

Best tall buildings

Lone Wiggers / C.F. Møller Architects

Gerhard Landau / Landau + Kindelbacher - Interiors Designers

Space-Filling

Meet the new generation of tall buildings

Today, according to the United Nations, 55% of the world's population lives in urban areas, a proportion that is expected to increase to 68% by 2050. These projections show that urbanization is the gradual shift in residence of the human population from rural to urban areas. Although tall buildings are not the only way to accommodate the increasing urban population, cities are constructing tall buildings across the globe rapidly. Indeed, since 2000, they have constructed more tall buildings than it did since 1885, official birth date of skyscrapers. These new buildings are also reaching record-breaking heights. Certainly, cities around the globe are experiencing a tall building boom but Asia is clearly leading the way in this regard.

The annual report from the Council on Tall Buildings and Urban Habitat (CTBUH) underlines a record-breaking 144 buildings 200 meters or higher were completed in 2017, led by the Chinese 599-meter-high Ping An Finance Center in Shenzhen.

Tall buildings represent the most challenging building typology from many points of view, and they will influence, for better or worse, the future of cities worldwide. Sustainability is a topic that applies to all levels of tall buildings development, design, and planning, from the choices of structural systems and finishing materials to the relationships of indoor and outdoor spaces to integration with the larger urban context. In some countries, such as Singapore, excellent design coupled with cultural practices has resulted in socially successful high-rise developments.

Over the past three decades, sustainability has evolved and become even more comprehensive and complex. A sustainable future is one in which a healthy environment, economic prosperity, and social justice are pursued simultaneously to ensure the well-being and quality of life of present and future generations. Therefore, sustainability addresses a wide-spectrum of planning and design issues (e.g., housing, economic growth, water, land, energy, waste recycling, transportation, tourism, parks, open spaces) and illustrates their interconnectedness.

Far from the 'Greenwashing', a new crop of sustainable skyscrapers is on the rise, named the "fifth generation" that aims for energy saving and a carbon-neutral footprint. David Nicholson-Cole (Nottingham University) demonstrates this trend by explaining that these exceptional new towers include a variety of eco-friendly innovations, such as renewable energy generation, solar shading and double-skin facades with natural ventilation. They will also feature greater thermal mass, landscaped atriums, underground heat storage, water catchment, recycling, linear induction elevators, as well as vertical urban farms, green planting, and facades and roofs that generate electricity. Skidmore Owings and Merrill has proposed a 180-metre skyscraper with private residential apartments and hotel rooms in Paris that is designed to be zero-energy. The traditional style of skyscrapers comes with its own environmental baggage. Asia has seen exponential growth in the last decade. However, all that is changing, as demonstrated the World One project (Pei Cobb Freed & Partners) in Mumbai, one of the most polluted megacities in the world. The 442 m-high building finds the revolutionary elements that have led to the building achieving Gold LEED Certification.

Timber construction is also making some pretty significant strides, as the new 53 m-high building in Vancouver (Acton Ostry Architects) or the building under construction in Norway (Voll Arkitekter) that will be the world's tallest timber building, standing at 80 meters tall.

Researchers need to conduct significant work at the planning, architectural, and engineering levels in the design, construction, and integration of the skyscraper into cities. In particular, future research should examine the social sustainability of tall buildings in depth. There is a need to investigate the impact of high-rise living on social behaviour and community and lifestyle in different places and cultures.



**The Maersk Tower,
Copenhagen (2017)**

Architect: C.F. Møller Architects

Photo © Adam Mørk



Generali Tower, Milan (CityLife Shopping District)

Architect: Zaha Hadid Architects

Photo © Hufton+Crow

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Photo © MEW

Graduated in 1989 from the Architecture School in Aarhus, after having studied architecture in Denmark and Paris, Lone Wiggers started working with C.F. Møller Architects in 1990 and became a Partner of C.F. Møller in 1997.

Lone Wiggers

C.F. Møller Architects

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www.cfmoller.com

C.F. Møller Architects, one of Scandinavia's oldest and largest architectural practices established in Aarhus in 1924. Lone Wiggers has taken part in a wide range of projects with a broadness ranging from housing, offices, schools, senior institutions, hospitals, museums to planning and design. The projects have been conducted as sketching, project supervisor and design responsible partner.

For more than 25 years, Lone Wiggers has been working in organizations and practicing the promotion of architectural quality. She has served as chairwoman of the National Arts Foundation Section, a member of the board of the Danish Association of Architectural Firms, she has been a longstanding member of AA/DAL's Representatives, and a member of several national and architectural sustainability committees.

Currently Lone is sitting as one of the two architects of the Confederation of Danish industry's building Policy committee. As a professional architectural judge and critic, she has worked both in architectural competitions, as examiner at both schools of architecture, as well

Nordlyset, Copenhagen (2006)

Nordlyset (Northern Lights) is a sculptural residential block with an expressive facade, located in the new urban quarter in Copenhagen. The development takes the form of a white-plastered block surrounding an interior outdoor courtyard. Broken to the north and south, the facade line gives to the building an organic expression, while the bright and friendly-looking apartments enjoy a view of the Sound. The details emphasise the overall expression, with coloured glass panels in a bright striped pattern, dividing off the balconies and designed in co-operation with the visual artist Ruth Campau.



Photo © Jørgen True

Siloeten Aarhus (2010) in collaboration with Christian Carlsen Arkitektfirma

A former silo complex has been transformed into a 'rural high-rise', with 21 high-quality residences composed as individual and unique 'stacked villas'. They are an alternative to standard apartments or to detached suburban sprawl. The actual silo contains staircases and lifts, and provides the base of a common roof terrace. Around the tower, the apartments are built up upon a steel structure in eye-catching forms which protrude out into the light and the landscape – a bit like Lego bricks.

This unusual structure with its protrusions and displacements provides all the apartments with views and generous outdoor spaces. Every apartment enjoys sunlight in the morning, mid-day and evening, whether placed to the north or south of the silo structure.

It is an example of how the transformation of redundant structures can hold the potential to both give a new identity, and introduce density to suburban outskirts.



Photo © Mark Hadden

Greenwich Peninsula Low Carbon Energy Centre (2016) with the British artist Conrad Shawcross

This 49-metre-high tower takes part of a new Low Carbon Energy Centre which houses technically advanced boilers and Combined Heat & Power (CHP) providing heat energy to the businesses and 10,000 homes. The cladding for the structure is formed of hundreds of big triangular panels. These tiles fold and flow across the surface of the tower forming complex geometric patterns that visually break up the flat planes to create an uneven, sculpted surface that plays with the vanishing points and perspective. As the two main surfaces of the tower sit east to west, the structure will filter the light of the sun and sky enhancing both the form and the visual effect of the Moiré. Shawcross' response which is titled Lenticular Dazzle Camouflage unites sophisticated engineering and complex optic research to create an impressive sculptural concept on a huge scale. The artist's intention is to create an ambiguous and beguiling surface that disturbs and dematerializes the massing of the tower structure, producing a form that remains abstract and hard to define.



Photo © Adam Mørk

Värtaterminalen, Stockholm (2016)

More than just a ferry terminal, the innovative facility combines infrastructure with urban park, providing a new recreational space for the people of Stockholm. The terminal resembles a cross between a departing ship and the surrounding area's architecture of cranes, warehouses, considering the interaction and cohesion with the surroundings and the durability of solution in the big picture and long-term development of the area. This perspective included sustainability considerations, as evidenced by the new terminal's integrated systems powered by solar energy and geothermal heating/cooling, making Värtaterminalen self-sufficient in energy.



Photo © Adam Mørk

as a jury member in various professional organizations. She was appointed chairwoman of the Architects Council of the Ministry of Cultural Canon, responsible of selecting 12 best architectural works of Denmark. She has served as a member on the cultural section of the Danish UNESCO National Commission, and represented the cultural element in Denmark of UN in Unesco, Paris.

Lone believes in fundamental architectural values, such as: the man in the center, the Genius Loci, sustainability in all aspects, timelessness, sensibility in form, space, order and matter, as well as culture, history and innovation combined.

Fjordporten – Nordic light (1st Prize Competition 2018) in collaboration with Reiulf Ramstad Arkitekter

This project at Oslo central station merges transport, work, leisure time, culture and business into a forward-oriented and robust hub. Bathed in daylight, the tower mainly houses offices, while the base contains service functions for transport users. By combining the use of timber with modern materials such as concrete and high-tech glass, the materials are a subtle reference to the time when the city was built from wood. "Green lungs" in the form of vertical connections across multiple levels and terraces with vegetation provide ample contact with the city and its landscape. A wooden pergola of lightweight mesh structures defines the central railway station's new main entrance, while outdoor atriums and roof lights ensure optimal daylight conditions in the base.



The Maersk Tower, Copenhagen (2017)

State-of-the-art building creates the optimum framework for world-class health research, the Tower contains both research and teaching facilities, as well as a conference centre with auditoriums and meeting rooms, connected to the latest technology. To create an innovative architecture, it is important to design a venue which encourages many opportunities for coming together, transcending different disciplines, from the public to the research community. A unique element of the new Campus Park is the zigzagging 'floating path' that leads pedestrians and cyclists across parts of the Maersk Tower.



Rendering © C.F. Møller Architects

Generali Tower Milan

Arch. Zaha Hadid Architects

Photo © Luke Hayes



Photo © Hufton+Crow



Photo © Hufton+Crow

Competition: 2004
Design: 2009–2012
Construction: 2014–2017
Interiors: 2017–2018



Drawing © Zaha Hadid Architects

Located within the CityLife* masterplan that has redeveloped Milan's abandoned trade fair grounds, the 170m (44-storey) new tower is a real new landmark in the urban landscape connecting with its surrounding public piazzas and park. Its particularity is due to its torsion. The movement has also determined the nickname "lo Storto" (the Twisted) which identifies it and distinguishes it from the Isozaki tower "il Dritto" (the Right) already inaugurated and the Libeskind tower "il Curvo" (the Curve), under construction.

The shape with this particular twist, which decreases going up to become vertical at the top floors, is linked to a precise conceptual choice: keep the alignment with the main axes of the city catching up especially on the top floors of the alignments visuals such as the Milan Dome.

The curvilinear geometries of its podium defined by the perceived centripetal forces generated from the staggered intersection of these three city axes at the tower's base.

This vortex of centripetal forces at ground level is transferred vertically through the tower by realigning successive rhomboid-shaped

floor plates to twist the tower about its vertical axis. This helical twist reduces incrementally with the height of each floor above street level, giving all floors a fractionally different relationship to the floors above and below.

As the tower rises offering broader views across Milan, the twist orientates the tower's higher floors to the primary southeast axis leading to Bramante's 15th Century tribune of Santa Maria della Grazie, and beyond to the centre of the city.

Inclined perimeter columns follow the twisting geometry of the tower to mirror the inclined alignment of its external façade units. These perimeter columns also maximize usable office space within the tower's coherent formal envelope.

The tower excels in all international benchmarks for efficiency while respecting Milan's rigorous local building codes. Its double-façade of sun-deflecting louvers flanked by glazing provides extremely efficient environmental control for each floor and ensures excellent energy performance, contributing to Generali Tower's LEED Platinum certification by the US Green Building Council.

* When fully complete in 2020, CityLife will include 1,000 new homes, offices for more than 11,000 staff. The area will be the largest new civic space and public park created in the city since Parco Sempione opened 130 years ago, welcoming more than seven million visitors, workers and residents each year.

CTBUH (Council on Tall Building and Urban Habitat) AWARDS

CTBUH
AWARDS

Best Tall Building 2018

The Oasia Hotel Downtown Singapore

Arch: WOHA

This project won the award not only because it incorporates 60 stories of green walls along the exterior (aluminium mesh cladding with 21 different species of plants), but because of its significant commitment to communal space. The architects created a series of different strata, each with its own sky garden. So, the openness allows breezes to pass through the building for good cross-ventilation. These additional “ground” levels allow generous public areas for recreation and social interaction throughout the high-rise, despite the inner city high density location.

woha.net

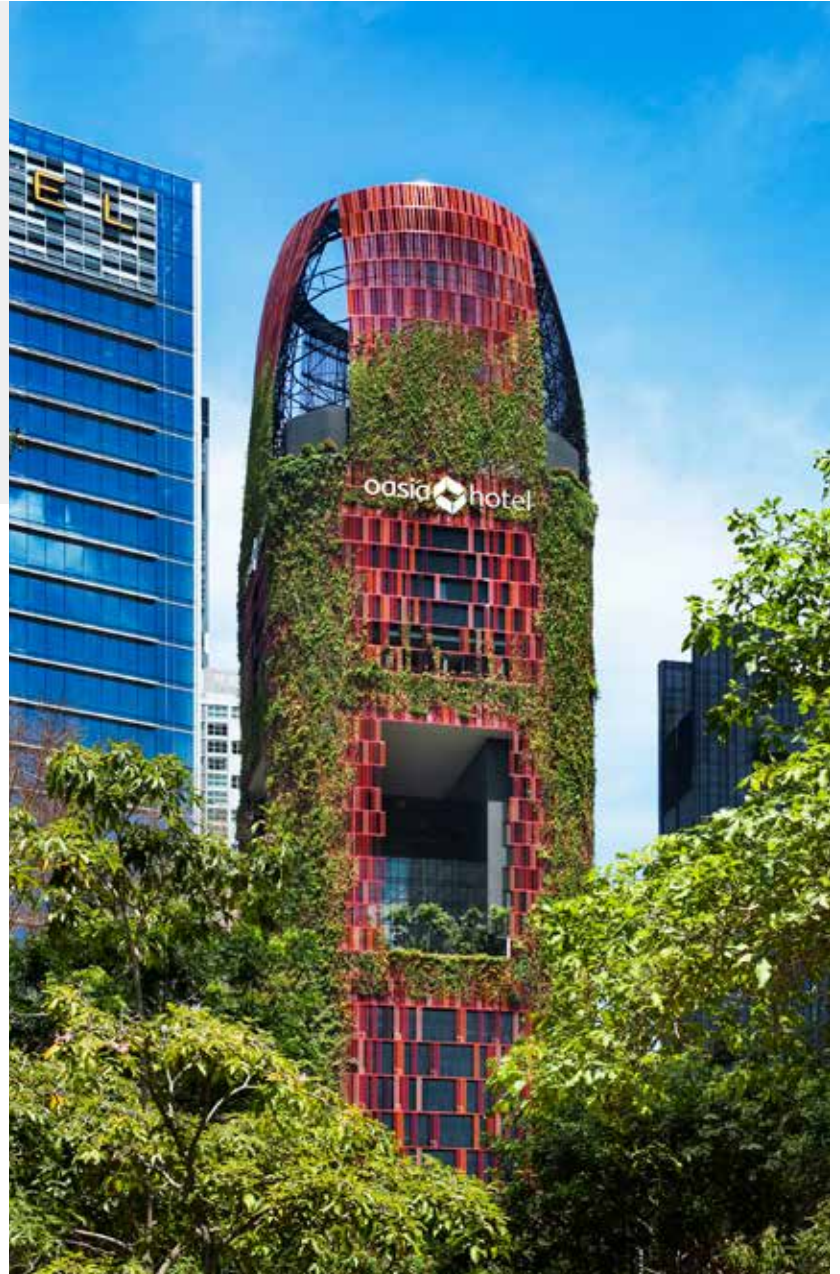


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AWARDS

Best Tall Building Americas

American Copper Buildings New York

Arch.: SHoP Architects



Photo © JDS / Photo by Max Touhey



Photo © Glas Trösch AG

As a giant couple dancing in the New York skyline, the dual copper-clad residential towers are leaning back slightly and linked together by a 100-meter-high bridge with a metallic reflecting finish half-way up the tower. The design overcame the challenges posed by development and zoning plans, which helped to determine the layout and architectural volumes. A double-insulating glass was developed for the extraordinary project, not only ensuring undisturbed views but also meeting the strict energy requirements. Central design element, the three-story connecting bridge, which goes beyond a purely aesthetic function as it links the utilities of both towers and is integrated into the structure's static design, is wrapped entirely in a metallic shimmering glass. Resting between the two tall towers, it acts as a distribution station for the building utilities, enabling the East and West Tower to be supplied via one common system. It also forms an elegant contrast to the façade, providing a captivating, light effect. Achieving an overall Green Plot Ratio of 1,100%, the towers are conceived as a haven for birds, reintroducing biodiversity into the city.

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Arch.: fjmt

This wood building is characterizing by a facade made from multiple layers. Behind a single sheet of low iron clear glass, a layer of automated louvres of natural timber is located within a sealed, air-pres-sured cavity that is clean and dust free. Finally, the inner layer is a double glazed high performance insulating unit. Importantly the envelope is a res-ponsive skin, a kinetic architecture, adjusting auto-matically to the position of the sun and time of day to control heat load and sky glare.

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Experienced since many years with complex building tasks and thinking in unorthodox approaches, the practice is also preserving realities that characterise the context. Influences and inspiration from art, culture, lifestyle and fashion support this stance.

Gerhard Landau

Landau + Kindelbacher Architects

Interior Designers, Germany

www.landaukindelbacher.de

Graduated from the University of Applied Sciences in Munich in 1990 with a degree in Architecture (BDA / BDIA), the German architect Gerhard Landau (*1965) is a managing partner of the Munich based architectural office Landau + Kindelbacher he founded with Ludwig Kindelbacher in 1994 after a two-year stint at Michael Hopkins + Partners in London. The office employs a team of around 50 people highly committed and multi-skilled, working nationally and internationally on a wide range of projects - office, home, hotels and gastronomy, retail/shops, cultural and special areas as new construction, redevelopment or renovation of protected and listed historical monuments. His goal is the interface between architecture and interior design. Cooperation with selected craftsmen, manufacturers and specialists in different professions guarantees the necessary degree of perfection in detail and materials. A multidisciplinary team has been implementing ambitious building and interior design projects. It works in an informal, professional atmosphere. Top-class projects can result only from reliable partnership relations. In ideal circumstances, these then lead to further planning tasks that are characterised by their longstanding expertise and the



Photo © Jan Bitter



Photo © Ortwin Klipp

Residential complex, Munich (2018)

Two new apartment buildings enclosing a shared inner courtyard are being constructed in a partly landmarked environment near Prinzregentenstrasse and the Friedensengel at the centre of the suburbs Haidhausen and Bogenhausen. On the Trogerstrasse side, the front building carefully closes the existing gap in the block edge and shows formal consideration for the landmarked environment. The rear building, on the other hand, is modern with a flat roof and a clear form language. With its generously sized, floor-to-ceiling windows, it opens onto the landscaped courtyard. Folding, perforated sunscreens contribute to the intimacy of the inner space. Generously sized terraces and balconies to the south and west ensure a high quality of comfort of both interior and exterior residential space.

Unesco World Natural Heritage Site, Messel (2010)

The task of designing a visitor information centre for the Messel fossil pit demanded intense consideration for the turbulent history of the place, of both the scientific origin and the changing history of the site itself. The stratification of the oil shale as genius loci forms the basic graphical idea of the building design. Like an earthen clod, the building breaks loose of the existing angular retaining walls and, with its significant monolithic wall panels, is orientated towards the pit – the actual highlight of the place. This movement culminates in the overhanging observation platform, from which one has an overview of the research site. The visitor symbolically wanders through the Earth's strata and enters a unique spatial structure that offers no analogy to conventional building types.



Photo © Jan Bitter



Photo © Ortwin Klipp

New Office Design for a real estate company (2017)

Designed by the famous Zurich architect Werner Stücheli and completed in 1955, the Hochhaus zur Bastei - considered as the first high-rise building in the city of Zurich - was placed under a preservation order a few years ago. A new office concept has been created for the Swiss branch of a real estate development company, in consideration of the preservation of historical monuments. Elegance and generous proportions, together with an unusual and high-quality material mix and accentuated lighting, distinguish the office areas and conference zones in a total of about 1000 sq. m. on four floors. The furniture and fittings were designed and individually installed on site by Landau + Kindelbacher.

Regarding the architectural quality of the Bastei tower and the representative demands of the customer, a special material combination of black marble, brass, carbon and glass was chosen for the floors, walls and ceilings. As a reminiscence of the architecture of the 1950s, the classical materials are newly interpreted in their use, colourfulness and gloss value. A speciality is the floor pattern with the brass seams as a visible, high-quality separation.

confidence of the customers. For Gerhard Landau, architecture is not just any old experienced business but an ever new, individual expression of perfection. Every project lives from personal style to which is given quality of form so that it results in a sensual overall experience. For what makes architecture unique is the sum of many small, carefully planned details. Landau + Kindelbacher creates living environments that equally satisfy the customer's personality and promoting their own high standards of quality.

Premium quality is shown on the one hand by pioneering architecture, and on the other by the appreciation of beauty and tradition. During time, the office has developed a sense of quality that is based on sustainable, durable materials and efficient technologies. At the same time, it designs classical and modern buildings and spatial concepts. In this sense, the projects can look back over a wonderful history while being completely up-to-date. The respective values simply add up. The team's strength lies in viewing architecture and interior design holistically and in planning across all disciplines. Both subject areas must be complementary in design, technique and quality, even if the planning task applies to one side only. This office's competence lies in the dialogue between the two disciplines that leads to a charismatic overall result.



Photo © Ortwin Klipp



Photos courtesy of Das Tegernsee



Ambiente Direct, Munich (2018)

The store is located into the extraordinary Bernheim House, in the heart of the city of Munich. Around 3000 square meters, spread over three storeys, were refurbished for the brand store for furniture, lighting and accessories and its own planning department. The concept is based on the black & white principle, which provides the framework for the curated furniture exhibition. White walls, pillars, ceiling areas and fittings correspond with the dark wooden floors and black painted access elements such as stairs and lift as well as window frames. Existing ceilings and partition walls were partially dismantled to draw the spatial impression to the important brands and create new perspectives. A "catwalk" in the basement and the Boulevard on the ground floor invite customers to saunter, while the "Pulse" area can be used as a special flexible area featuring new products. The generously sized staircases are a part of the exhibition area and made to show elements with their podiums. Another highlight is the so-called Bernsteinzimmer (amber room), which is open to visitors as an original Italian café bar on the ground floor.

Das Tegernsee Alpine chalets (2017)

With 18 apartments and double rooms from 35 to 120 square meters directly connected to the main building, the hotel DAS TEGERNSEE has expanded its diverse range with a new format "Long stay". The steep slope situation below the Sengerschloss permits an invisible integration of the Alpine chalets in the ensemble without spoiling the view of the lake for the rest of the ensemble. The exposed rooms and the floor-to-ceiling windows in combination with high ceilings additionally reinforce the spatial effect. The interior design transforms harmoniously the material choice of the architecture. Thus, on the upper floor, all rooms are lined completely with spruce, in the style of the unique character of wooden Alpine chalets. The rooms/suites on the ground floor are also lined with wood on the ceiling and the installations such as cupboards and the "bath boxes", whereas the walls are given a special lime plaster coating like in old farmhouses. The colour world borrows from the interplay of colours in nature – wood, stone, leather; quiet, natural materials and textures are supplemented by clear textile accents – curtains, cushions, covers. Value was placed on the craftsmanship and quality of the material.

Space-Filling Brussels

space-filling.com

FOCUS

New technologies have considerably improved the computer-generated images, naturally thanks to graphics software, but mainly due to more and more well performing material enabling them to look like real images. You just have to surf on the architects' websites to be convinced: photo realistic renderings are everywhere. Up to the point of even replacing a pencil drawn sketch on paper, not always easily understandable by the clients. The ultimate aim being to call on emotions to attract attention and pass on a message. What to say of the interior design experience with 3D modelling and 360° visits? The photo realistic rendering permits to visualise very precisely the choice of colours, of materials or the furniture's position and by this way leaving few space to errors and imprecisions.

Space-Filling fits into this trend and proposes an innovative interior design platform using the new 3D modelling technology in order to reorganize or renovate an existing space. Their almost unlimited data base enables them to create unrivalled environments. Developed by the architect Zlata Rybchenko, this digital platform offers to any person interested the access to interior design services. Zlata Rybchenko has a deep knowledge of architecture and all its tools. After having briefly worked with the practice Art&Build and taught at the Faculty of Architecture La Cambre-Horta in Brussels, she opens her own office four years ago. "The interior design platforms haven't yet reached their full potential, she underlines, especially because the clients can't imagine in reality the result of their purchases. With the new technologies

using 3D photo realistic images, it is now much easier to visualise their projects and take the good decisions for the layout. The purpose of our platform is to democratize these tools to enable each person to receive an interior arrangement reflecting his personality."

"Life today is dynamic and very fast, she adds". So, instead of losing time in traffic jams to go shopping without any precise idea of your future interior layout, the architect proposes to his potential customers to simply develop their project. "Our 3D modelling systems propose a very wide choice. The perfect tool for anyone who is keen to create his living environment adapted to his needs and budgets. Space-Filling is a fast, high quality and affordable solution."





Space-Filling only need plans, photos of the space to organize, budgets and naturally some comments on the customers' wishes regarding furniture, colours and materials. The platform will handle everything. With the images, the client will then be able to visualise his new universe and the space before the building works even begin. He receives the layout plan with appropriate notes, the light positioning plan, the furniture shopping-list with accessories and even, if requested the electricity and plumbing plans. Passionate by their profession, the young Space-Filling specialists will do all they can to help the customers imagine the character and atmosphere of their space.

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Photo courtesy of Diana Vatinyan

Diana Vatinyan Interview

The Archi-World® Academy is an international architecture competition entirely devoted to students in architecture.

Over 1,200 architecture schools worldwide are supporting this event organized on biennial basis together with Messe München and BAU.

There are many success stories from students having their professional life boosted thanks to Archi-World® Academy we could talk about.

One of the most significant examples concerns former student Diana Vatinyan from Moscow who was selected by Daniel Libeskind in the framework of the first edition 2011/2013.

Archi-Europe: Diana, when and where did you first hear about Archi-World® Academy Awards and why did you decide to participate to this competition?

Diana Vatinyan: I read an article announcing Archi-World® Academy Awards on Archi-Europe website and was very impressed by the concept so I immediately felt that this contest represented an extraordinary and unique opportunity for young and talented professionals to get noticed and gain great professional experience. I did not hesitate one second and decided to take my chance and submit my project.

A-E: What was your first reaction when you learned that Daniel Libeskind had selected your project? You also had the opportunity to meet him personally at the awarding ceremony in Munich at BAU 2013, can you tell us more about it?

D.V.: I was very surprised and excited at the same time. Although the presented project had already been recognized in other competitions,

it was still a great achievement for me to receive a prize from one of the world top architects. This traineeship was a life-changing experience. When I first met Daniel Libeskind I had very limited English-speaking abilities at that point and it made it quite challenging for us to communicate. I was very impressed by Mr. Libeskind's charisma, friendliness, and his passionate speech.

A-E: Can you tell about your working experience in Daniel Libeskind office in New York? You worked longer than the initially agreed internship period?

D.V.: I worked in Daniel Libeskind's office one year and a half. In fact my initial traineeship was supposed to last six months but was extended for another year. During this time, I worked on a variety of different projects and was given an opportunity to develop design ideas and participate in team meetings as a member. I also assisted him in preparing several presentation materials, drawings and models. It was an amazing experience.

A-E: You are still living in New York, what is your current occupation?

D.V.: Yes, I have lived in New York for over four years now and have worked on a wide range of projects and ideas as an employee and independent designer. I currently work for a well-known healthcare design firm as an Architectural Designer and Associate. I think that healthcare design is one of the most challenging and rapidly developing industries that has a lot to offer to people who want to learn and grow professionally.

Besides that, I have become a LEED Green Associate and begun working on my architectural license which is necessary for lawfully practicing architecture in the USA.

A-E: Winning an internship in a big international office clearly represents a real opportunity. What kind of advice would you give to the winners of the next edition of Archi-World® Academy about the way they should consider the internship?

D.V.: It is a lifetime opportunity that can help young professionals gain valuable experience and become a better professional, I strongly encourage and recommend students to take part in Archi-World® Academy.

Personally, Archi-World® Academy completely changed my life and I am still thankful to Archi-Europe and Messe München for having developed and promoted such a challenging and stimulating tool for young professionals.

A-E: Do you want to address any special message to students in architecture based on your personal experience?

D.V.: Believe in yourself, take a risk, work hard and you will have a chance to become a winner of Archi-World® Academy competition.

www.vatinyan.com



Daniel Liebeskind and Diana Vatinyan



Diana Vatinyan



Project selected by Daniel Liebeskind, AWA 2011-2013. Rendering © Diana Vatinyan

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Using a patented method, B:hard applies a wood powder-coating over the wood top layer. This results in a long-lasting, hardened and durable floor. B:hard is a must everywhere where wood flooring will experience heavy use. For living rooms, dance schools, classrooms, offices, hotels, public or retail spaces.

It is also suitable for under floor heating, can be laid quickly and easily and is resistant to burn marks from cigarettes (up to grade 4). In impact testing it guarantees better hardness than ceramic tiles or laminate floors. B:hard received Euroclass Bfl-s1 classification according to the European norm EN 13501-1.

Despite the use of modern technology, B:hard is a 100% natural product, PEFC ISO 14001. Wood from forests cared for and managed on sustainable lines gives you the feeling of having a piece of nature within your own four walls.

www.bhard.be



Starline, the perfect partner for architects

Discover and experience the perfect synergy between design & luxury swimming pools. Meet Starline, the pool partner for architects.

Starline Group is a internationally well-known organization, active

in the development and manufacturing of monoblock® swimming pools, pool cover systems, spa's and water treatment products.

Starline is a Dutch company with 45 years of experience in producing composite monoblock® swimming pools in various dimensions and colors of unequalled class. High quality materials and innovation are a guarantee to top quality products. The guarantee of Starline, because we work with passion to enhance your swimming and wellness enjoyment!

www.starlinepool.com



With our newly launched LINEA NAUTICA, Di Legno brings an authentic wooden floor with pronounced personality and a modern twist to your residence

Di Legno's Linea Nautica is a distressed and patinated wooden floor with a strong character and a contemporary look. Elegant in its distinct random widths of 90-180-220 mm, yet robust with its rustic 6 mm oak top layer. Linea Nautica has a matt grey oiled finish. The linear black shadow gap

intensifies its spatial effect. Easy to maintain and timeless in its design. Their remarkable character is what makes Di Legno floors stand out. Because of the special ageing process and subsequent reaction with the tannins in the French oak, Di Legno floors get a very natural patina. Attention to detail, hand crafted finishes, and our woodmanship make each flooring a unique contribution to your experience.

www.dilegno.com



Building airtight with roller shutters and vertical screens

Sun protection was always one step ahead of roller shutters when it came to calculating the energy performance of buildings. Whereas ZipX®Zero already made it possible to incorporate a screen into a cavity wall without touching the inner wall, such a solution did not yet exist for roller shutters.

That is where Wilms' ShutterX® comes in. It allows you to offer completely airtight roller shutters. The inner wall no longer needs to be pierced and the roller shutter remains invisible from the outside.

Even better, we replace the insulation material that is removed to incorporate the roller shutters by a composite profile behind the box. This profile compensates and even enhances the insulation value. The profile also allows fixing the window to the inner wall from the top. This new innovation is also available with the ZipX®Zero.

www.wilms.be



THE FADE® ACOUSTIC PLASTER SYSTEM by ICOUSTIC

The fade® Acoustic Plaster System is a seamless, high-quality plastering system that absorbs unwanted noise in a wide range of environments. As an acoustic solution applied to walls and ceilings, its highly absorbent qualities allow for optimum acoustic control in large, commercial spaces.

An ultra-smooth, fine grain super white finish. Sanded or trowelled to

achieve a highly aesthetic acoustic solution. Any other color available on request.

The seamless acoustic plaster can be installed on plasterboard, concrete or timber substrate.

- Test data sound absorption NRC/AW up to: 1,0 (Class A)
- Class A Fire Testing as per the ISO EN 13501 2007: A2s1d0
- Microorganisms cannot grow in the acoustic plaster system.
- The system is odor free and highly resistant to humidity and UV-exposure.

More information on www.icoustic.eu



Degré 12, a new vision of wine cellars

An expert in the construction of traditional cellars for over 20 years, Degré 12 is also a pioneer that has brought a new way of thinking to cellar design, bringing wine storage right into the heart of the home and turning bottles into works of art that we enjoy exhibiting and watching them as they age. Degré 12 turns your wine cellar

into a convivial meeting-place that combines design, luxury and refinement.

A Degré 12 wine cellar is a harmonious, subtle communion between design, technology, know-how, innovation and craftsmanship. Every wine cabinet is unique and designed to meet specific needs: style, storage, sizes, for laying down or serving wine, etc.

Degré 12 offers an infinite number of options: the traditional or contemporary cabinet / wine cellar, made of wood or mineral resin in our Tradition collection, and with the resolutely sober, modern design of our metal Classic, Sliding or Gravity collections. The only limit is your imagination...

www.degre12.com



Heritage Wood – Rustic beauty of sawn wood

Koroseal® – one of the world's leading manufacturers of Contract Interior products – consisting of a complete selection of textile-backed vinyl wall covering collections. Koroseal® has continued to distribute its collections within Europe through KOBÉ since 1989.

KOBÉ offers a range of collections in total consisting of Basic, Enhanced and Designer products. The collections are sustainable, durable, easy to clean, colorful, anti-microbial and non-inflammable. Many of the products are low-emitting, contain recycled content, and can contribute to a building achieving LEED® credits.

Heritage Wood is inspired by wood and has a texture of roughly sawn wood. It is available in an array of natural and distressed wood tones including a pearlescent white contemporary tone. The natural look of this product is its greatest allure.

www.kobe.eu



WALFiLii® Reshaping Nature

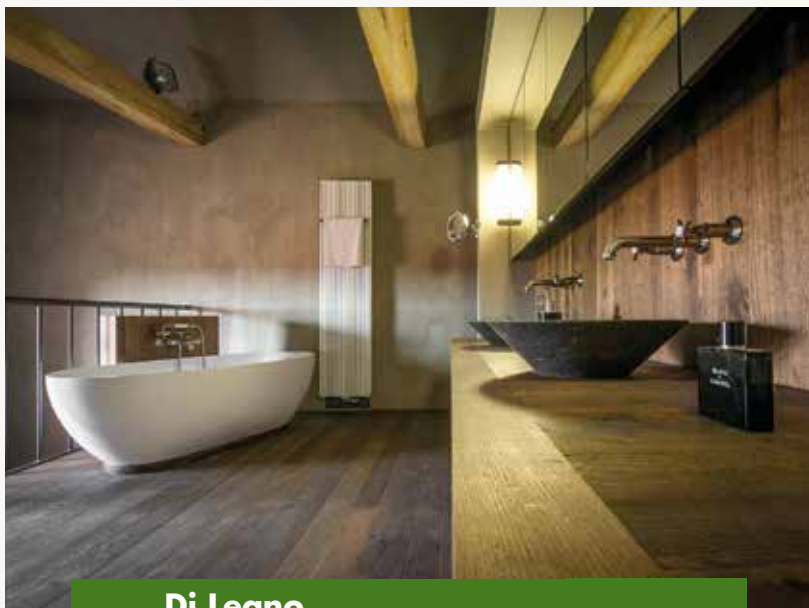
WALFiLii manufactures handmade planters, fire plates and design items in steel and corten steel. Far more than a planter manufacturer, WALFiLii is the premier creator of ambience.

WALFiLii designs items that add an element of architectural elegance to any garden or terrace. Our products enhance the décor of high-end commercial buildings and businesses. And they offer architects and property promoters the ingredients to dress up plain spaces with a touch of class. We offer them the ingredients to upgrade interior, exterior and public spaces: sustainable products, customization, XXL sizes to add character, prestige and colour. Botanic Textures features playful planters in enticing colours, assembled by a team of designers and trend watchers.

We always aim high for those of you who value authentic quality and we remain true to exclusivity, craftsmanship and personal contact.

www.walfilii.be

At Di Legno they create and make wooden floors their own way, and push their craftsmanship to its limits.



Di Legno

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di | legno

Books

Modernity and Durability Perspectives for the Culture of Design

Vittorio Magnani Lampugnani

The Italian architect suggests to reformulate our understanding of the Modern. He puts forward a new design approach that strives for durability. This is an approach that rejects the frivolous waste of resources and superficial proliferation of images that have become commonplace today. The book offers an alternative to the contemporary fixation on spectacles, both hollow and dangerous, and instead calls for measured restraint and substantial simplicity.

DOM Publishers // English
112 pages // € 28.00
ISBN 978-3-86922-700-9
dom-publishers.com

Living with Nature Architecture, Topography, Landscape

Sandra Hofmeister

Holiday homes, summer residences, hotel or emergency alpine shelters, either for temporary or permanent use: the 20 chosen structures all react to the surrounding natural environment in aspects of their construction and design. In most cases the architects use local resources for an exceptional quality of build. From the holiday homes in the arctic vegetation of Iceland to the living platform in the canopy of the Brazilian forest, all projects are documented with photos, brief descriptions, floor plans and cross sections.

Christoph Merian Verlag DOM
DETAIL // English / German
160 pages // € 39.90
ISBN 978-3-95553-400-4
shop.detail.de

Essential Eames - Words & Pictures

Eames Demetrios
& Carla Hartman

Regarded by many as the most influential designers of the twentieth century, Charles and Ray Eames are perhaps best known for their timeless furniture designs but they also made pioneering contributions in the fields of architecture, exhibitions, graphics and much more. The book draws from their shared lifetime of speeches and writings, as well as an archive of nearly one million photographs taken by the Eameses and their staff over a period of more than four decades.

Cover : Charles and Ray Eames in their apartment in Westwood, Los Angeles (circa 1947) © Vitra Design Museum and Eames Office LLC, photo: Andreas Suetterlin

Vitra Design Museum
216 pages // € 29.90
English ISBN 9783945852170
German ISBN 9783945852163
design-museum.de

Habitat: Vernacular Architecture for a Changing Planet

Sandra Piesik

Illustrated with over 1000 images and organised by the five major climate zones, the book gathers an important international team of leading experts. They reveal how people and cultures have

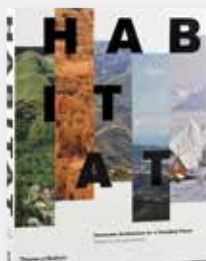
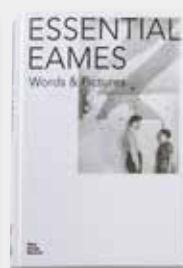
adapted to their environment to make the best use of vernacular materials and construction techniques, and stressed the importance of preserving disappearing craftsmanship and local knowledge before it is too late.

Thames & Hudson // English
600 pages // £ 98.00 / € 120.00
ISBN 9780500343241
thamesandhudson.com

Design solutions for urban densification

Sibylle Kramer

Considering that by 2050, more than two-thirds of the population would live in cities, the book presents a diverse array of possibilities from around the world for creating inner-city living space where there was none before: smallest of gaps filled in, block perimeter buildings completed, inner courtyards built up and houses extended upwards. The infrastructures that have developed organically are skillfully preserved, and soulless new housing estates artfully avoided - as the high quality of urban life is ensured for the future.

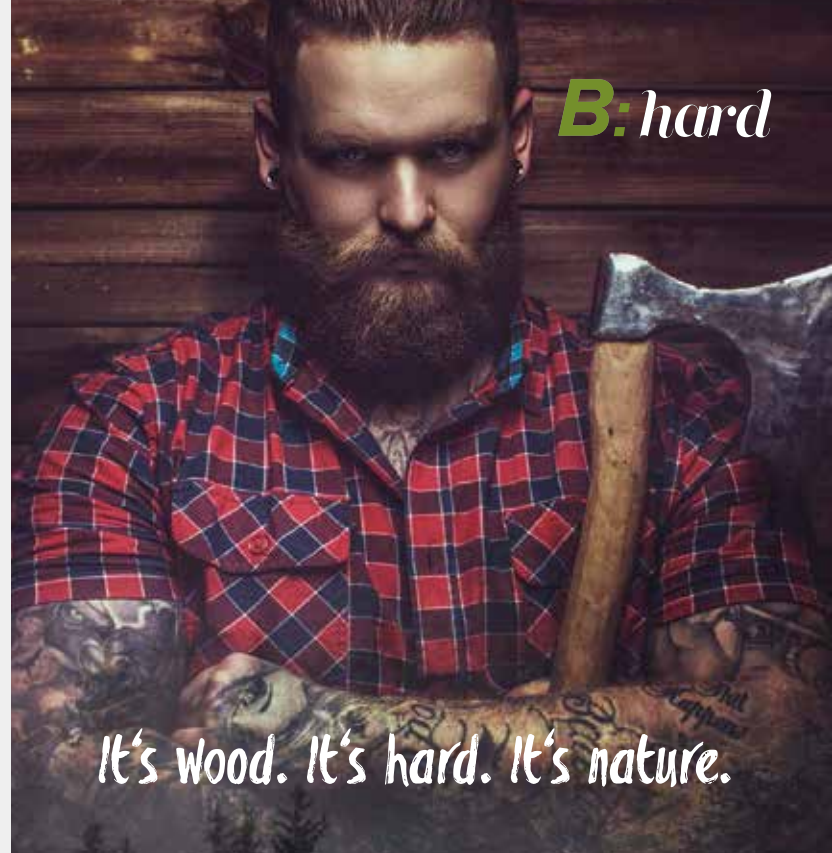


Braun // English
256 pages // € 40.00
ISBN 978-3-03768-228-9
braun-publishing.ch

Manufacturing Architecture: An Architect's Guide to Custom Processes, Materials, and Applications

Computer-aided design has greatly expanded the opportunities for architects to create innovative buildings with custom components. Inspiring and useful, this book provides designers of all levels with all the information they need to make the most of the exciting opportunities offered by custom manufacturing. Clear diagrams and narratives explain the 20 most useful manufacturing processes. Case studies from around the world show how these processes can be customized in order to create variation, lower costs, decrease production waste, and use a wider selection of materials.

Laurence King Publishing // English
352 pages // € 78.00
ISBN 978-1-78627-133-4
laurenceking.com



B:hard



Using a patented method, B:hard applies a woodpowder-coating over the wood top layer. This results in a long-lasting, hardened and durable floor. B:hard is a must everywhere where wood flooring will experience heavy use. For living rooms, dance schools, classrooms, offices or retail spaces. B:hard: The new classic wood floor for special occasions.

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Competitions

Call for Ideas to Re-imagine London's Historic Grosvenor Square

Grosvenor Britain & Ireland has launched an international call for ideas to re-imagine Grosvenor Square in London. Architects, designers and creative thinkers from across the world are invited to submit proposals to re-imagine the historic square for locals, visitors, Londoners and future generations, with the aim of reinstating Grosvenor Square as one of the world's leading public spaces.

Register/Submit Deadline: 26/10/2018
More information:
<http://vision.grosvenorlondon.com/Corner-to-Corner>

Wellington Oriental Bay Pavilion competition

This is a single stage ideas competition with the aim of identifying the best proposal for a Creative Exhibition Center in Wellington, the capital of New Zealand. This competition is open to students and young professionals (under 40) in areas related to architecture. No professional qualification is required. Multidisciplinary teams are encouraged.

We invite to create innovative solutions to tackle the challenges presented. The winning design will demonstrate a high degree of expression and creativity in fulfilling the program requirements, in accordance with the specific design guidelines presented here. Winners will be decided according to the conceptual merit of the works submitted to the competition.

All submission documents need to be sent to submit@adedu.co.nz by 5 pm 30 October 2018. Submission without a registration ID number will not be accepted.

Submission deadline: 30/10/2018
More information: <http://adedu.co.nz/architecture-competition/>

2019 Skyscraper Competition

eVolo Magazine is pleased to invite architects, students, engineers, designers, and artists from around the globe to take part in the 2019 Skyscraper Competition. It recognizes outstanding ideas that redefine skyscraper design through the implementation of novel technologies, materials, programs, aesthetics, and spatial organizations along with studies on globalization, flexibility, adaptability, and the digital revolution. It is a forum that examines the relationship between the skyscraper and the natural world, the skyscraper and the community, and the skyscraper and the city.

Early registration deadline: 20/11/2018
Late registration deadline: 29/01/2019
Submission deadline: 12/02/2019
More information:
<http://www.evolo.us/category/2019/>

Waste: Lagos Landfill Stadium

Waste is a global issue common to all urban areas. The world now creates more than a billion tons of garbage a year, which it incinerates, buries, exports, and recycles. As major cities expand so must their ability to reverse wasteful tendencies and begin living more efficiently and sustainably. *arch out loud* asks participants to design a new multi-purpose stadium at the former Olusosun Landfill. Designers should interpret the ideal supplemental program for the stadium, exploring the inherent shortfalls of stand alone stadiums. Proposals should address the present-day concerns of Lagos by implementing an additional program that meets the requirements of the surrounding neighborhood and city.

Early registration deadline: 29/10/2018
Late registration deadline: 16/12/2019
Submission deadline: 17/02/2019
More information :
<https://www.archoutloud.com/waste.html>



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