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Philippe SAMYN and PARTNERS architects & engineers, LEAD and DESIGN PARTNER, With Studio Valle Progettazioni architects, Büro Happold Limited engineers, Photo © Marco Dettlfe

archi-news **1/2018**

Nordic architecture, a perfect balance!

Simplicity and elegance. These two words – probably reductive – characterize the Nordic architecture, fusion of modernism and tradition. In Copenhagen, as well in Oslo where the vernacular meets a renewed functionalist movement or in Sweden multiplying places where aesthetics and innovation are daily present.

Northern people have always had a special link with nature, this being one of the reasons why the industrial revolution arrived relatively later in this part of the world. They have intrinsically applied functionalism (before it became a movement) to develop a specific approach and a way of mind based on the “form – follows – function” principle and realize intelligently designed buildings. The Nordic style would never have been fully recognized by the rest of the world if Alvar Aalto (1898-1976) had not existed. Whilst the analogy between its free forms and the shapes of the Finland landscapes are often underlined its architectural approach is also linked to the symbolic expression of nature in contact with the international artistic avant-garde.

Some of the greatest designers come from Denmark, Arne Jacobsen as leader. His buildings, as well as his still much appreciated furniture, show the human dimension of organic modernism. During these last years a wave of new architects brings the Danish architecture to a top level. One of the most famous today is Bjarke Ingels, the founder of BIG – Bjarke Ingels Group. Although he is sometimes accused of abandoning Scandinavian modernism and some of its principles based on a harmonious relationship with nature, his buildings (often eccentric) will still favour green roofs, plenty of natural light and spaces designed in relation with the climatic conditions. However, thanks to the new materials available and the idea of labour liberty, he claims an “pragmatic utopian architecture”. Many other offices continue the history of Scandinavian design in relation to nature with a brilliant use of technology.

Series of volumes, materials, textures and light playing a key role in the architectural conception, contribute to deeply transform the space into a new nature for the contemporary life. The Northern architecture is being reinvented. In opposition to globalization the designers are showing a strong will to emphasize and reinforce the national and cultural particularities. It does not mean refer to proven solutions but to reinterpret and transcend traditions by refreshing them.

Marie-Claire Regniers

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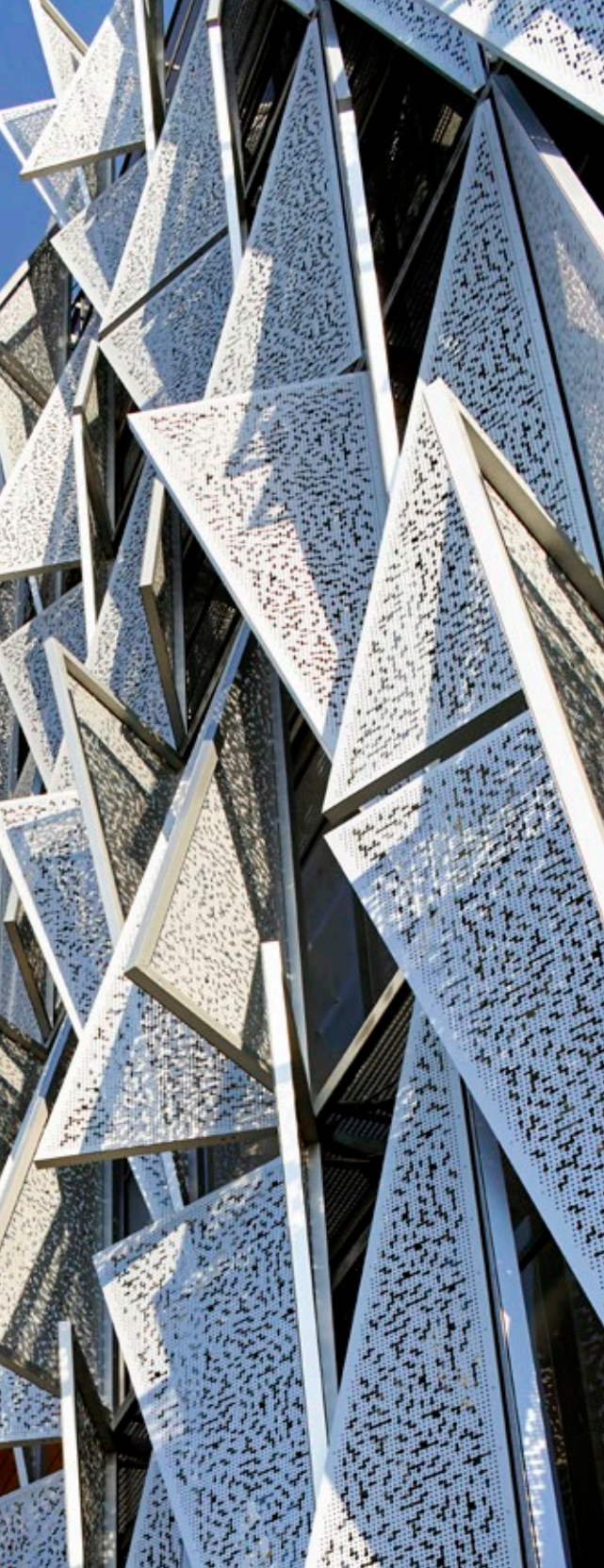
**University of Southern Denmark,
Kolding Campus, Kolding (2014)**

Arch. Henning Larsen Architects (DK)

With its triangular shape and its creative façade, Kolding Campus creates a significant new landmark in Kolding and will thereby form a close interaction with the other educational institutions of the town.

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Europa Building Brussels

Philippe SAMYN and PARTNERS architects & engineers, LEAD and DESIGN PARTNER. With Studio Valle Progettazioni architects, Buro Happold Limited engineers. Photo © Marc Detiffe

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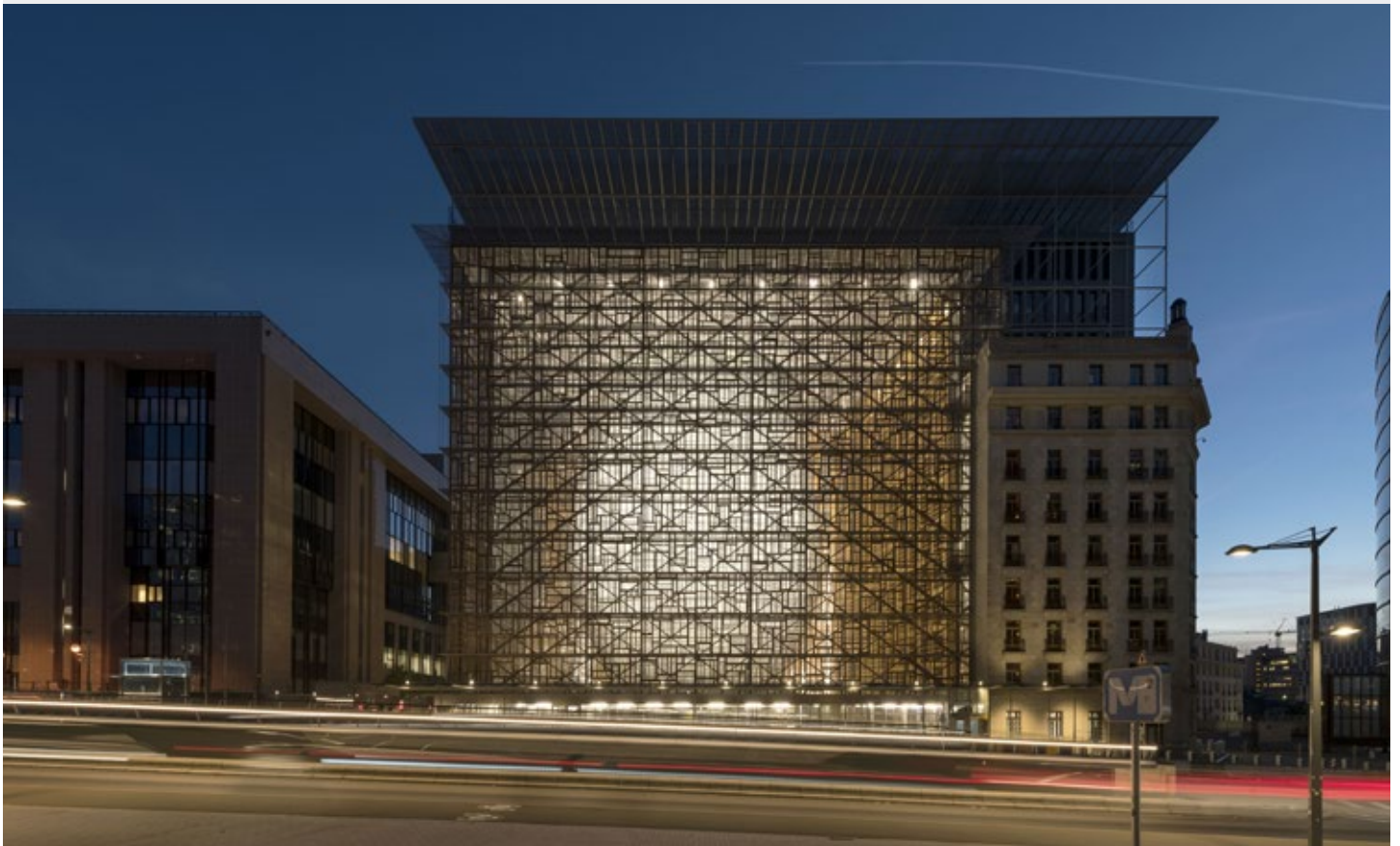
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Europa Building Brussels

**Arch. Samyn Partners,
Architects & Engineers**

With its extraordinary patchwork Mondrian style façade with recycled frames and its intriguing interior, the new European Council headquarters in Brussels show the challenges taken up and the technical virtuosity of Philippe Samyn. And mainly his respect for the genius loci, the sustainability and the well executed work.



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Philippe SAMYN and PARTNERS architects & engineers, LEAD and DESIGN PARTNER.

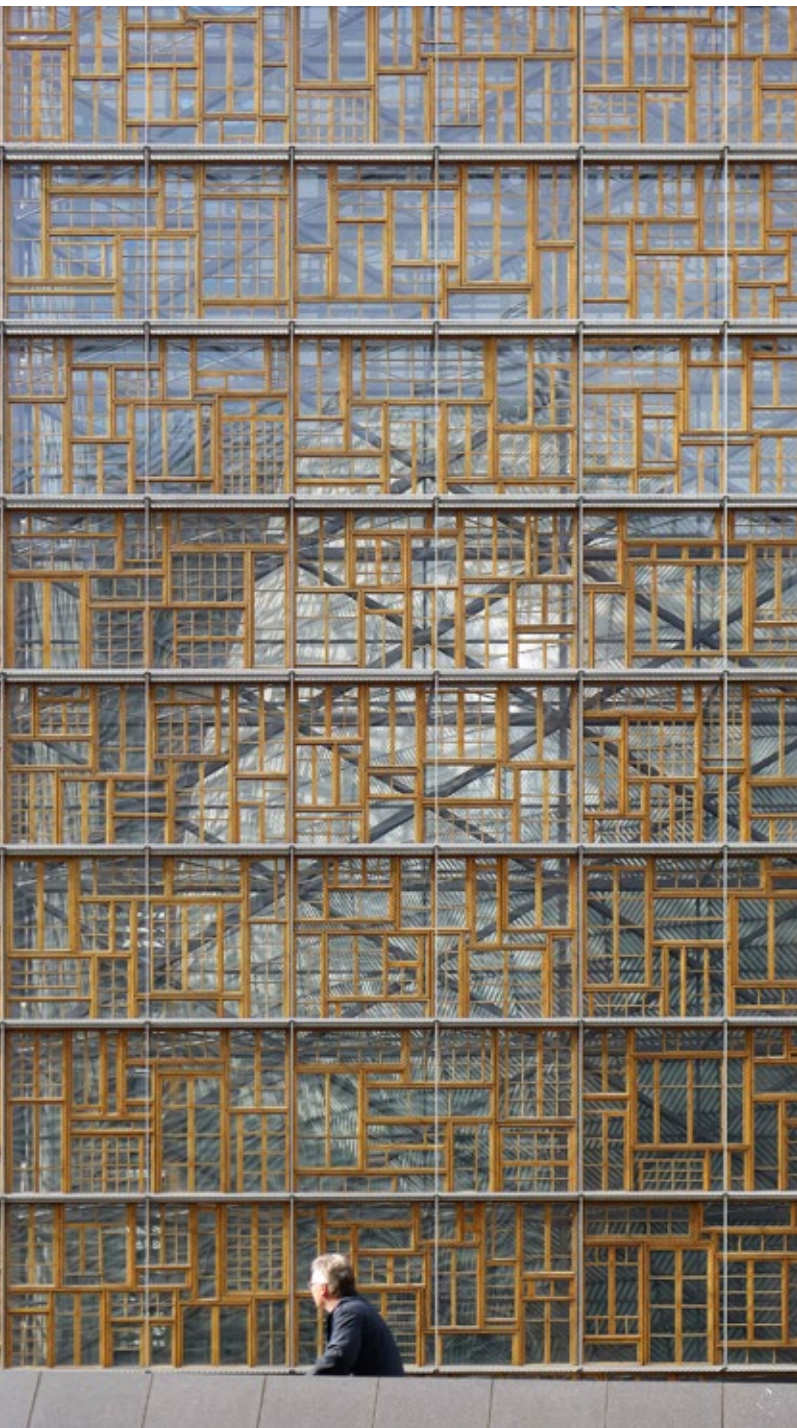
With Studio Valle Progettazioni architects, Buro Happold Limited engineers. Photo © Marie-Françoise Plissart



2 Philippe SAMYN and PARTNERS architects & engineers, LEAD and DESIGN PARTNER.
With Studio Valle Progettazioni architects, Buro Happold Limited engineers. Photo © Tim Fisher

Everything started in 2005 when Samyn Partners, Architects & Engineers won, in partnership with the Italian office Studio Valle Progettazioni and Buro Happold Limited Engineers, the architecture competition for the European Council's new headquarters. It's the beginning of a long term project, which will last almost 12 years, with

thousands of drawings, plans and more than 20000 emails exchanged. When he initiates this high-flying project, in the heart of the prestigious Brussels European district, with his 35 year experience and his meticulous precision, when finalizing all the details of the technical specifications, his first idea is to preserve this symbolic building for



3

Philippe SAMYN and PARTNERS architects & engineers, LEAD and DESIGN PARTNER. With Studio Valle Progettazioni architects, Buro Happold Limited engineers. Photo © Thierry Henrard

the Brussels population: the Residence Palace. He wants to save the building's historical part designed in the 1920' by the Swiss architect Michel Polak, whilst studying what the existing structure could still propose. For Philippe Samyn, the respect of the heritage doesn't mean to exclude modernity. Rapidly, he feels the urgent necessity to create a cube, with no concession to forms, a sort of box open on the city attached to the Residence Palace. A type of revenge on the unattractive urban context, among the flow of cars. The two façades made of waste frames, collected from all parts of Europe, treated, reworked, with simple glazing and adjusted with random appearance by steel brackets, symbolize diversity (the 3000 window frames come from all the EU countries), unity (all are made of oak) and obviously recycling.

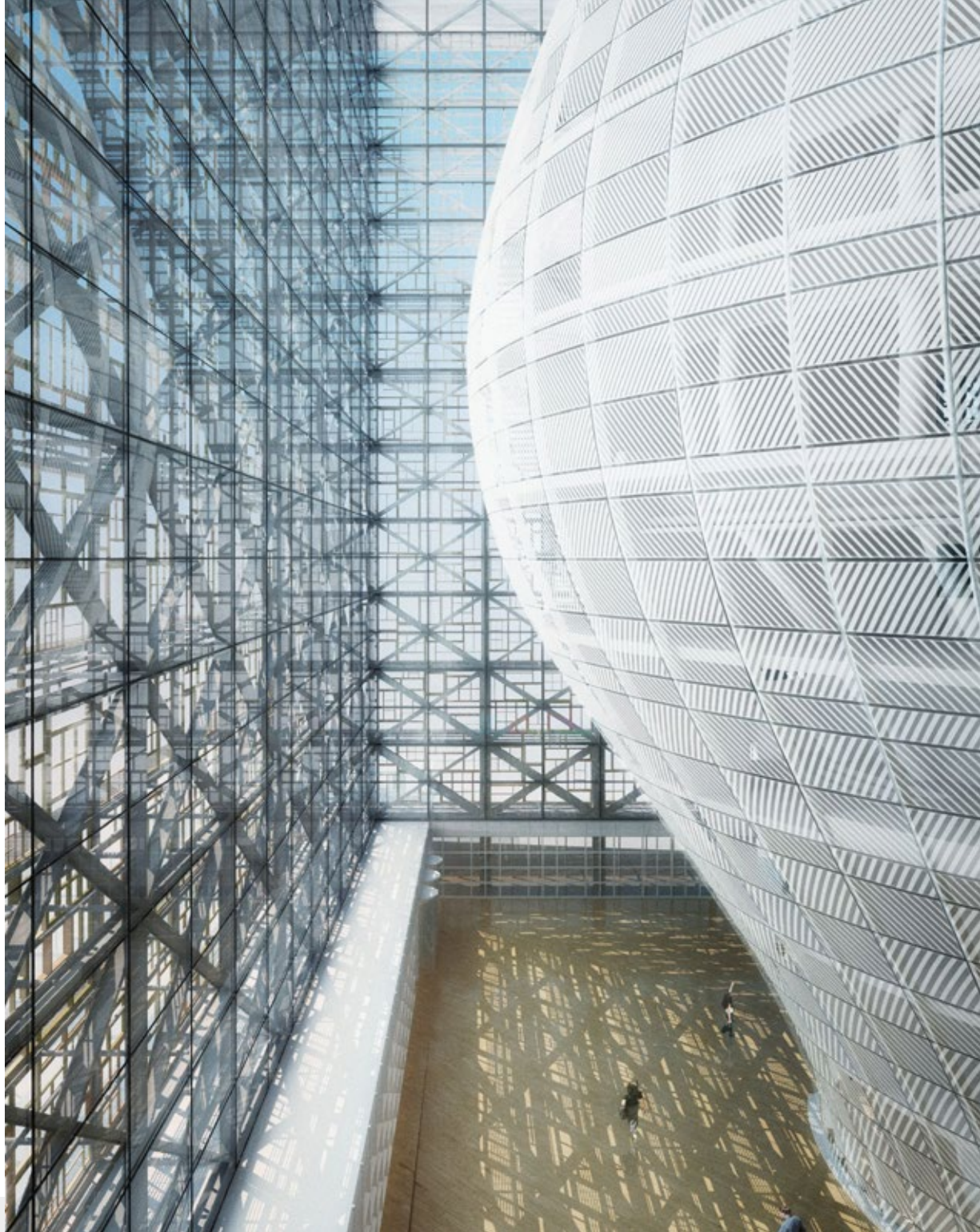
The building not only integrates unexpectedly these elements of the past whilst clearly transmitting sustainability, but it reveals also a poetic approach, in complete contrast with the usual functional buildings where the Eurocrats work.

A second skin made of double glazed security glass enables to reduce the impact of the Rue de la Loi noise and limits the thermal heat losses. The glass is fit on a microblasted stainless steel frame with variable width braces, which enable to spare material. It is amusing to note the use imposed by Philippe Samyn in the technical specification for the choice of the color « dust grey » (dust to be taken from the Rue de la Loi) to avoid that the areas with intense walking traffic become too easily dirty.

In the middle of this great transparent cube, a sort of huge lantern lit up during the night - a curved volume covered with glass diagonal strips to change the transparency - houses the Council of Ministers meeting rooms and offices. Each floor develops an elliptical layout with

Philippe SAMYN and PARTNERS
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5 Philippe SAMYN and PARTNERS architects & engineers, LEAD and DESIGN PARTNER.
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different sizes. One can easily imagine all the drawings, studies and calculations needed to obtain this original form.

As to the atrium, it accommodates on its eleven levels all the conference rooms, reception lounges and restaurants. For the inside of the building, Philippe Samyn worked with the painter Georges Meurant who has drawn, within a great range of colours, the woolen carpets, the felt ceilings, the glazed lift shafts showing the huge coloured square paintings on all the height of the stairwells.

Europa, the symbolic landmark to welcome the European summits and the meetings between all the EU Presidents and Prime Ministers, was a complex adventure, because, at each stage of the project, the architect and engineer teams had to innovate and invent solutions. Philippe Samyn wants to underline the positive role of the Brussels Building Authority and the importance of his partnership with the industries, as well as the flexibility and open spirit of all the enterprises he worked with. "It is crucial to federate the craftsmen on the project". The architect admits that he generally learns a lot from the workmen on



6 Philippe SAMYN and PARTNERS architects & engineers, LEAD and DESIGN PARTNER.
With Studio Valle Progettazioni architects, Buro Happold Limited engineers. Photo © Marie-Françoise Plissart

the construction site. “For the enterprises, the permanent training of the qualified workmen is fundamental, as they have to feel they are an integral part of the project.”

Architect, city-planner, civil engineer and Doctor in Applied Sciences, Philippe Samyn admits his obsession for the global concept intimately mixing architecture and engineering. Without showing off nor any pretension. Today we sometimes notice projects with an excess of forms, which are really an insult to mankind. “One must aim to a moral

improvement of architecture, he says.” It means a humanist approach of technology. The basic concept for the Europa building has materialized, namely that, like the representation of the building, “Europe is also a patchwork giving a great cultural wealth. Europe is a constant duality between unity and diversity. It is unity within diversity. That is what had to be shown.”



Gifted with a pioneering spirit, Viggo Haremst contributes to the reputation of Henning Larsen, one of the greatest Danish practices.

Photo © Henning Larsen Architects

Viggo Haremst **Henning Larsen, Denmark/Germany**

www.henninglarsen.com

After studying at the Lund University (Sweden) and at The Danish Design School in Copenhagen, Viggo Haremst graduated in architecture at the Royal Danish Academy of Fine Arts School (2000). The architect started his professional career at two famous offices, i.e., Zaha Hadid Architects (2002) and White Architects (2003). After that he worked at Nord Architects in Copenhagen (2007), before joining the Henning Larsen team (2012) where he worked as one of the company's lead designers for several years. In 2014, he joined Henning Larsen's Munich office as a Partner and Design Director with the task to expand the office internationally together with the Managing Director and Partner Werner Frosch. He initiates and develops projects with a strong conceptual identity as well as coordinating the design direction of ongoing projects. His focus is on large public buildings, headquarters, universities and mixed-use projects in various cultural contexts.

Viggo's creative management and attention to detail has been the driving force on several large competition teams. His experience ranges from creative management in the early phases to the actual building



Visualization © Henning Larsen Architects



University of Southern Denmark, Kolding Campus, Kolding (2014)

With its triangular shape and its creative façade, Kolding Campus creates a significant new landmark in Kolding and will thereby form a close interaction with the other educational institutions of the town. The solar shading system consists of approximately 1600 triangular shutters of perforated steel, mounted on the façade in a way which allows them to adjust to the changing daylight and desired inflow of light. Inside the five-floor atrium, the displaced position of the staircases and access balconies creates a special dynamics where the triangular shape repeats its pattern in a continuous variety of positions up through the different floors.

Photo © Henning Larsen Architects



Gem Building, Riyadh, Saudi Arabia (2013)

The Gem is composed of three separate buildings for a mixed-use programme. The cluster of gems creates spaces for a fluid and flexible circulation around and through the buildings. Wrapping the faceted exterior, a high quality metal mesh fabric provides solar protection and weather-resistance to local sandstorms. In addition, the geometry and the situation of the building create shade between the volumes. Combined with site-wide strategies for water-efficiency and reclamation, the energy efficient technologies support several sustainable initiatives. The building is designed to achieve LEED Certification upon completion.

phase. He has successfully combined building design and master-plans with a special attention to green and environmental aspects. With a strong focus on the user aspect and organization of the space, he has a special ability to maintain a strong concept throughout the many project stages.

Viggo Haremst has a vast international experience leading prize-winning competitions and projects of various scales in Europe, Asia, the Middle East and Africa, among others the Batumi Aquarium in Georgia, the Gem Building in Riyadh, the Southern Denmark University's Kolding Campus building, the Roskilde Campus and the Mediacorp Headquarters in Singapore. He has taught at the Technical University of Denmark and as partner of Henning Larsen he acts as a keynote speaker in various parts of the world holding lectures about current research and projects.



Photo © Peter Jarvard

Campus Roskilde, University College Sealand, Denmark (2012)

Consisting of four square buildings – slightly rotated towards each other to screen the area from the motorway, the campus facilitates dialogue and random meetings and provides the students with a feeling of being part of a manifold university environment beating with one pulse. In this way, a new meeting place is created between the urban quarter of Trekroner and the green areas around Roskilde University. Under the overhang of the main building, a roofed square opens up to the rest of the campus area and creates life and a sense of community among the students, consolidating its professional bachelor's programmes covering social education and social work, health and teaching.

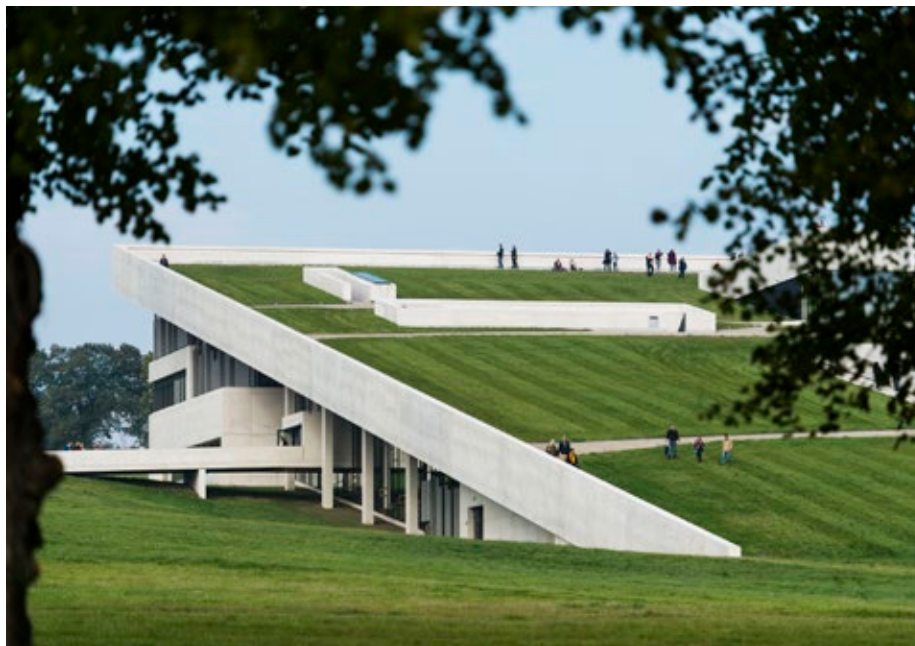
Henning Larsen Architects was founded in 1959, in Copenhagen, by the famous Danish architect Henning Larsen (1925–2013) after he worked first with Arne Jacobsen and then with Jorn Utzon. The first great project outside of Scandinavia is the Ministry of Foreign Affairs in Riyadh (Saudi Arabia), which establishes their long lasting international reputation. Noticing an increasing demand for Scandinavian architecture, the office reinforces and expands its international presence by opening branches worldwide, in Riyadh, Munich, Oslo, Istanbul, Faroe Islands and Hong Kong. More than 200 people – architects, engineers, designers and employees – perfectly combine proximity with clients, local context, traditional Scandinavian concept, sustainability, social responsibility and cutting-edge technology know-how to resolve the present challenges.

Harpa Concert Hall & Conference Center, Reykjavik, Iceland (2011)

Situated in a solitary spot with a clear view on the sea and the mountains surrounding Reykjavik, the building (28,000 m²) stands out as a large, radiant sculpture reflecting both the sky and the harbour space as well as the vibrant life of the city. Seen from the foyer, the halls form a mountain-like massif that similar to basalt rock on the coast forms a stark contrast to the expressive and open facade. At the core of the rock, the largest hall of the Centre, the main concert hall, reveals its interior as a red-hot centre of force. The spectacular facades have been designed in close collaboration between Henning Larsen Architects, the Danish-Icelandic artist Olafur Eliasson and the engineering companies Rambøll and ArtEngineering GmbH from Germany.



Photo © Harpa



Moesgaard Museum, Jutland, Denmark (2014)

Like an invitation from prehistoric times, this museum in the heart of Jutland beckons visitors to come inside, where the exhibition halls are designed as terraces that open up to reveal their secrets, like the strata of an archaeological excavation. After Moesgaard Museum moved into this new exhibition building, the number of visitors increased to more than half a million per year. The sloping roof, landscaped with grass and moss, makes the museum a striking icon in this historical setting. In the summer months, the roof has been used as a theater stage, cycling track and Viking market. In the winter, after a snow fall, the steep roof is the most popular tobogganing slope in the area. The museum's roof has thus been used in ways that far exceed the expectations.

Photo © Moesgaard.dk

Umeå Museum of Art, Sweden (2011)

Umeå's contemporary art museum, Bildmuseet, has been described as one of the world's most beautiful art museums. The museum is built as a tower with three open stories, with the aim of fulfilling different exhibition requirements. The Nordic design reflects the detailed treatment of daylight and our vision to create close interaction between the museum, art and nature. The facade covering's vertical slats of larch wood emphasize the building's symbolic value as a beacon of creativity in Umeå.



Photo courtesy of Henning Larsen Architects

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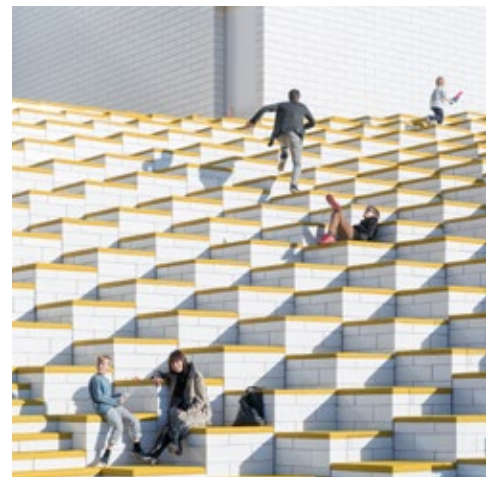
Billund, Denmark (2017)

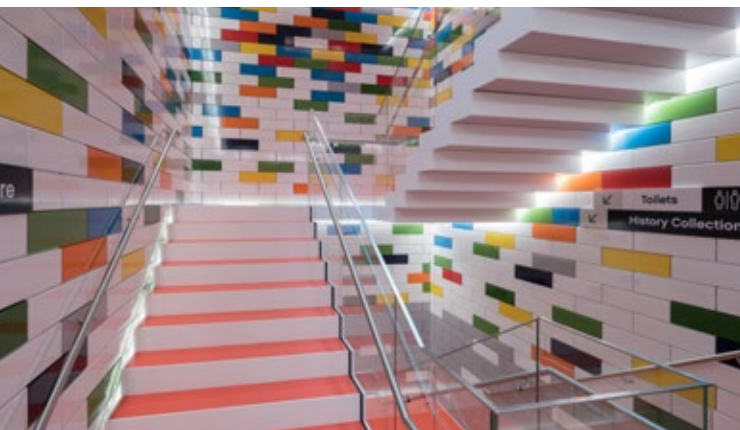
Arch. BIG and COWI



Lego House brings the toy scale of the classic Lego brick to architectural scale, forming vast exhibition spaces and public squares that embody the culture and values at the heart of all Lego experiences. The place is an experience hub for Lego fans of all ages, as well as an architectural landmark and a significant step towards the city's goal of making Billund the Capital for Children. Due to its central location in the heart of Billund, the building (12,000 m²) is conceived as an urban space as much as an experience center. The 21 overlapping blocks are placed like individual buildings, framing a square that is illuminated through the cracks and gaps between the volumes.

Lego house is a literal manifestation of the infinite possibilities of the Lego brick. Imagine new exciting and expressive worlds is what children do every day with Lego bricks. The square is energized by an urban character, welcoming locals and visitors to the café, restaurant, store and conference facilities. Above the square, a cluster of galleries overlap to create a continuous sequence of exhibitions. Each gallery is color-coded in Lego's primary colors so wayfinding through the exhibitions becomes a journey through the color spectrum.





The first and second floors include four play zones arranged by color and programmed with activities that represent a certain aspect of a child's learning: red is creative, blue is cognitive, green is social, and yellow is emotional. Guests of all ages can have an immersive and interactive experience, express their imagination, and not least be challenged by meeting other builders from all over the world.

www.big.dk
www.legohouse.com

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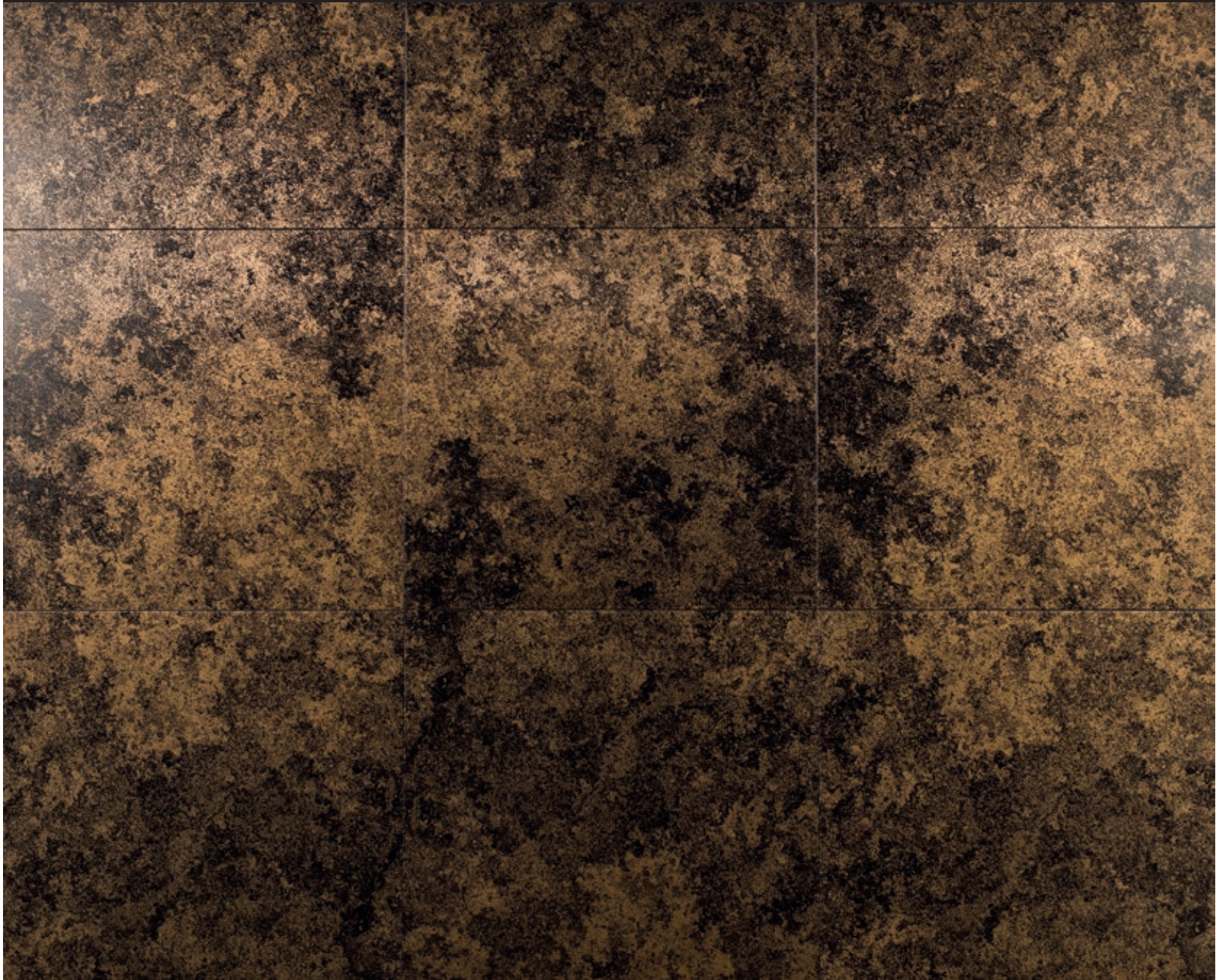
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Gdańsk Shakespeare Theatre, Poland (2014)

Arch. Renato Rizzi (I)



Two fundamental assumptions converge in this project: historical nature and political-cultural nature.

The Baltic city had already known at the beginning of the seventeenth century the wooden building of the Elizabethan Theatre. After about four centuries a new theatre was built at the same place, but in a completely different urban and landscape context, restarting from their archaeological traces. In 2004, there was an international competition for the design of the new Elizabethan Theatre. As if the new theatre had to represent on the stage of Gdansk the political changes of the country. The outer edges are public passageways leading around the whole complex. This new pedestrian urban platform lies 6m above the entrance level. The height offers a new viewpoint of the historic and modern city with its contrasts and compositional counterpoints. Functionally, the edges ensure escape ways from the theatre, and pedestrian links with all the levels of the complex, including that of the basement at 5m below level ground. On the outside, the theatre's silhouette is characterised by three general aspects: volumes, masonry ribs, and an openable roof. From the volume's profile two very distinct parts emerge. The first belongs to the Elizabethan theatre, and sets the height of



the building at 12m. The second belongs to the 18m high scenic tower. Technical, systems related and symbolic requirements make it the highest panoramic point.

The retractable roof over the auditorium, consisting of two movable roof planes with dimensions 10.5 x 21m each is unique in the world. The roof structure is fixed to the building's reinforced concrete structure and concealed behind the parapet wall, it is thus not visible from the street level. Anemometers are attached on each wing to measure the wind speed, giving an alarm when a predetermined threshold is reached and the roof is then closed. The roof is clad in pre-patinated copper with standing seams. Thermal insulation is provided by composite panels filled with polyurethane foam. Acoustic panels with spot light fittings are placed in the upper truss plane to expose

and enhance the spatial aspects of the roof structure. When the roof is open, the view from the tower includes the interior of the theatre. Masonry ribs in the outer walls characterise the volumes of the theatre and scenic tower. On the outside, they indicate the rhythm of the modular indoor structure. They are needed to absorb the pressure that the open "wings" of the roof exert on the walls below in order to contrast the force of northerly winds.

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Architect and partner to AW2, a practice known for its capacity to adapt to all types of programs or contexts, in France and in foreign countries, Stéphanie Ledoux designs her projects with an open approach, without preconceived ideas and focused on the bioclimatic concept.

Photo © Mikael Benard

Stéphanie Ledoux AW2, France

www.aw2.com

Founded in Paris in 1997 by Reda Amalou, the international architecture and interior design office AW2 is now run by Stéphanie Ledoux and himself, both partners personally involved in all the projects. The practice has specialized in high added value projects, especially in “de luxe” hotels and quality interiors, which represent an important part of their activities. Enabling them to win many awards throughout the world. In 2012 and 2014, AW2 won the MIPIM Award for Best Hotel with the Six Senses Condao resort and was nominated twice at the AFEX (French Architects Overseas) Grand Prix d'Architecture in France.

The French architect Stéphanie Ledoux has studied at the Ecole Spéciale d'Architecture de Paris, then at the Milwaukee University (Wisconsin, USA). She continues her training period with Jean-François Lagneau, Chief Architect at the Monuments Historiques. In 1999, after receiving the « Meilleur Diplôme de l'Ecole Spéciale » Prize, Stéphanie Ledoux starts working with the office AW2, where she becomes a partner and one of the managers in 2002.

Her partnership with Reda Amalou is the beginning of a period during which AW2 will strengthen their multidisciplinary team in order to be able to handle sizeable projects. Stéphanie Ledoux, together with her



Photo © Daniel Moulinet



Photo © Mikael Benard

"Maison Krug", Reims, France (2017)

AW2 realized the entire renovation of the House of Krug made with a homogenous architecture and a contemporary vision, without erasing traces of its history. Taking part of the project, the intimate Salon des 400 Vins is lined with 400 multicolored wine bottles to form an representation of the 250 base wines and 150 reserves, which, when combined, create each blend of the label's annual Krug Grande Cuvée.



Lycée Français in Amman, Jordan (2013)

The architectural concept of this 6500sqm school complex for 450 students is directly coming from the site's inherent qualities. Jordan (more especially Amman) has appeared as a place where the light, strong, lively and omnipresent, expresses itself especially well when interacting with the material to create shadows which reveal the volumes. The town of Amman being built on a hilly site the buildings will follow the grounds forms and will be organized in a tight pattern to generate open spaces where take place gardens and shady zones. The stone's omnipresence, conversing permanently with the vegetation, makes it a harmonious place strongly impregnated with traditional culture. Our site study corresponds well to this approach of the city: steep slope, East-West orientation, visual environment with a remarkable landscape quality. The combination of this site's aspects enables to design a project respecting three themes: Anchorage, Material & Light.



Photo © Myqua

associate, continues each year to develop new projects throughout the world. This strong presence in foreign countries enabled them to open in 2005 a partnership with a local based company in Vietnam. The projects, the “Lycée Français” in Ho Chi Minh City (Vietnam) and in Amman (Jordan), the International Esmod School in Paris, the renovation of the “Maison Krug” in Reims (France) have a common characteristic: they are based on specific issues, i.e. understand the site with its richest components, being able to read the elements of the cultural, climatic, programmatic and economic context, use the most immediate resources and draw projects taking account of the problems and the context. This approach enables to tackle all the matters with an open point of view, favouring invention, whilst treating the subject accurately and pertinently. This bioclimatic approach allows

Stéphanie Ledoux to question and to position herself beforehand as to the relevance of the establishment on the site, the intelligence of the envelope, the coherence with the immediate environment resources, the optimization of the energy choices. The office favours wood, in all its approaches, with the object of innovating the form whilst treating with pertinence the stakes of each project. For an architect a project starts always by a questioning. It is important to define the project’s context and determine its ambitions. Its architectural approach corresponds more to an open and without a priori process than to a theoretical and stylistic strict frame.

Six Sense Con Dao, Vietnam (2012)

The site is one of the most beautiful places on Con Dao Island. The main concern at the start of the project was how to deal with these wonderful pre-existing conditions without destroying the essence of the site and give a real identity to the resort. This implied ecology and sustainability issues. For the guests' resort experience, the architects had to preserve this feel of nature. The concept is to enhance the natural local setting with its main features, to design all buildings and circulations in term of scale and texture to fit within the existing environment and to provide beautiful views and a permanent discovery of the landscape. Located at high level and over the river, the main arrival takes the guests into a series of timber frame buildings organised in public areas on terraces over the beach and the river. Created as pavilions, the residential villas are connected by terraces and pathways. Against the falling rocks, small public buildings are a reinterpretation of the traditional shape of the Vietnamese house with two pitches shingle roof, one building linked to another as we may find them in the village on countryside. The walls are clad in old Vietnamese doors. This is a clear statement made both environmentally in terms of re-use of discarded construction materials but also to give a sense of place. The final result is a stunning arrangement of buildings, which carry the mark of history of a vernacular Vietnamese architecture.



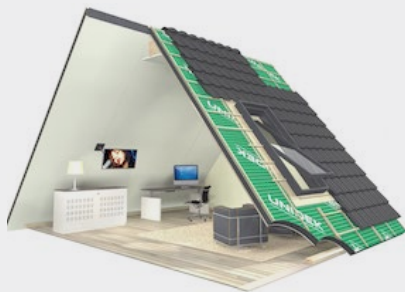
Photo © Myqua

Innovative Houses, Chanteloup en Brie, Marne la Vallée (2016)

The pilot real estate program of Lodges – 35 passive and scalable housing – is an answer to the stakes of tomorrow's city: scalability, thermal performance, emphasis on innovative economic subjects. Conscious that the traditional construction modes accelerate the raw materials exhaustion, as well as the energy resources needed for their manufacturing, the architects have decided to extensively use materials based on renewable raw materials of agricultural origin. They chose wood as components for the structures and for the exterior carpentry and hemp wool for insulation purposes. The approach integrates the will to face the challenges of sustainable development, by applied research and innovation, to favour reflections on city-planning and construction, and to work on the improvement of a project from the beginning to its realization and even further on.



Photo © Camille Gharbi



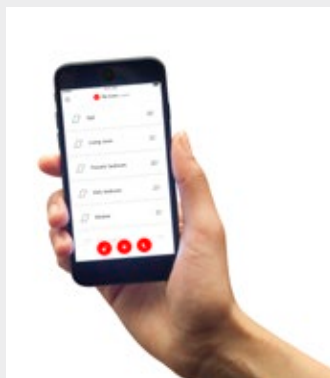
Kingspan Unidek Aero Comfort, structurally insulated panel roofing system for use in pitched roof applications

Unidek Aero Comfort sandwich elements offer a high thermal insulation level and enable airtight buildings without thermal bridges. The excellent airtightness is realized by applying the pitched roof elements combined with special airtight accessories and a high level of accuracy when building.

Furthermore, Unidek Aero Comfort pitched roof elements distinguish themselves from traditional roof systems and other pitched roof elements by offering a continuous thermal envelope. This means: no extra cold bridges and an optimal thermal comfort. Unidek Aero Comfort sandwich panels comprise a graphite coated EPS insulation core which accommodates 4 timber structural ribs.

The panels are supplied with 3 mm thick particleboard upper facing and 3 external counter battens. The lower facing comprises a 12 mm thick plasterboard especially developed for this application and a 3 mm thick particleboard with a melamine coated white finish. The panels are 1020 mm wide and can be supplied in lengths up to 8000 mm. Unidek Aero Comfort panels yield U_c-values of 0.27 up to 0.14.

www.kingspanunidek.be



VELUX ACTIVE with NETATMO Smart automated control of roof windows, blinds & shutters

Some months ago VELUX announced a partnership agreement with innovative consumer technology company NETATMO, to develop a range of smart home products under the name VELUX ACTIVE. These products, expected to launch in autumn 2018, will provide WiFi connectivity and smart controls for VELUX Integra roof windows and sunscreening products, along with a control app for iOS and Android devices. Based on a range of indoor climate parameters, such as temperature, sunlight

levels, humidity and CO₂ levels, users will be able to automate window and sunscreen operation – thereby ensuring the optimum indoor climate at home at all times.

www.velux.be



Aluminium reveals

Roval Aluminium, a subsidiary of Reynaers Aluminium, specialises in custom-made solutions for aluminium construction products. One of these custom-made products is aluminium reveals, which are used in housing and non-residential construction as well as educational and healthcare institutions. In combination with Roval's aluminium windowsills, the reveals give the façade opening a balanced appearance. Roval offers the architect maximum design freedom. Not only in terms of size and shape, but also variations in colour.

Roval's reveals are available in almost all RAL colours. The architect can also choose between an anodised or enamelled finish. The advantage of aluminium reveals compared with other materials, such as wood or plastic, is that you can create very slender details with them, they are durable and low-maintenance.

www.roval.be



Vrijdaghs, the flexible foam solution, is your partner for all soft-foam applications.

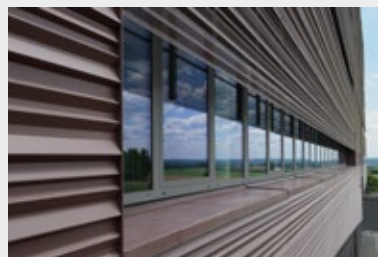
Our wide experience in shaping soft-foams, makes us the perfect partner for your "custom made" design. Many of our products find their application in different industries such

as Comfort (mattresses & furniture), Building (acoustics), Design (coatings), Packaging, Cleaning, Industrial,...

In the world of Interior Design, we specially focus on "custom made" coating applications for Furniture, Wall coverings, Branding, etc. Vrijdaghs is your solution for shaping and coating your idea into soft foam. Every design is developed together with our customers to achieve the best results. We are looking forward to help you with your ideas and maybe we can create something "special".

To see inspiring projects, go to:

www.vrijdaghs.be/nl/coating/schuimcoating-foamcoating



MAKE ZINC YOURS - BUILDING WITH VMZINC

Customization is also a growing trend in the building industry. Clients and design teams are looking for original, made-to-order solutions to put their hallmark on projects. VMZINC® provides responses to these new requirements and offers colors on request, folds and made-to-order perforations that extend the use of zinc.

VMZINC PERFORATED ZINC

VMZINC offers a wide range of standard or made-to-order perforations according to the aesthetics and degree of transparency sought: rounded, square, rectangular or trapezoidal forms; uniform or arbitrary layout and photographic reproduction using pixellation of motifs.

SOLUTIONS WITH SPECIFIC FOLDS

VMZINC's industrial skills enable the brand to develop cladding systems on request in the form of ribbed profiles, installed on a metal or timber wall-mounted framework. Assembled using visible fixing, various ranges and depths can feature on a single profile. These ribbed profiles provide rhythm and structure.

www.vmzinc.be

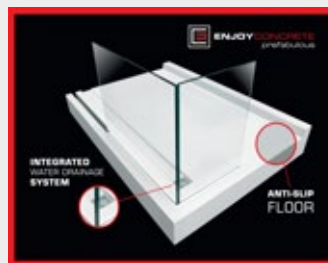


Neighbours®

Neighbours® is a garden wall system/screen that stands out through its sleek design and for which Outdoor Wood Concepts® developed a patented assembly system that can hardly be detected by the naked eye. Thanks to this system, the beams can be installed only 40 centimeters beneath the

ground. Just above the ground, Neighbours® is available in heights up to 3 meters. The system satisfies the applicable standards with regard to wind load, steel constructions and anchoring. What also makes Neighbours® unique is the wooden semi-transparent screen through a smart positioning of the wooden beams. Neighbours® can contribute to a sleek design guaranteed to provide both privacy and contact with the surrounding environment. It is available in Sustainability Class I tropical hardwood in heights of 1.80, 2 or 3 meters.

www.outdoorwoodconcepts.be



With the prefabrication of design concrete, Enjoy Concrete focuses on both private individuals and project developers. The added value is that everything is custom-made. We work a lot with architects who like clean lines that grace simplicity. Together we make their dream come true.

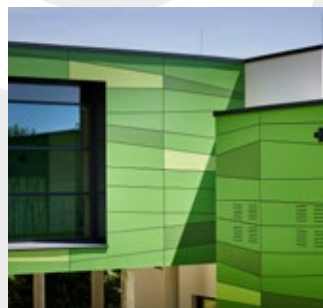
An application where Enjoy Concrete combines practical ease of use with aesthetics, are the double-sided smooth balconies. A unique technology and a special formwork system result in balconies that have a very smooth appearance on all sides, of which the surface can be equipped with an anti-slip design of your choice. The final product is hydrophobed so that it is resistant to water and aggressive pollution. The advantage of this is that the balconies are very durable and hold a great aesthetic value.

An absolute eye-catcher in the range is Graphic Concrete®. It enables to personalize large prefabricated concrete surfaces via graphic patterns, texts, and photographs.

www.enjoyconcrete.be



Rockpanel facade cladding – Ultimate fire safety with total design freedom



Rockpanel has renewed its entire portfolio of products to offer more choice and deliver a solution for every facade you can imagine. Our new expansive portfolio ranges from Basic Applications all the way through to our Premium Facades. Combine your creativity with our FS-Xtra boards (A2-s1, d0) and there is absolutely no compromise on fire safety.

Rockpanel Colours more choice with an extended colour palette

Our existing Standard colour range is extended to 50 colours. They are available at our central stock and can be ordered at the distributor in any quantity. In addition, the Rockpanel Colours Special range is expanded with 44 new colours. Now, with in total 144 RAL- and NCS colours to choose from, you can specify the colour that will bring your design to life.

Discover our full assortment: www.rockpanel.be

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Books

Architecture et psychiatrie : Approches françaises et internationales

Viviane Kovess-Masfety
& Donato Severo

Christoph Merian Verlag
English
444 pages // € 68.00
ISBN 978-3-85616-843-8
www.merianverlag.ch

Published as an extension of the second symposium on the subject, which took place in Paris, at the Paris-Val de Seine National School of Architecture, the book deals with architectural solutions adapted to all phases of mental disorders by reconciling at best security while providing people with a space that promotes their recovery and maintains their social connections.

Editions du Moniteur // French
340 pages // € 85.00
ISBN 978-2-281-14146-7
www.editionsdumoniteur.com

Bengal Stream. The Vibrant Architecture Scene of Bangladesh

S AM Schweizerisches
Architekturmuseum Niklaus
Graber, Andreas Ruby, Viviane
Ehrensberger
With photographs by Iwan
Baan

Taschen
648 pages // € 49.99
SBN 978-3-8365-6235-5
(English, French, German)
ISBN 978-3-8365-6236-2
(Italian, Portuguese, Spanish)
www.taschen.com

Bangladesh, it's synonymous environmental disasters. But there is also another, optimistic and committed country. An integral part of that spirit is its vibrant architecture scene which addresses the pressing social and environmental issues that the country is facing - and which has so far barely been noticed beyond its borders. The book shows for the first time an overview of this diverse and sensitive, pragmatic and yet poetic architecture.

Too Big Henk Ovink & Jelte Boeijsenga

Using an innovative design process based on the design competition model, Rebuild by Design places local communities and civic leaders at the heart of an interdisciplinary creative process to generate implementable solutions for a more resilient region. This book aims to reflect on what Rebuild by Design did, assess it in all its aspects and embed it in a broader context to offer a guide for offering future approaches wherever

climate-change induced, water-related urban challenges arise.

nai01 Publishers // English
272 pages // € 29.95
ISBN 978-94-6208-331-8
www.naibooksellers.nl

Compendium of Landscape Architecture

This groundbreaking work provides an overview of the whole creative realm of contemporary landscape architecture and open space design. Every aspect of the creation and production of these public and private spaces is thematized and elucidated. These spaces encompass an enormous variety, ranging from golf courses to greened façades, pedestrian zones and large-scale ecological interventions. Comprehensive introductions to each of the 30 chapters chart the various tasks and challenges.

Braun Publishings // English
512 pages // € 78.00
ISBN 978-3-03768-219-7
www.braun-publishing.ch

Herzog & de Meuron

How do these architects always succeed with innovative approaches, forging individuality and employing classical materials in heretofore unknown ways in their designs? Where do they find the inspiration for their unique ideas? This monograph delves a bit deeper behind the scenes and describes processes, all while highlighting one thing: plenty of construction details, reports, interviews, technical contributions and several project files.

Detail Books English // German
192 pages // € 49.90
ISBN 978-3-95553-378-6
shop.detail.de



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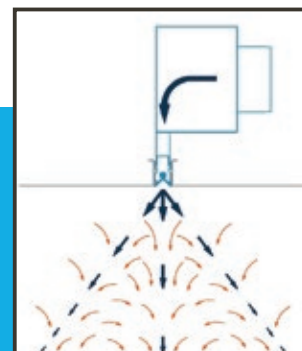
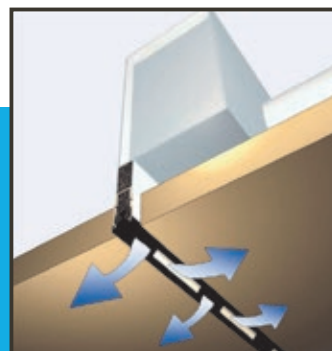
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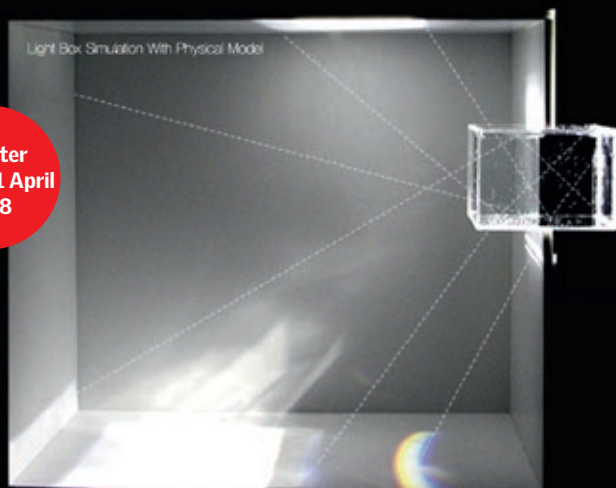
International VELUX Award 2018 for students of architecture

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The competition challenges students of architecture all over the world to work with daylight as an ever relevant source of light, life and joy. What is your project?

Register before 1 April 2018
at iva.velux.com

Register
1 Sept – 1 April
2018



Redistribution of Light by Kwang Hoon Lee, Hyuk Sung Kwon and Yu Min Park, Republic of Korea, Global winner 2016

Call for daylight projects!

Registration opens 1 September 2017	Registration closes Submission opens 1 April 2018	Submission closes Project upload 15 June 2018	Winners announcement and online exhibition October 2018
	Deadline for questions 15 April 2018	Jury meeting – evaluation of all submitted projects June 2018	

Competitions

Project Earth 2

Project Earth 2 wants to propose a different approach towards refugees and refugee camps. Rather than conceiving refugee camps as storage facilities to fulfill basic human needs and refugees as temporary inhabitants, we encourage you to zoom out and consider the refugee camps as an instrument and an opportunity to activate deserted areas of Europe. Design refugee camps as stable settlements and as a changing structure that can grow, adapt and develop.

Solutions created by participants will be delivered to organizations and NGO working on-site, aiming at implementing them.

Deadline for submissions:
30/04/2018 23:59
More information: www.projectearth2.org/citiesoftomorrow

#HERCULANEUMCALL: school of restoration for the ancient city Ercolano in Italy

The school of restoration, in close contact with the archaeological site, must be imagined as the place where to form the new generations of restorers; the students will make the nearby ancient park the place where to apply the theoretical dictates learned. The school, in addition to being an educational center and an important element of urban reactivation, will become a contemporary sign capable of understanding in the relationship with the ancient an interesting bridge between the ages.

Project area: Ercolano, Italy, Corso Resina

Surface: 640smq circa
Deadline for submissions:

15/04/2018 23:59
More information: <https://startfortalents.net/herculaneumcall-con-test-startfortalents/>

The museum of language

The aim of the competition is to design an iconic museum of language in the heart of London that will deconstruct the science of linguistics into various aspects of- speech, script and sense. The proposal must not only become an archive for the past and present world languages but also serve as a learning center that works to develop languages and future communication systems.

Architects, Architecture Graduates, Students or Engineers are eligible to participate. Interdisciplinary teams are also encouraged to enter the Competition.

Registration deadline: 01/04/2018
Deadline for submissions: 30/04/2018
More information: <http://archasm.in>

Art Prison: Call for Entries

YAC – Young Architects Competitions – and the Municipality of Favignana, in cooperation with the Italian Government, launch “Art Prison”, an architectural competition to refurbish a breathtaking fortress on a scattered island in southern Sicily. A cash prize of € 20,000 will be awarded to the winners selected by an internationally-renowned featuring Daniel Libeskind (Studio Libeskind), Manuel Aires Mateus (Aires Mateus), Felix Perasso (Snøhetta), João Luís Carrilho da Graça (Carrilho da Graça Arquitectos).

How to transform an ancient prison into a treasure chest containing works of art and the creative action of internationally renowned artists and intellectuals? How to transform an ancient fishermen isle into an open-air contemporary art museum?

This is the fascinating challenge of Art Prison.

Registration deadline: 08/04/2018
Deadline for submissions : 11/04/2018
More information : www.youngarchitectscompetitions.com

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