't look for a false cleanliness, or hide the effort behind making, maintaining, and inhabiting the built environment. Instead, we begin by looking for the dirt: for the backstage objects, products, and artifacts that enable architecture to exist.

We look at the wrong sides of things. We look under tables and under cities. We scan for hidden messes. And hidden systems. And we reveal them for all of us to learn from them. The manufactured objects that interest us include: air conditioners, airplanes, antennas, billboards, highways, jetways, and tunnels; boats, booths, boxes, coils, containers, cranes, ducts, lifts, lights, and sheds....

....packaging, parking, plumbing, scaffolding, tanks, tracks, trucks and wires.

# ARCHITECTURAL DESIGN COMPETITION



THE UNIVERSITY OF MELBOURNE Ш

# Case Study #03 **PIER 57**

NEW YORK, USA

Project Data

roiect Name: Pier 57 uilding Type: Culture/Retail/Park YoungWoo & Associates 40,000 m2 T.B.D.



LAYERING THE ROOF WITH SOIL



OPENING THE EXISTING STRUCTURE OVERED INTERIOR STREET TRAVERSES



EXPERIENCING THE OUTDOOR SPACE NOUTDOOR AMPHITHEATER ACTIVATES THE S

# Case Study #04 SANLITUN NORTH

BEIJING, CHINA

Project Data

roject Name: Sanlitun North uilding Type: Retail / Office Guo Feng Development Beijing, China Location:



CONNECTING INDOOR AND OUTDOOR



CONNECTING INDOOR AND OUTDOOR HE STEEL EXTRUSIONS FUNCTION AS ENTRANC SPLAY AND BAY WINDOWS AND EXTEND TI TERIOR SPACE/PROGRAM ONTO THE PIAZZA



TAINLESS STEEL EXTRUSIONS WITH LARGE



INTERWEAVING DIFFERENT FUNCTIONS



# LETTING THE BUILDING BREATH

# LETTING IN NATURAL LIGHT

# RECYCLING SHIPPING CONTAINERS .50 USED SHIPPING CONTAINERS ARE MODIFIED CONNECT VERTICALLY AND HORIZONTALLY DRDER TO BECOME THE INDOOR MARKET

# ACTIVATING WITH LIGHT + MOVEMENT GE EXTRUSIONS PIERCE THE MESH AND BEND H VARYING ANGLES. AT NIGHT, THE EXTRUSIONS

# FILTERING SUNLIGHT AND NOISE HE MESH PERFORMS AS A SECOND SKIN UFFERING THE CITY NOISE LEVEL AND FILTERING RECT SUNLIGHT FOR ENERGY EFFICIENCY





#### THE LIVING BUILDING

What do we do with this stuff? First, we love it. Some of these marginal artifacts, as artists from Duchamp to Warhol have shown us, have a profound readymade beauty and integrity. These objects require us only to look twice or to look sideways, to understand that we are surrounded by anonymous perfection, and that the familiar is very strange. But we try to go deeper into understanding these objects' systems of production, from the economies of repetition and reproduction in industrial manufacturing, to the upstream-downstream life-cycles of raw materials, by-products, and waste. We try to develop an understanding of objects not as independent forms, but as interdependent components in an ecology of technology: a complex local and global system of finding, moving, sorting,

making, changing, and using resources, in which the physical object is an expression of otherwise invisible systems that make up our social, financial, and natural world.

What does this mean for the architecture that we make? Ours is a transformative architecture, and in this way it is critically and creatively unoriginal. Instead of the vain inefficiency of generating a singular expressive form and adapting material systems to its excessive requirements, we search for ways to radically customize, combine, and co-opt existing forms, assemblies, and structures. In this way we are both luxurious and cheap.

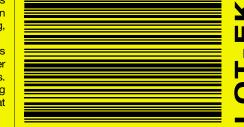
We do this with two intentions. First, we believe that some objects of human industry, such as the fuselage of a Boeing 737, have reached such perfect equilibrium of form, manufacturing efficiency, and material structure, that it is the task of architecture not merely to imitate them, but to humbly apply the radical efficiency

of using them directly. And in doing so, we reveal hidden treasures, such as the stunning acoustics of the interior of a cement truck barrel tank.

Our second intention is to explore a new equilibrium between the built environment, and the natural and industrial systems from which that environment is sourced. We exploit the existing economies of scale, inhabit the existing carbon footprints, and creatively divert the delivery point of existing manufacturing, shipping and operating systems.

A small intervention far downstream in the cycles of those systems, such as shipping a dozen rural municipal water tanks to a dense downtown block in order to build a library, both utilizes the power, and criticizes the limits, of these systems. We divert, convert, invert, and pervert, in order to perfect. Beyond mere recycling or adaptive re-use, we try to catalyze new cycles of use and create buildings that breathe and live.

# ARCHITECTURAL DESIGN COMPETITION



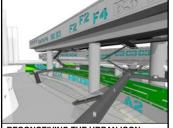
THE UNIVERSITY OF **MELBOURNE** 

# Case Study #05 HK DESIGN INSTITUTE

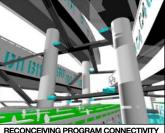
HONG KONG, CHINA

05

roject Name: HK Design Institute ilding Type: Design School HK Design Institute Hong Kong 50,000 m2 mpletion: Competition Entry



RECONCEIVING THE URBAN ICON HE SCHEME CREATES A STRONG ICON TO STAND WTH ITS LINEARITY AGAINST THE DENSITY AND ERTICALITY OF HONG KONG'S URBAN LANDSCAPE



THE ELEVATED VOLUMES ARE DESIGNED MINIMIZETHE IMPACT OF VERTICAL STRUCTURE A VERTICAL CIRCULATION ON THE GROUND PLANE



REINVENTING SPACE AND PROGRAM DIRECT IMPLEMENTATION OF THE HIGHW

# Case Study #06 SANLITUN SOUTH

BEIJING, CHINA

Project Data

roject Name: Sanlitun South Building Type: Retail Complex Guo Feng Development Beijing, China Location:



QUESTIONING EXISTING TYPOLOGY HE PROJECT REVISITS THE OLD TYPOLOGY OF TH

GALIGING TRANSPARENCY ORANGE MESH WRAPS THE EXTERNAL PERIMETER OF THE ENTIRE NORTH-EAST SECTION ADDING PRIVACY AND SUN REFRACTION TO THE FAÇADES



RECONCEIVING THE IDEA OF BUILDING

HE 3 BUILDINGS ARE TREATED AS ONE EDIFICE NCORPORATING INDOOR AND OUTDOOR SPACES NTERSECTED BY TWO PEDESTRIAN ALLEYS



#### ABSORBING DIFFERENT NEEDS

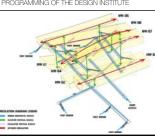


#### REINVENTING SPACE AND PROGRAM

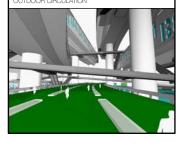
HE GROUND AND ROOF PLANES ARE THE CAMPUS GREEN SPACES, EASILY ACCESSIBLE FROM THE DIFFERENT DEPARTMENTS



#### AFFORDING FLEXIBLE OCCUPATION



#### CREATING DYNAMIC EXPERIENCE



#### INTERWEAVING CIRCULATION

THE CONTAINERS ARE PIERCED BY THE HORIZONTAL CIRCULATION FUNCTIONING AS ENTRANCE TO THE STORES AND AS DISPLAY WINDOWS



#### RE-ENGINEERING TECHNOLOGIES

FRAMES FUNCTION AS RAILING AND BRISE-, DEFINING PEDESTRIAN LOGGIAS ON THI



#### MODULATING THE INTERIOR SPACE

THE SHIPPING CONTAINERS INSERTION GENERATE SPECIAL AREAS WITHIN THE INTERNAL PROGRAM T RESPOND TO THE DIVERSE REQUIREMENTS



# RECYCLING SHIPPING CONTAINERS

06

SHIPPING CONTAINERS ARE INSERTED INTO THE ACADES AND JUT OUT INTO THE ALLEYS PROVIDING OPPORTUNITY FOR SPECIAL INTERIOR

#### THE ACADEMIC ENVIRONMENT

We choose not to choose between architecture that develops new ecologies and economies, and architecture that calms, protects, provides, inspires, and rewards the body and spirit. We don't merely seek to do more with less, but instead to think deeply about what we measure with those adjectives. The operations that we apply have a humanistic, as well as tectonic intent. Like all modern architects, we like machines. But we like people more. In fifteen years of making buildings the way that we do, we've developed strategies that begin with the evolving lived-in experience of those buildings, and have found detailed and subtle ways of re-engineering a high-tech legacy to achieve humane environments. It's an approach to economy and ecology that we feel

is right for right now, and for good.

LOT-EK methodology and vision, solidly rooted in our direct experience of the contemporary urban condition, from super-dense New York to sprawling Los Angeles, from ancient Naples to totally renewed Beijing, will afford Melbourne and its University a critical and creative re-interpretation of the urban environment on the brink of a new era marked by the need of responsible and sustain-

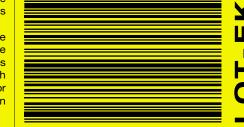
The insertion of a significant public building, such as the new building for The Faculty of Architecture, must in fact become the catalyst and the inspiration for a new urban ecology. Just as importantly, the new building must live up to its potential to stimulate renewed creative impulses and practices within the school in order to redefine the academic environment.

LOT-EK principals share a ten-year teaching experience and a great passion for

the human, intellectual and creative exchange that is concentrated in an architecture school. Through teaching at the Graduate School of Architecture of Columbia University and lecturing in art and architecture schools around the world, we recognize the hunger for a critical, interdisciplinary and open-source approach to learning. We also recognize a hunger for more substance and less glossy-and-slick form making.

The building LOT-EK will envision for the Faculty of Architecture embodies the process of making and the process of learning; creates a landmark within the community through a striking presence and a powerful performance; focuses on its relationship to ground and surroundings to offer strong interaction with landscape and community; ultimately forms a complex and surprising interior world, redefining and transforming the experience of creative learning within the school.

# ARCHITECTURAL DESIGN COMPETITION



THE UNIVERSITY OF **MELBOURNE** 







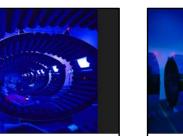
MIXER, URBACH ARCHITECTURE GALLERY, NY







SHIPPING CONTAINERS HOUSING OFFICE FUNCTIONS MOVE ON TRACKS TO CHANGE THE SPACE FOR MULTIPLE USES



DISCOVERING UNEXPECTED SPACES HE MODULES ARE LINED WITH RUBBER TUBES A UIPPED WITH TV SETS. VIEWERS EXPERIENCE THI /EALED ELLIPTICAL INTERIOR SPACE OF THI

**OUTFITTING TECHNOLOGY** 

EXTRUDING SPACE

TRIPLING SPACE

HEN IN USE, ALL SUB-VOLUMES ARE PUSHED UT, LEAVING THE INTERIOR OF THE CONTAINER OMPLETELY UNOBSTRUCTED.

53 FOOT LONG TRUCK TRIPLES IN SIZE AND



GENERATING SPACE

ALL PANELS MOVE ALONG WITH THE CONTAINER GENERATE EXHIBITION SPACES ACCORDING TO RATORIAL NEEDS

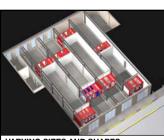
INCAPSULATING TECHNOLOGY OPING INTIMATE ENVIRONMENT ANIMATED B' LE FORMS OF MEDIA



ALIGNING PROGRAM IE BUILT-IN EUBNITUBE OF FACH SUB-VOLUME IS



DISPLAYING WHAT IS HIDDEN LL THE CLOTHES DISPLAY IS REDUCED TO A THIN



VARYING SIZES AND SHAPES S SET UP THEIR GALLERY FROM A MODULAR M WITH NO WASTE OF MATERIAL AND Y BUILDING/TEARING WALLS



**RE-IMAGINING AN ORDINARY OBJECT** HE SIMPLE MYSTERIOUS INDUSTRIAL SHAPE OI HE OIL TANK IS RE-IMAGINED AND ITS INTERIOR PACE IS REVEALED.



SURROUNDING WITH CONTENT



PULLING OUT STORAGE ROLLING BOOKSHELVES AND CLOSETS OPEN INTO THE CENTRAL VOLUME OF THE CONTAINER.



GAINING SPACE HE ETTING BOOMS COLLAPSE TO THE CELLING TO ROVIDE VALUABLE SPACE WHEN NOT IN USE





ANCO LOBBY - JERSEY CITY, NJ







LONG PERSPECTIVE OF ON/OFF FLUORESCENT UBES ECHO THE SEQUENCE OF A ONES AND EROS THAT CONSTITUTE A BITSTREAM



CARVING OUT AN OIL TANK HATCHBACK DOORS CUT FROM BOTH SIDES OF HE TANK ARE OPENED BY HYDRAULIC PISTONS TO FFER SUNLIGHT AND VENTILATION



**EMBEDDING TECHNOLOGY** 



FILTERING PRIVACY FUNCTIONS ARE PLACED IN FOUR E ELEMENTS THAT ENABLE MULTIPLE RATIONS OF THE EXHIBITION SPACES



TRAVELING SPECTACLE THE ENTRANCES FOR ACTOR AND ALIDIENCE ARE





INHABITING AN OIL TANK A METAL LADDER LEADS TO A RING OF CATWALKS AT THE MEZZANINE LEVEL TO GIVE ACCESS TO THE SLEEPING PODS



COMBINING OFF-THE-SHELF MATERIALS STACKS OF SCAFFOLDING WOOD PLANKS CREAT BENCHES AND CANOPIES FOR VISITORS TO RELA DN AND INTERACT WITH VIDEO ART



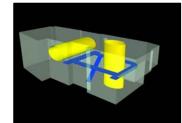




HARD SHATTER PLILLS OUT AT THE START OF THE PLAY TO CONNECT THE TWO SPACES



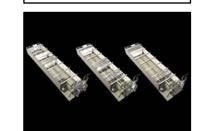
ISED SHIPPING CONTAINERS ARE MODIFIED DAPT ARCHITECTURAL NEEDS A RANSFORMED INTO BUILDING MODULE.



ADAPTING OTHER TECHNOLOGIES AN OIL TANK CUT IN 2 SECTIONS IS IMPORTED INTO A LOFT SPACE TO ENCLOSE INTIMATE FUNCTIONS LEAVING THE SPACE OPEN



BENDING ELECTRIC CONDUIT



SLIDING SPACE THE 3 MOVABLE ELEMNTS SLIDE TO CHANGE THE SIZE AND SHAPE OF 4 SPACES IN AN ENFILADE.



THE AUDIENCE SITTING AREA INCORPORATES A PEEP-BOOTH CHAIR WITH RED PADDED VELVET

# THE DESIGN STUDIO

LOT-EK's research and methodology seeks to discover/invent a new tectonic along with new spatial and progamatic qualities - by challenging and embracing our material culture and universe of products. URBANSCAN (collection of raw data and foundation of our design methodology)

is a systematic, on-going photographic recording of our contemporary urban reality. This research focuses on man-made objects and systems, not originally intended for architectural use, and the way they proliferate, accumulate, overlap and interfere with the built as well as the natural environment around the globe. Objects are observed and selected for their availability and their architectural qualities: volume, space, form, structure, functionality, technology, material, size, transportability, modularity, etc... In order to exploit such qualities, a series of

simple Operations are implemented to modify the Objects, creating complex architecture configurations and fulfilling programmatic needs.

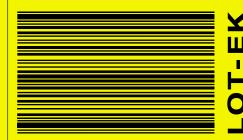
These Operations are inspired/derived from the observation of how Objects exist and behave within our environment: the way they are stored, transported, placed, used or occupied. Operations transform Objects through forceful actions that are as physical as they are conceptual, pushing the limits of basic assemblies into complex, fantastic and compelling spaces, volumes and

By modifying and assembling Objects together, our buildings inherently present spaces with radically different characteristics that can be successfully exploited for different programmatic needs. From intimate spaces within single Objects, to modular/flexible spaces within series of communicating Objects, to narrow spaces between Objects, to large spaces surrounded and defined by Objects.

The calculated coexistence of all these spatial opportunities within one building generates dynamic, unexpected sequences of private, semi public and public spaces or modular/flexible vs. fixed spaces or interior and exterior spaces.

Through their ten-year experience working with graduate students at Columbia University, LOT-EK principals understand that the Design Studio must be the lively and vibrant core of the Faculty of Architecture. Precisely by positioning the Design Studio within such spatial sequences in an interactive and flexible continuum will allow it to absorb and propagate the culture of the school. As in most of our buildings an interactive technology infrastructure will infiltrate and become an integral part of the architecture of the building to transform and animate the academic spaces allowing interactive display and creative exchange and deepening the inter-connection within the different groups/individuals that populate the school and between the school and the global culture.

# ARCHITECTURAL DESIGN COMPETITION



THE UNIVERSITY OF **MELBOURNE** 



WEIRICINA CIRIANYAN BETTETETE

**Partner Architect** 













ARUP / Bio 21 - Melbourne, Australia
This was the first stage in the Victorian government's
BIO 21 initiative to produce a multi-storey laboratory
building for biotechnology research.

# LOT-EK

#### **LOCATION: NEW YORK, USA**

**PROFILE:** LOT-EK, a design studio based in New York City, has achieved high visibility throughout the world for its sustainable and innovative approach to construction, materials and space; for the use of technology as an integral part of architecture; for addressing issues of mobility and transformability in architecture; and, for blurring the boundaries between art, architecture and entertainment. Founded in 1993, the firm has been involved in mix of international residential, commercial and institutional projects. In addition, LOT-EK has designed site-specific installations for major cultural institutions and museums, including MoMA, the Whitney Museum and the Guggenheim.

+

LOT-EKs sustainable approach to construction through the adaptive reuse of existing industrial objects and systems has been the basis of projects at all scales. Committed to ecologically-responsible, intelligent methods of building, the team takes advantage of the technological properties of existing industrial objects to create architecture. They not only recycle objects but recycle the intelligence that went into their development. Beyond the inherent sustainability of their design methodology, LOT-EK is committed to researching and implementing sustainable technologies as a means to emphasize overall design concepts.

#### **KEY TEAM MEMBERS:**

#### **ADA TOLLA and GIUSEPPE LIGNANO**

#### **ROLE:** Lead Designers

LOT-EK's founding partners, Tolla and Lignano, have a Master Degree in Architecture and Urban Design from the Universita' di Napoli, Italy (1989) and completed post-graduate studies at Columbia University, New York (1991). Besides heading their professional practice, they are currently teaching at Columbia University, Graduate School of Architecture, in New York. They lecture at major universities and cultural institutions throughout the U.S. and abroad.

#### **WILLIAM FEUERMAN**

#### ROLE: Project Manager, Liaison

Feuerman received a Master of Science in Advanced Architectural Design from Columbia University (2006) and a Bachelors of Architecture from the California College of the Arts (2002). Feuerman has worked at several leading international design firms including Bernard Tschumi Architects where he worked on the University of Cincinnati Athletic Center and the Florida International University School of Architecture. Feuerman is currently teaching at Columbia University, Graduate School of Architecture and Pratt Institute.

#### **NEW YORK** 01:00 02:00 03:00 -04:00 05:00 06:00 -07:00 08:00 00:00 09:00 10:00 -- 02:00 11:00 -03:00 12:00 -- 04:00 ≥ 13:00 -□ 14:00 -- 05:00 14:00 -06:00 15:00 07:00 16:00 17:00 - 09:00 24 H 18:00 10:00 **OFFICE** 19:00 - 11:00 20:00 12:00 21:00 13:00 22:00 - 14:00 15:00 - 16:00 - 17:00 - 18:00 - 19:00 20:00 21:00 22:00 - 23:00 **MELBOURNE**

# **AMA**

#### **LOCATION: MELBOURNE, AUSTRALIA**

**PROFILE:** Andrew Maynard Architects (AMA), based in Melbourne, was established in 2002. AMA situates its practice as a balance between built projects and broad polemical design; concept rich, left of centre and sustainability conscious. This is demonstrated in AMA's highly crafted built work and socio-politically based concepts, both of which have been widely published and have garnered global recognition.

#### **KEY TEAM MEMBERS:**

#### **ANDREW MAYNARD**

**ROLE:** Partner Designer

Maynard, founder and Director of AMA, received a Bachelor degree in Environment Design (1996) and a Bachelor of Architecture (1998) from the University of Tasmania. Prior to forming AMA, Andrew worked for a number of recognized firms, including Allom Lovell and Woods Bagot Melbourne, where he was involved in the design of numerous, large scale commercial and institutional projects throughout Australia and South East Asia. His practice has combined innovative and unorthodox problem-solving with sensitivity to historic sites and conditions. Andrew is a Registered Architect in the state of Victoria.

#### **MARK AUSTIN**

**ROLE:** Project Manager

Austin, an Associate Director at AMA, holds a Bachelor of Environmental Design from the University of Tasmania (1993) and a Bachelor of Architecture from the University of Melbourne (1997). Before joining AMA, Mark trained in London, working on projects ranging from urban redevelopment projects in the West End to commercial works in the UK's South East. Back in Melbourne, Austin worked in the residential & commercial sectors of the city with Col Bandy Architecture.

# PLUS ARCHITECTURE

#### LOCATION: MELBOURNE, AUSTRALIA

**PROFILE:** Plus Architecture, established in 1997, is one of the leading architectural practices in Melbourne. Plus has an extensive and diverse range of experience and ability, from large scale master planning and mixed-use projects, to boutique retail, conference and recreational facilities. Plus Architecture, with extensive knowledge in government procedures and policies, is experienced in successfully completing complex projects in the city of Melbourne.

#### **KEY TEAM MEMBERS:**

#### IAN BRIGGS

**ROLE:** Production

Briggs has a Bachelor of Environmental Design and a Bachelor of Architecture. He is a Registered Architect in Victoria as well as a registered 1st Rate Assessor who integrates ESD principles into all of his designs. Since joining Plus Architecture, Ian has played an integral role as a Design Director on a number of projects including, MAB Corporation's NewQuay, Docklands Masterplan, Stockland's major Tooronga Village Redevelopment in Glen Iris, and the masterplan for West Precinct in Melbourne's Docklands.

#### **AXEL BAUMANN**

**ROLE:** Production

Baumann has a Bachelor of Architecture from the University of Applied Sciences in Hamburg and a Masters in Architecture from the University of Kassel, Germany. In 2006 Axel was awarded a State commission to establish a 15-year Facility Plan for 7 different public schools in Offenbach. Since joining Plus in 2007, Axel has worked on various competition submissions and feasibility studies for MAB at Melbourne's Docklands and recently has been the Project Architect for Wrap Southbank Baracon's new residential and serviced apartment development on City Road.

# -ARUP

**Engineers** 

#### LOCATION: MELBOURNE, AUSTRALIA NEW YORK, USA

**PROFILE:** Arup is a global organization of designers, engineers, planners and business consultants, founded in 1946. It has a constantly evolving skills base and works with local and international clients around the world. Arup's leaders who will be responsible for the delivery of this project are renowned for designing and delivering outstanding engineering for many of the landmark buildings in Melbourne, across Australia, and internationally.

Arup is a member of, Engineers Australia, the Association of Consulting Engineers Australia, the Property Council of Australia; and the Australian Construction Industry Forum

#### **KEY TEAM MEMBERS:**

Peter Bowtell

Role: Technical Director, Melbourne

Joseph Correnza

Role: Project Director, Melbourne

Susan de Vere

Role: Design Manager, Melbourne

**David Scott** 

Role: Principal, New York

John Bahoric, Structural Leader; Paul Simpson, Civil Leader; John Legge-Wilkinson, CAD Leader; Russell Jessop, Mechanical Leader; Peter Adcock, Electrical Leader; Pippa Connolly, Building Sustainability; Dr Gerard Healey, Building Sustainability; James Selth, Strategic Sustainability; John King, Façade Engineer; Trevor Buckley, Hydraulics & Fire Protection; David Graham, Fire Engineer; Sarah Alpher, Acoustic Engineer; Bruce Johnson, Transport Planning & Traffic Engineer; Paul Stanley, Pedestrian Planning; Sean Tobias, Vertical Transport

# **CAPABILITY AND PROCESS**

#### **24-HOUR OFFICE**

For this project, an international team of skilled professionals has been assembled to meet the needs of the University of Melbourne.

In addition to the value of bringing together diverse, global perspectives and talents, an international team has the added benefit of operating as a 24- hour office, dedicated to completing this project on time and on budget.

For this collaboration, LOT-EK will serve as the lead designer, partnering with Andrew Maynard Architects (AMA), registered architects in the state of Victoria.

To facilitate cohesive design and solid execution, LOT-EK will have a project manager/liaison representing the firm in Melbourne. This liaison will guarantee a close connection between LOT-EK and AMA and commute between Melbourne and New York as needed. If selected, LOT-EK is ready to send this liaison to Melbourne starting immediately with the next competition phase. Both LOT-EK and AMA are composed of a tightly-knit group of passionate, motivated designers lead by principals who are involved in all components of each project. Because of their firm structures, LOT-EK + AMA will enable an acute design sense, drawing on years of research, to be brought to life in every detail of the project.

Rounding out the team, Plus Architecture, a firm with a successful history of completing large, complex projects in the Melbourne metropolitan area, will manage the design and documentation of this project, working together with

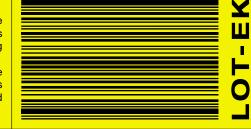
Arup, an internationally recognized multidisciplinary firm of designers planners and engineers.

With its global presence, Arup will contribute to the 24-Hour Office structure with dedicated principal and staff in their New York office that will work with LOT-EK in collaboration with their Melbourne office.

Our objective is to work closely with the Faculty of Architecture and the University of Melbourne to deliver an exceptional and iconic building that is based on responsible and sustainable choices; and that meets the evolving needs of the university, the students, the community and the city.

We are aware of the deep responsibility that such a process entails and we are confident that our international design team can be relied on for its creativity, innovation, professional competence, experience, cohesion, and integrity.

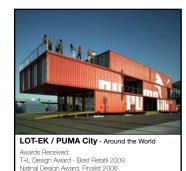
# ARCHITECTURAL DESIGN COMPETITION NEW BUILDING FOR THE FACULTY OF ARCHITECTURE BUILDING AND PLANING



THE UNIVERSITY OF MELBOURNE









**Partner Architect** 





**AMA** 

PROJECTS:

residential buildings

concepts & polemics

**EXHIBITIONS:** 

PUBLICATIONS:

AWARDS:

multi residential buildings

2009: VADER HOUSE, Melbourne, Australia

2007: TATTOO HOUSE, Melbourne, Australia

2006: STYX VALLEY PROTEST, Shelter, Tasmania

2006: STYX VALLEY PROTEST SHELTER, Tasmania

2006: PAST, PRESENT, FUTURE EXHIBITION, Exhibitor

2009: THE AGE, See the Light' Living by Design, Australia

2009: NEW PREFAB, Equipo Loft Publishing, Spain

2009: POLISH PRESTIGE HOUSE/April 2009

2009: DESIGNER/March 2009. Issue 104. UK

World's Best Houses in Australia and NZ?, USA

2008: SPACES/August 2008, Issue no 25, UK

2008: CASAMICA, Volume 05, 2008, Italy

2009: VISION AWARDS, Winner

2009: RAIA AWARDS, Shortlisted

2009: IDEA AWARDS, Shortlisted

2009: HOUSE & HOME, Volume 31, No 2, Canada

2008: VOYEUR/DECEMBER 2008, Virgin In-flight Magazine

2008: PASAJES DISENO/May 2008, Volume 02, Madrid, Spain

2008: EBEN INTERIORS, Volume 57, Barcelona, Spain

2008: ARCHITECTURE & DETAIL, Volume 04, China

2008: EBEN INTERIORS, No 57, 2008, [Barcelona]

2008: METROPOIS, Volume 09, New York, USA

2004: YOUNG GUNS 04, New York City, Winner

2007: KUALA LUMPUR CITY CENTRE TOWERS, Kuala Lumpur, Malaysia

2005: CITY OF MILAN AWARD for Young Foreign Designers, Exhibitor

2009: HEALTHCARE ON THE MOVE, Royal College of the Arts, UK

2009: THE AGE, New Meets Old in a House of Secrets, Domain, Australia

2009: ARCHITECTURE NOW - HOUSES, Tashen publication, Slovenia

2009: MELBOURNE MAGAZINE/January, Nine Faces to Watch in 09'

2009: DWELL/January 2009. Smarter Greener More Daring. Why are the

2008: THE AGE/April 12, 2008, The Grassroots Motions for Green Roofs

2008: MARK- ANOTHER ARCHITECTURE/May, Mark Pub., Netherlands

2008: VICTORIAN MASTER BUILDER AWARDS, Best Reno./Ext., Winner

2008: ASPAC COMMUNITY DEVELOPMENT, Hyderabad, India, Winner

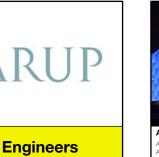
2000: ASIA PACIFIC DESIGN AWARD 2000, 'The Design Pod', 1st Prize

1997: SW BLYTHE ARCHITECTURE AWARD, 'Buildings in the Park',

1998: GRAPHISOFT PRIZE, 'The Devil's Ballroom', 1st Prize

2008: AUSTRALIAN FINANCIAL REVIEW/April 4-6, 2008, Australia







stralian Engineering Excellence Awards, 2008 EA (Asso. of Consu. Eng. Aus.) National Award, 200

# LOT-EK

### **LOT-EKprojects**

#### cultural buildings

2008: PIER 57, (mixed use) Chelsea, New York

2006: HKDI, Hong Kong Design Institute

2005: NEW JALISCO LIBRARY, Guadalajara, Mexico

#### commercial buildings

2009: Billboard Building, art + retail, New York

2008: PUMA City, mobile building for Volvo Ocean Race 2008-2009

2005: SANLITUN SOUTH, retail complex, Beijing

2005: SANLITUN NORTH, retail/office building, Beijing

#### residential buildings

2007: WEINER TOWN HOUSE, West Village, New York

2007: 87 LAFAYETTE TOWER, Court District, New York

2007: CHK, Container Home Kit

#### mobile architecture

2006: UNIQLO CONTAINERS, pop-up stores, New York

2004: DIM MOBILE RETAIL UNIT, traveling clothing retail unit, USA

2002: MDU, mobile dwelling unit

#### cultural renovations

2002: BOHEN FOUNDATION, Meat District, New York

2000: NEW MEDIA GALLERY, New Museum of Contemporary Art, Soho, New York

#### 2000: SARA MELTZER GALLERY, Chelsea, New York

commercial renovations 2005: UNIQLO +, Kuzuha Store, Osaka: Musashisakai Store, Tokvo

2004: UNIQLO +, flagship store, Osaka, Japan

#### residential renovations

2007 :CANCO LOFTS LOBBY, Jersey City, NJ

2000: MORTON LOFT, West Village, New York

1995: GUZMAN PENTHOUSE, Midtown, New York

#### exhibition+event design

2008: SMART CAR LAUNCH, Chelsea, New York

2007: X-STATIC PROCESS, Steven Klein's Madonna video portraits, Louis

Vuitton Store, Roppongi, Korea, Tokyo, Moscow, New York

2003: MIND SETS, web exhibition, Guggenheim, New York

2001: SOUND-CHANNEL, sound exhibition, Bitstreams, Whitney Museum, New York

### art installations

2008: GREEN-ENERGY GEL BULB

#### LOT-EKawards

2009: T+L DESIGN AWARD, Best Retail, PUMA City

2008: NATIONAL DESIGN AWARD. Architecture Finalist, Cooper-Hewitt National Design Museum

2005: I.D. Annual Design Review. Best of Interactive Design Category 2002: NATIONAL ENDOWMENT FOR THE ARTS GRAN - MDU

2002: AMERICAN CENTER IN PARIS GRANT. Funds for the MDU

2001: NATIONAL DESIGN AWARD. Environment Design Finalist, Cooper-Hewitt National Design Museum

#### 1999: EMERGING VOICES. Architectural League, New York

#### **LOT-EKpublications**

#### monographs

2003: LOT-EK: MDU. Aaron Betsky, Robert Kronenburg, Henry Urbach. DAP, NY 2002: LOT/EK URBANSCAN. Essays by Philp Nobel. Princeton Arch. Press, NY 2000: MIXER, by LOT/EK - essay by Mark Robbins Edizioni Press, New York

2008: PORTABLE ARCHITECTURE, Robert Kronenburg. Pub. by Birkhauser, London 2008: EX-CONTAINER, by Yasutaka Yoshimura. Published by Graphic-sha, Tokyo

2008: Y08: THE SKIRA YEARBOOK OF WORLD ARCHITECTURE 2007-

2008 by Luca Molinari. Published by Skira, Milan

2007: DESIGN NOW, by Charlotte & Peter Fiell, Taschen, Germany 2007: CONVERSIONS, Emma O'Kelly & Corinna Dean. Laurence King Pub, London 2007: SMALL ENVIRONMENTS, Rockport Publishing, Massachusetts

#### periodicals

2009: DBZ/February 2009, Berlin. Gegen den Strom LOT-EK, New York

2009: WOUND/January 2009. London. In-The-Box PUMA City by LOT-EK 2008: AMC/December 2008, France. LOT-EK PUMA City Alicante

2008: INTERNI/December 2008, Italy. Archicontainer by Danilo Premoli

2008: NEW YORK TIMES MAGAZINE/June 8, New York. A LOT-EK Solution

2008: MARK/April-May 2008. View Point, Shipping News by David Sokol

2008: METROPOLIS/April, New York. LOT-EK Ships to Beijing

2007: DWELL/Sep, New York. LOT-EK Surf-A-Bed Installation Henry Urbach

#### **LOT-EKexhibitions**

#### solo

2004: WHITNEY MUSEUM, New York, MDU, Mobile Dwelling Unit

2003: WALKER ART CENTER, Minneapolis. MDU, Mobile Dwelling Unit

2000: HENRY URBACH ARCHITECTURE, New York. Mixer

#### 2008: VENICE ARCHITECTURE BIENNALE, Venice, Italy.

2003: WALKER ART CENTER, Minneapolis. Strangely Familiar

2003: SÃO PAULO ARCHITECTURE BIENNAL, Sao Paulo, Brazil. American Pavilion

2003: VENICE BIENNALE, Venice, Italy. Concepts for the Snow Show

2002: VENICE ARCHITECTURE BIENNALE, Venice, Italy. New Worldtrade Center

2002: VITRA MUSEUM, Weil-am-Rhein and Berlin, Germany, Living in Motion

2002: NATIONAL BUILDING MUSEUM, Washington DC. Re-imagining Ground Zero

2001: WHITNEY MUSEUM, New York. BitStreams

2001: MUSEUM OF MODERN ART, New York. Workspheres

2000: MUSEUM OF MODERN ART, San Francisco. Experiments in Architecture

#### **LOT-EKcollections**

Guggenheim Museum. New York - San Francisco Museum of Modern Art. San Francisco - The Bohen Foundation, New York - Bloomberg LP, New York - Weatherspoon Art Museum, University of North Carolina, Greensboro, NC

#### LOT-EKteaching

2003-09: COLUMBIA UNIVERSITY, Graduate School of Architecture 2005: SYRACUSE UNIVERSITY, School of Architecture

2000-05: PARSONS SCHOOL OF DESIGN, Architecture Department

LOT-EK's agenda is the search for a new vernacular based on the products of industrial technology. These products are all around us, almost invisible, yet they form the interconnected machine that enables our urban society to operate. The idea that by making better use of the industrial infrastructure of the world we can change our lives for the better has been a recurring theme in design history. The designers, historians, theorists who have explored this idea are legion - from William Morris to Wes Jones via Viollet-le-Duc; le Corbusier; Buckminster Fuller; Charles and Ray Eames; Archigram; Shigeru Ban. LOT-EK's work consequently has resonance because it is an ongoing concern. It has further relevance because it consists of physical examples where things with little or no value can be made into things of significant value. We might also then surmise that this work can be perceived as a comment on a consumer

society, which almost universally aspires to the expensive and the new. Architecture, like all arts, is referential. LOT-EK's reference, instead of the architecture of previous ages, is the industrial artefacts of today. It is a recognition of the precious nature of the mundane - how it fills the background of our environment but might, with a little effort, also be placed in the foreground. Their work does not exhibit an excitement about the invisible, powerful technology that is driving society and culture forward, information technology and the science of new materials, methods and systems. It is about the physical, the visible, the tactile - the world with which we remain in contact. Though it is overtly mechanical and human-made, they identify this with the natural world [...]

# PLUS ARCHITECTURE

#### PROJECTS:

#### mixed-use buildings

1997-Present: NEW QUAY DOCKLANDS, Melbourne, Australia 2007: 9-11 CLAREMONT STREET, South Yarra, Melbourne, Australia

#### commercial/retail buildings

2006-Present: TOORONGA VILLAGE, Glen Iris, Melbourne, Australia

#### **PUBLICATIONS:**

2008: COMMERCIAL DESIGN TRENDS, Fast Forward, Pages 128-133 2008: ARCHITECTURAL REVIEW, Focus, Sustainable Timber, Vol. P 2008: ARTICHOKE, Dutton, by C. Moore, Vol.22, No.1, Pages 89-92 2005: WATERFRONT SPECTACULAR: CREATING MELBOURNE DOCK-LANDS, THE PEOPLE'S WATERFRONT, A Marriage and a Birth, by J.

2003: ARCHIWORLD, New Works - Moonah Links Golf Clubhouse, Vol. 18, Pages 56-69

#### AWARDS:

2007: DESIGN EXCELLENCE, Best Commercial Interior, Sestriere Investments Office Fit out, Shortlisted

2004: PROPERTY COUNCIL OF AUSTRALIA 2004 AWARDS for NewQuay.

2003: RAIA VICTORIAN CHAPTER 2003 COMMERCIAL AWARD for the NewQuay, Retail and Commercial Precinct.

# **ARUP**

#### PROJECTS:

#### education buildings

Ongoing: School of Creative Media, City University of Hong Kong Monash Law School, Melbourne, Australia 2008: African Institute of Science and Technology, Abuja, Nigeria

2008: Salford University, Greater Manchester, United Kingdom

2008: School of Sustainable Development, Bond University

2006: University of California, Merced, California, USA

2005: Swinburne X-change, Melbourne, Australia

2004: Informatics Collaboratory of the Social Sciences (ICoSS), University of

2004: Bio 21, University of Melbourne, Melbourne, Australia 2002: Victorian College of the Arts

2001 University of Tasmania

2008: Australian Engineering Excellence Awards - The Water Cube 2008: ACEA National Awards - Stockland Head Office

2008: ACEA National Awards - Project of the Year, The Water Cube

ARCHITECTURAL DESIGN COMPETITION

NEW BUILDING FOR THE FACULTY OF ARCHITECTURE BUILDING AND PLANING

#### **MERIT**

from "LOT-EK: Mobility, Materiality, Identity" by Robert Kronenburg, Professor School of Architecture - University of Liverpool (2003)

[...] LOT-EK trained and practice as architects and perceive their work as architecture though much of it transcends the boundaries of all areas of three-dimensional creativity. They design complex buildings that explore important issues about how we live in the world today. They craft furniture, light-fittings and domestic objects that are practical and meaningful. They build interior spaces in which people live and work. They envisage ephemeral environments for special events. They create installations in art galleries that challenge artistic perceptions. This multi-faceted range of work is made possible by the path they have chosen to explore in their design work. It is a personal agenda and, despite the varied nature of the projects,

is one that has a clear, continuing, developing basis.

# THE UNIVERSITY OF **MELBOURNE** Ш

