



global compact/

COP/**2015**/ by schmidt hammer lassen architects



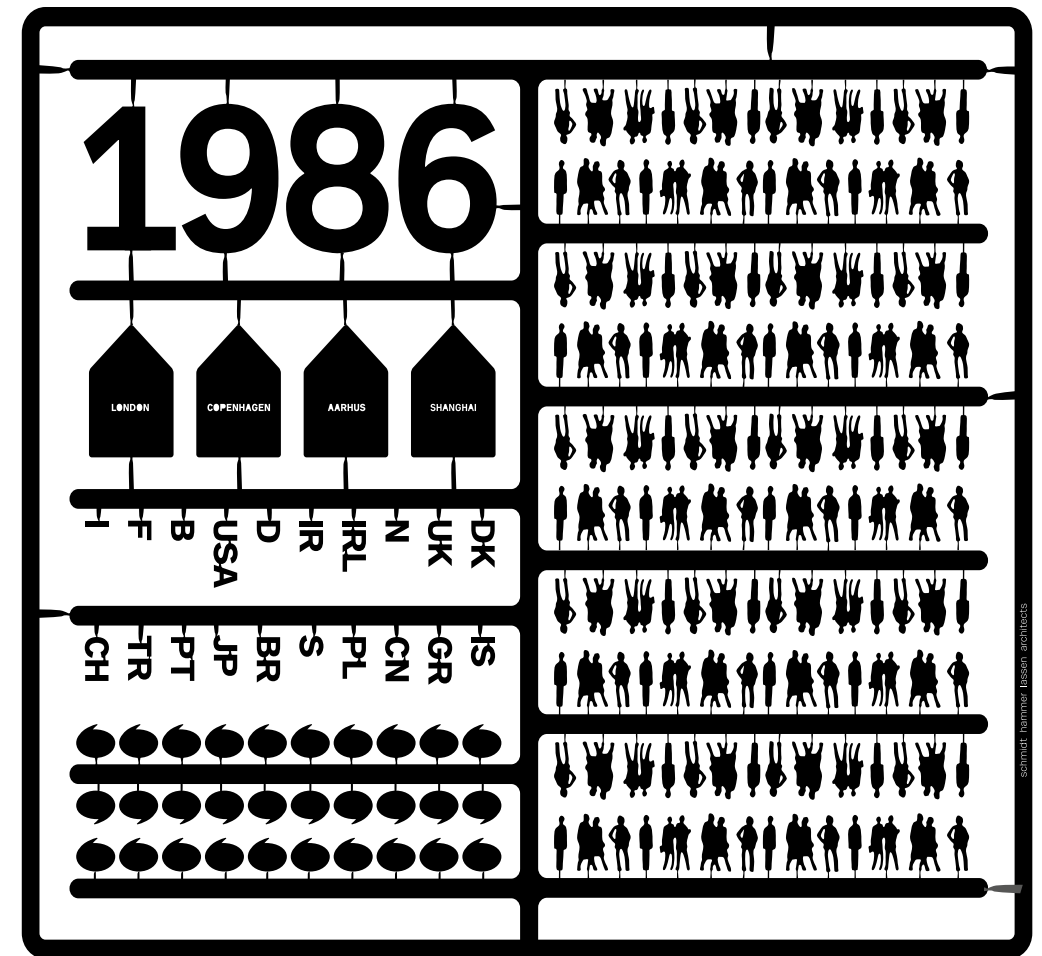


Urban Mountain/ Oslo/ Norway

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“We aspire to the highest standard in everything we do. Driven by the vocation that great architecture generates lasting and positive change, we combine intelligent solutions with exceptional experiences that appeal to senses and mind.”

schmidt hammer lassen architects /core values



About us/

schmidt hammer lassen architects is an international architecture practice and one of Scandinavia's most recognized, award-winning studios committed to innovative and sustainable design.

Working out of studios located in Aarhus, Copenhagen, London, and Shanghai, the practice provides skilled architectural services all over the world. schmidt hammer lassen architects was founded in Denmark in 1986 and the practice has since grown substantially and employs 160 staff today.

schmidt hammer lassen architects upholds a distinguished track record of architecture across a broad spectrum of building typologies and has established a reputation for devising truly sustainable solutions with high emotional value that benefit the environment, society, user, and the overall economy.

Adopting a holistic approach we believe that the basis of sustainable design is the understanding that every component influences the project. We continuously challenge the concept of architecture by adding innovative methodology and technology to classic Scandinavian design traditions. The result of this approach is manifested in our wide-ranging architecture portfolio of more than 28 years of successful projects.

schmidt hammer lassen architects has supported the UN Global Compact initiative since 2008 and submits COP #6 in December 2015.

The COP will be available on Global Compact's website and on our website: www.shl.dk



The group of partners includes senior partners Morten Schmidt, Bjarne Hammer, John F. Lassen, Kim Holst Jensen and Kristian Lars Ahlmark, along with partners Chris Hardie and Rong Lu. Day-to-day management of the practice is the responsibility of CEO Bente Damgaard.

Statement of support/

schmidt hammer lassen architects maintains a strong and ambitious focus on CSR initiatives. We provide excellent sustainable architectural services with the overall goal to optimize existing standards for modern buildings and design all over the world - for the benefit of society, people, environment, and the overall economy. The architectural field in a wide sense is identified as our primary sphere of influence.

In all phases of our work, from acquisition, analysis, design phase, main project as well as construction management we pursue to perform with excellence. New knowledge is essential and our studio continually invests time and resources in expanding our expertise, competencies and knowledge.

We believe that the world more than ever needs new architectural solutions to drive positive change. That is why we engage in innovative research projects, establish collaborative partnerships with both industry and higher education institutions, and offer targeted internal continuing education. We have procedures in place to ensure that new knowledge and best practice is integrated in each project.

In COP 2015 we take the opportunity to report on CSR initiatives and achievements through selected architectural projects. We describe how the holistic sustainability approach and integration of Building Information Modelling in project management delivers a high level of impact, from the earliest stage of development till a building is taken into use.

We also address the internal focus on Human Resource management, and how we deal with the challenges of increasing global activities.

schmidt hammer lassen architects has supported the Global Compact initiative since 2008 and the Principles continuously constitute an important and essential policy frame of our CSR approach. Additionally we have signed the Nordic Built Charter as well as The Charter of the Danish Association for Responsible Construction.

I hereby state that we continuously support the UN initiative Global Compact and uphold the ten UN principles concerning; human rights, labour standards, environment, and anti-corruption.

Bente Damgaard
CEO at schmidt hammer lassen architects
December 2015



BENTE DAMGAARD/
MSc in Accounting & State Authorized Public Accountant/
CEO of schmidt hammer lassen architects since 2006.

Member of the Board of directors/ Chairwoman of the board, Indigo Consortium/
Member of the board, Business Aarhus/ Member of the board, Falcon Invest A/S/
Member of the board, Falcon Management A/S

Honorary Offices/ Chairwoman of VL 103 Danish Business Network/

The UN Global Compact/

schmidt hammer lassen architects joined the United Nations' Global Compact initiative in 2008. Global Compact is the world's largest voluntary CSR initiative and initiates and supports corporate operational and strategic focus on social responsibility. This important initiative was started in 2000 under the leadership of then Secretary General Kofi Annan.

The overall goal is to actively commit companies to work to improve the major social, economic and environmental challenges that follow globalization. Global Compact has today grown to be an extensive international network of more than 12,000 signatories from over 170 countries.

Global Compact's ten fundamental principles constitute the core of the stated objectives and cover four key focus areas: human rights, labour rights, environment, and anti-corruption. schmidt hammer lassen architects continuously supports the Global Compact and the targeted focus areas.

10 guiding principles/

Human Rights

Principle 1: Businesses should support and respect the protection of internationally proclaimed human rights; and
Principle 2: businesses should make sure that they are not complicit in human rights abuses.

Labour Standards

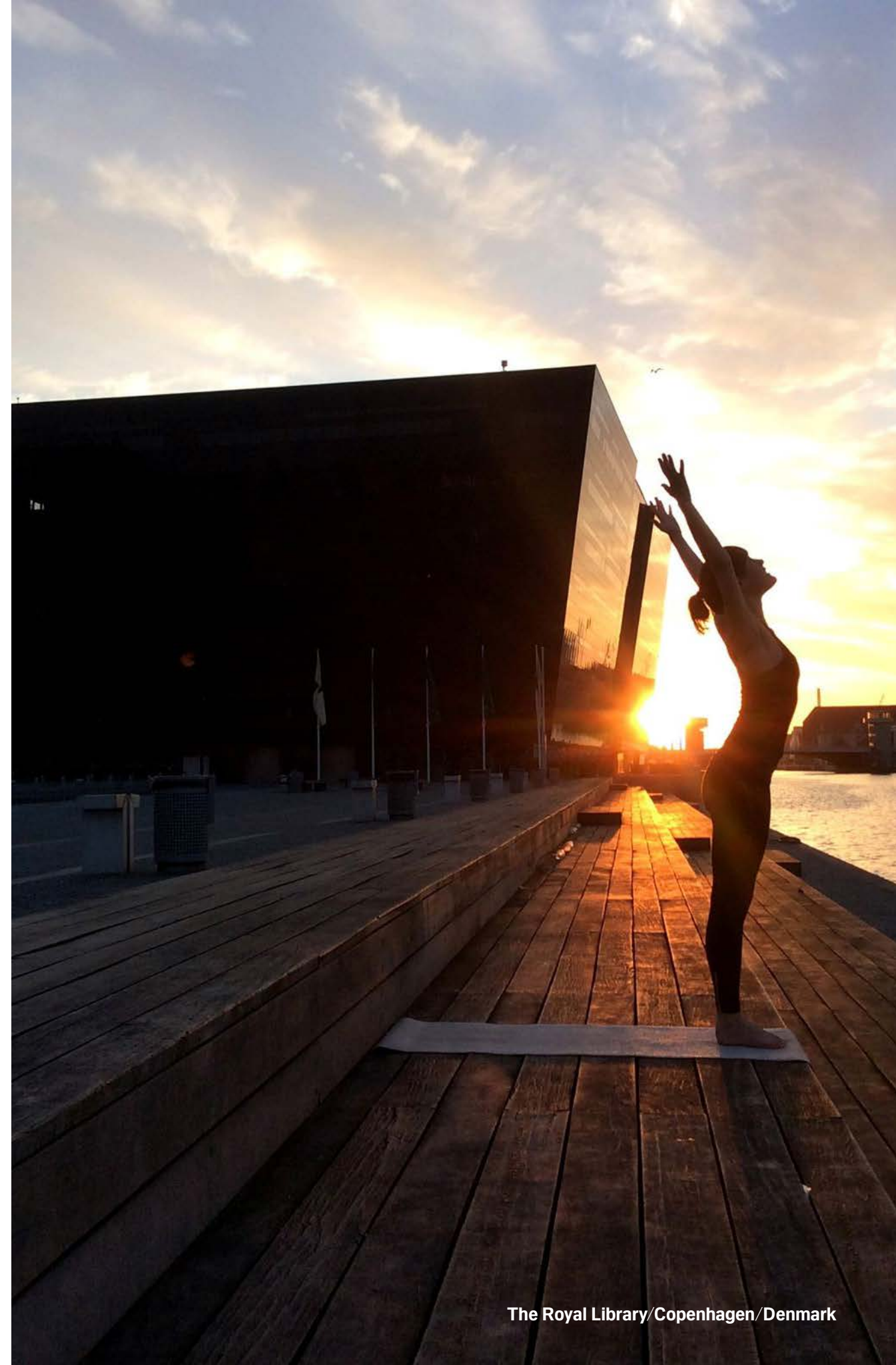
Principle 3: Businesses should uphold the freedom of association and the effective recognition of the right to collective bargaining;
Principle 4: the elimination of all forms of forced and compulsory labour;
Principle 5: the effective abolition of child labour;
Principle 6: the elimination of discrimination in respect of employment and occupation.

Environment

Principle 7: Businesses should support a precautionary approach to environmental challenges;
Principle 8: undertake initiatives to promote greater environmental responsibility, and;
Principle 9: encourage the development and diffusion of environmentally friendly technologies.

Anti-Corruption

Principle 10: Businesses should work against corruption in all its forms, including extortion and bribery.



We support/

schmidt hammer lassen architects supports the United Nations' Universal Declaration on Human Rights and the United Nations' Millennium Development Goals. We work in compliance with Danish legislation which meets international conventions on human rights.

New charter supports CSR in the construction sector

schmidt hammer lassen architects joined the Danish Association for Responsible Construction in 2014. The objective of the association is to develop and promote social responsibility in the Danish property and construction sector based on a charter of six principles.

1. We systematically assess whether we are observing the principles of the Charter in the projects in which we are involved
2. We assess how collaboration partners and suppliers manage social responsibility
3. We establish dialogue with collaboration partners and stakeholders
4. We work for sustainable solutions
5. We have sound employment and working conditions
6. We demonstrate independence and anti-corruption practices

By signing the charter schmidt hammer lassen architects declares our support to the six principles. We believe that cross-disciplinary collaboration will only contribute to strengthen social responsibility within the building sector and will support and inspire good practice.

End Poverty 2015 Campaign

schmidt hammer lassen architects annually participates as business partner in the Danish NGO campaign The World's Best News which is part of

the Danish contribution to of the UN initiative End Poverty 2015 Campaign (supporting The United Nations Millennium Development Goals).

The official campaign day is marked at all SHL offices. As business partner we contribute by spreading the positive news both inside and outside the organization telling that the effort and support is making profound changes in the developing countries.

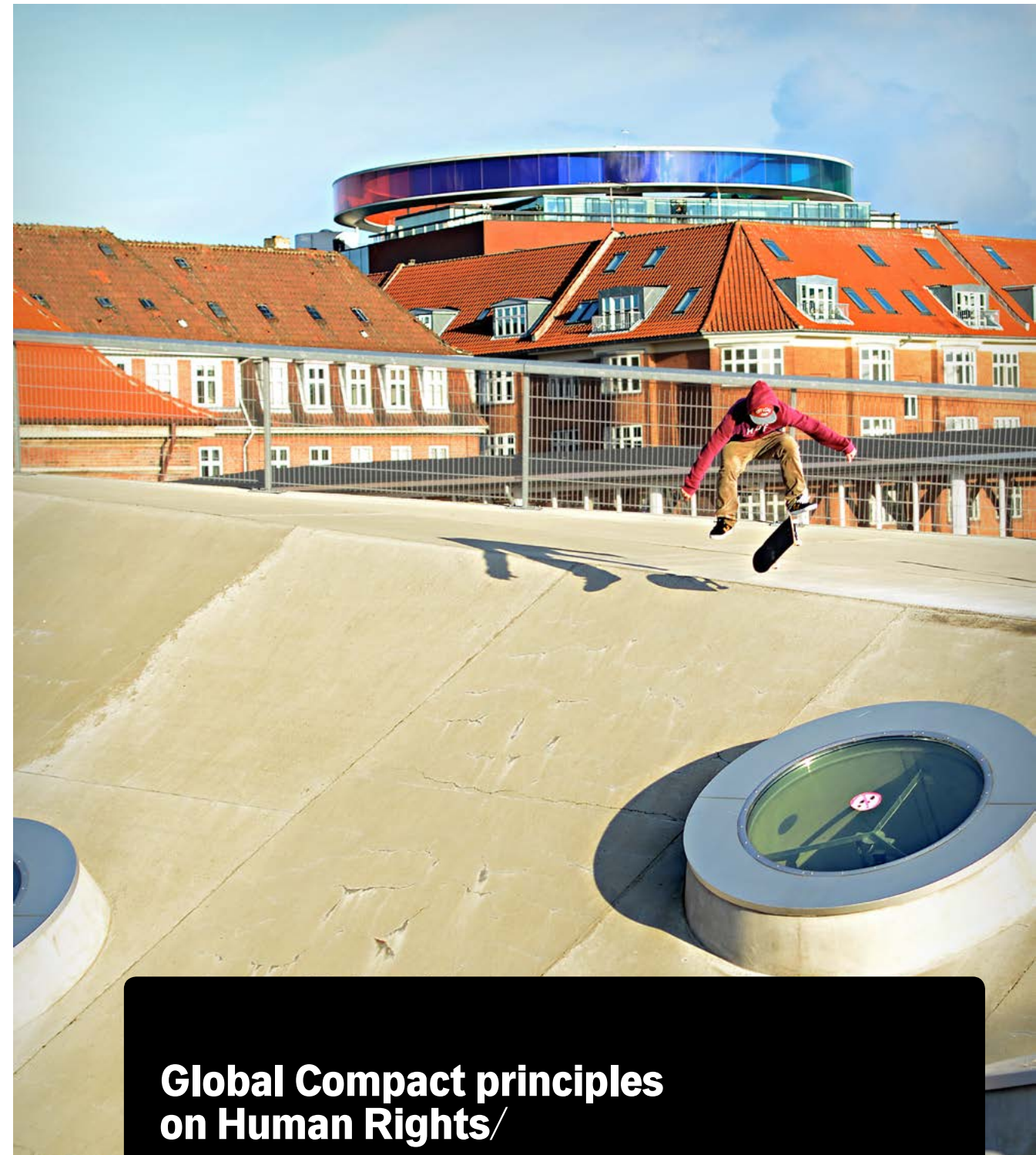
Danida and the Ministry of Foreign Affairs of Denmark financially support the Danish campaign, and the event is a unique collaboration between the UN, DANIDA, more than 100 Danish NGOs and 100 private sector companies.

Please find more information on the Campaign website: <http://verdensbedstenyheder.dk/>

The Red Cross collection 2015

schmidt hammer lassen architects annually supports Red Cross' campaigns internally by collecting clothes at our offices.

Red Cross transforms recycled clothes for money, which they use to relief aid and social work. The clothes is sorted, and everything is recycled, either as clothing or textile fibers.



Global Compact principles on Human Rights/

Principle 1/ Businesses should support and respect the protection of internationally proclaimed human rights; and **Principle 2/** businesses should make sure that they are not complicit in human rights abuses.

Human Resource management/



Global Compact principles on Labour Standards/

Principle 3/ Businesses should uphold the freedom of association and the effective recognition of the right to collective bargaining.

Principle 4/ the elimination of all forms of forced and compulsory labour.

Principle 5/ the effective abolition of child labour.

Principle 6/ the elimination of discrimination in respect of employment and occupation.



Human Resource management/

Labour rights/

schmidt hammer lassen architects are exclusively dependent on staff members' performance to continue the success of creating and delivering modern, holistic and sustainable architectural solutions for a diverse and international group of private and public clients. Attracting, retaining, developing, and ensuring the health and safety of the staff members is therefore important to the organizational development and a top priority in the strategic management teams' ongoing efforts to realize the visions of schmidt hammer lassen.

The Scandinavian countries are by definition attending to secure labour rights and conditions of any staff members through collective agreements and state imposed regulations concerning employee safeguarding. Additionally, schmidt hammer lassen architects engages in several specifically selected and designed activities to uphold these rights, extend them and continuously improve conditions

for all staff members.

In Denmark a collective agreement is in place and applicable to the majority of the organisation's staff members. Colleagues in London, Shanghai and minor project offices are not covered by the Danish collective agreement, but the organization has made significant efforts to create conditions comparable to the rights and benefits included in the Danish collective agreement. National rules and regulations in force on the non-Danish office sites are followed with rigor.

In the section below, we outline the basic rules and regulations of the collective agreement pertinent to safeguarding labour rights and we include additional activities designed by the organisation to stimulate a positive working environment where work life and family life is well balanced.

The Danish Labour Law and Collective Agreement for architects in Denmark provides the following

benefits to safeguard employee interests.

1. Fixed salary tiers regulated according to seniority + individually salary negotiations
2. Pension scheme
3. Working hours regulation and overtime compensation
4. Favourable maternity and paternity leave
5. Holiday regulations (31 days per annum)
6. Continuing Professional Development (CPD) funding and shared learning activities
7. Employee representation on several organisational boards (Health & Safety committee, Collaboration Committee and Continuing Professional Development Committee)
8. Free union representative elections without management intervention

Additionally, the organisation has chosen to offer extra health care insurances for almost all staff members.

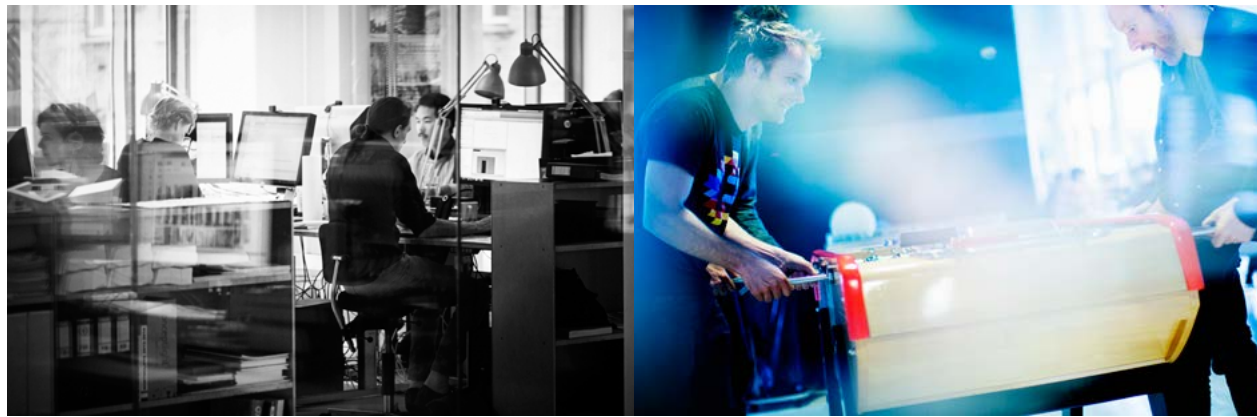
Health & safety/

The health and safety of all staff members is highly valued by the organisation. Hence, dedicated committees are in place and the strategic management participates actively and cooperatively.

The Health & Safety Committee prevents any form of counterproductive physical and non-physical working conditions, including the prevention of any labour related accident.

The Collaboration Committee ensures a positive working environment and engage in dialogue with union representative about organisational development and adjustment to foster employee commitment and retention.

The Continuing Education Committee organises and administers the organisation's strategic engagements in relation to staff member training and professional development.



Work environment and individual development/

We communicate on general work conditions, benefits, rules and regulations in the SHL Staff Handbook that is handed out when we welcome a new colleague alongside a planned on-board program.

A mandatory and planned Employee Development Dialogue / EDD are conducted annually for all staff members together with their manager. This comprehensive sessions are focusing on motivation, work satisfaction, continuing professional development and career development. The EDD results in Individual Development Plan / IDP for each employee made in collaboration between the manager and the employee. Additionally, there is an annual salary negotiation for every employee. Besides a free negotiating, there is also planned time to do a follow-up on the IDP plan.

At all locations schmidt hammer lassen architects encourages the employees to participate in a wide range of social and professional development activities. The company loves to celebrate competitions that we have won, significant birthdays and anniversaries with an informal gathering at lunch or Friday afternoon. The Give inspiration Calendar monthly presents various activities to ensure a good social life, knowledge sharing and continuing professional development, and studytrips.

To ensure assisted learning activities and ongoing professional and personal development for all employees the Continuing Professional Development Committee frames a one-year CPD plan for

the majority of the assisted learning activities, and are open for everyone. The last couple of years the focus of the plan has been sustainability, BIM, Project management and management training. The CPD plan is supplemented by the many different individual external learning activities also funded by company means.

Measurement/

To monitor organisational development on 'hard' aspects (physical working conditions) and 'soft' issues (non-physical working environment), the organisation administers a detailed employee survey once every three years. Next survey will be conducted in 2016.

Non-discrimination/

At schmidt hammer lassen architects the employees are the most valuable resource. We believe that diversity creates an innovative work environment with world class architecture as a result. The staff of employees today counts 20 different nationalities and a distribution of sex of 45 % women and 55%. We always focus on competencies and skills at any recruitment and internal promotion within the organization.

Responsible behaviour/

At schmidt hammer lassen architect responsible behavior is integrated not only in our professional work but also in everyday work life. Standards are thoroughly described in the SHL Staff Handbook. We have formed a Green Studio Policy that describes standards in all offices.



A sustainable agenda/

“We do not see sustainability as obstacle to achieve a high level of aesthetics in architecture. Instead we acknowledge increased social, economical and environmental requirements as important driving elements in the creative development of our projects.”

Per Anhøj Kruse, Sustainability Manager at schmidt hammer lassen architects



Certified green knowledge/

At schmidt hammer lassen architects the architectural staff counts in-house experts in the most important building certification systems, BREEAM International Assessors, LEED Accredited Professionals, DGNB International and DGNB Denmark Consultants and Cradle to Cradle trained professionals, offering certification processes and benchmarking for our clients projects.

Certification systems and expertise enable us to evaluate the sustainability and “green performance” of a building and give a profound understanding of the interaction of the different sustainable parameters. The results and evaluations are used to seek for optimized green solutions during the design process and better building performances.

Research and knowledge sharing is fundamental in our practice and in the CPD strategy of the studio. The CPD strategy thus defines some clear goals and activities, and aids to raise the common level and understanding of holistic sustainability throughout all of SHL, in a way that is extremely visible both internally and externally.

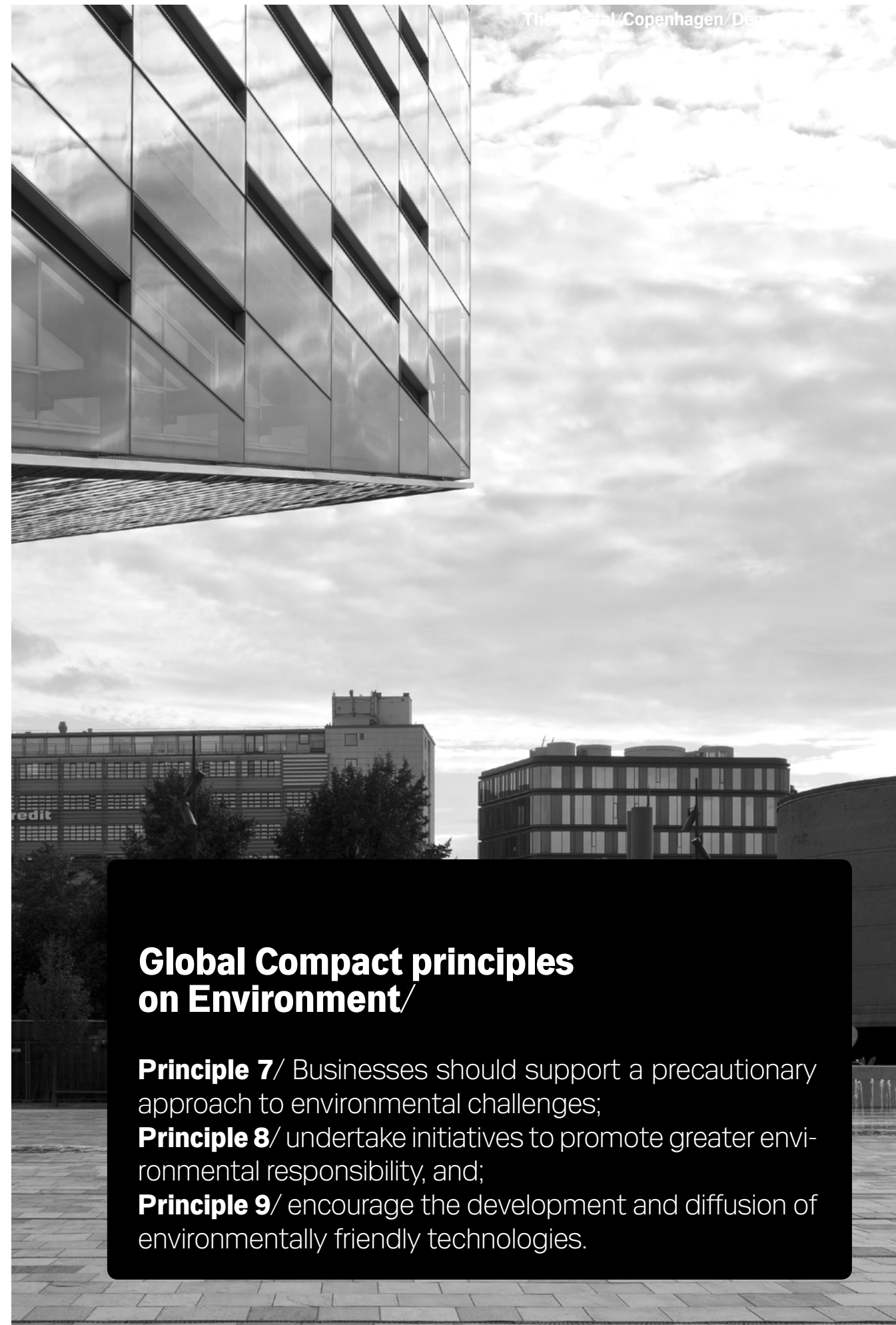
The holistic approach to sustainability is implemented in numerous activities; lectures (Give Motivation

and Give Inspiration), courses (Give Knowledge) and best practice examples (Give Experience). An important knowledge sharing platform is the schmidt hammer lassen architects GREENgroup where passionate employees exchange cutting edge knowledge of highly sustainable projects and green ideas. Regular meetings in this forum are open and accessible for all employees. The specialized staff members of our studio often provide public lectures and communicate on our experienced work with innovative implementation.

schmidt hammer lassen architects also involves in different initiatives to promote sustainability in our field. As an active player, we participated in an expert group for materials in the adaption process of the new Danish building certification system DGNB-DK to Danish standards.

We participate in network initiatives with the focus on implementation of green solutions, like the Cradle to Cradle Community Denmark and the sustainability network Green Network Aarhus.

schmidt hammer lassen architects is member of Danish Green Building Council and we are listed in the BREEAM GREEN book



Global Compact principles on Environment/

Principle 7/ Businesses should support a precautionary approach to environmental challenges;

Principle 8/ undertake initiatives to promote greater environmental responsibility, and;

Principle 9/ encourage the development and diffusion of environmentally friendly technologies.



Above all, sustainability is about responding to the basic needs of a client, which can be an individual, a commercial enterprise, a school or an entire community. In the final analysis, sustainability is about delivering design that functions successfully as a catalyst for positive change. In other words, we are talking about successful place-making: when it works, sustainable design can engender a sense of civic pride, a sense of identity. This is an extraordinary challenge for architects – it is at the very heart of what we do.

The Green Manifesto

Quality Assurance/

schmidt hammer lassen architects has wide-ranging experience in high-level quality management to meet both client demands and regulatory requirements from the very beginning of a project until final handover.

Working internationally the applied Quality Assurance standards need to be applicable to the multitude of projects that we work on all over the world as well as support the unique architectural quality.

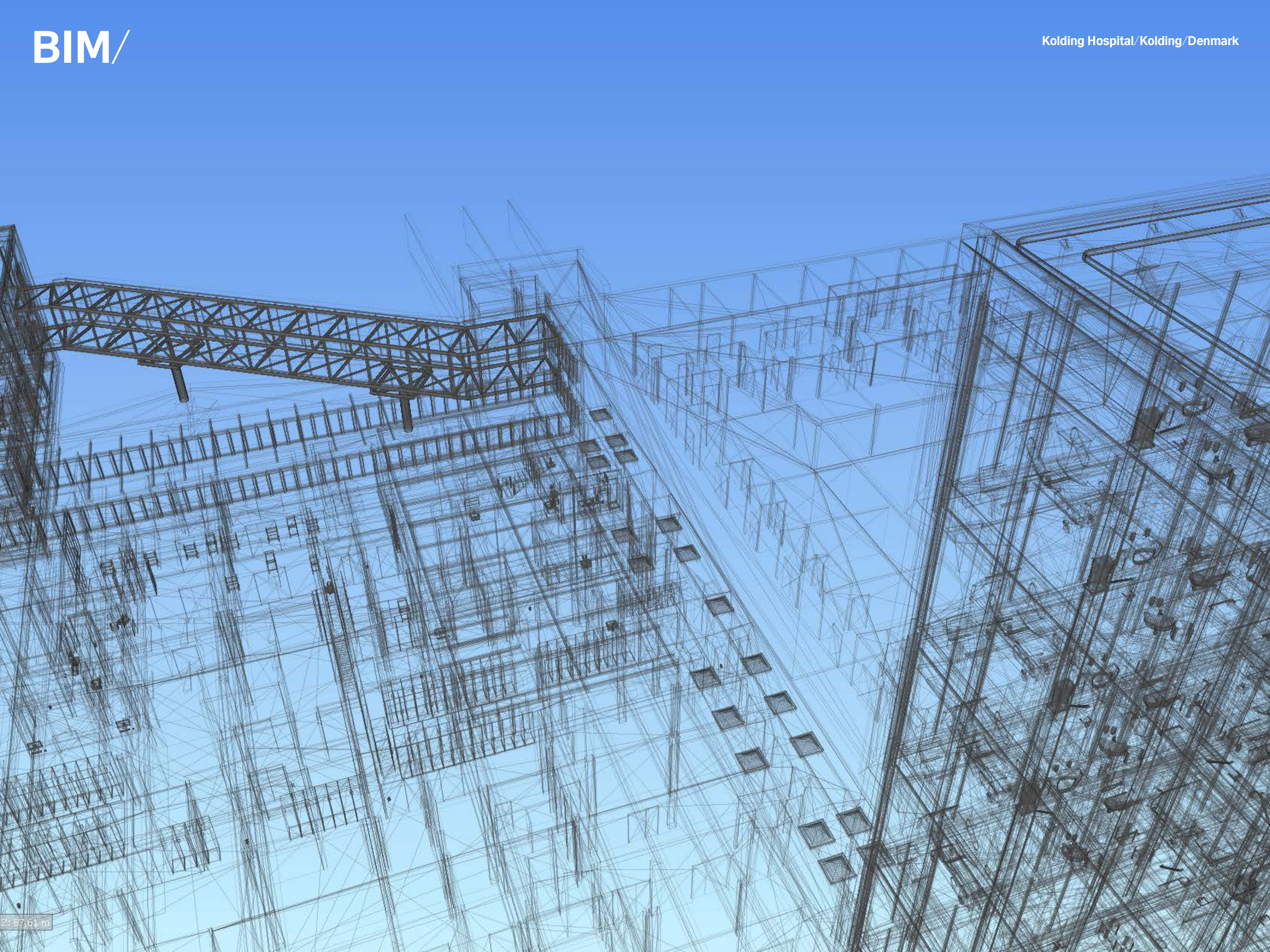
The quality assurance policy is described in detail in the SHL Quality Assurance Manual of schmidt hammer lassen and it has been prepared according

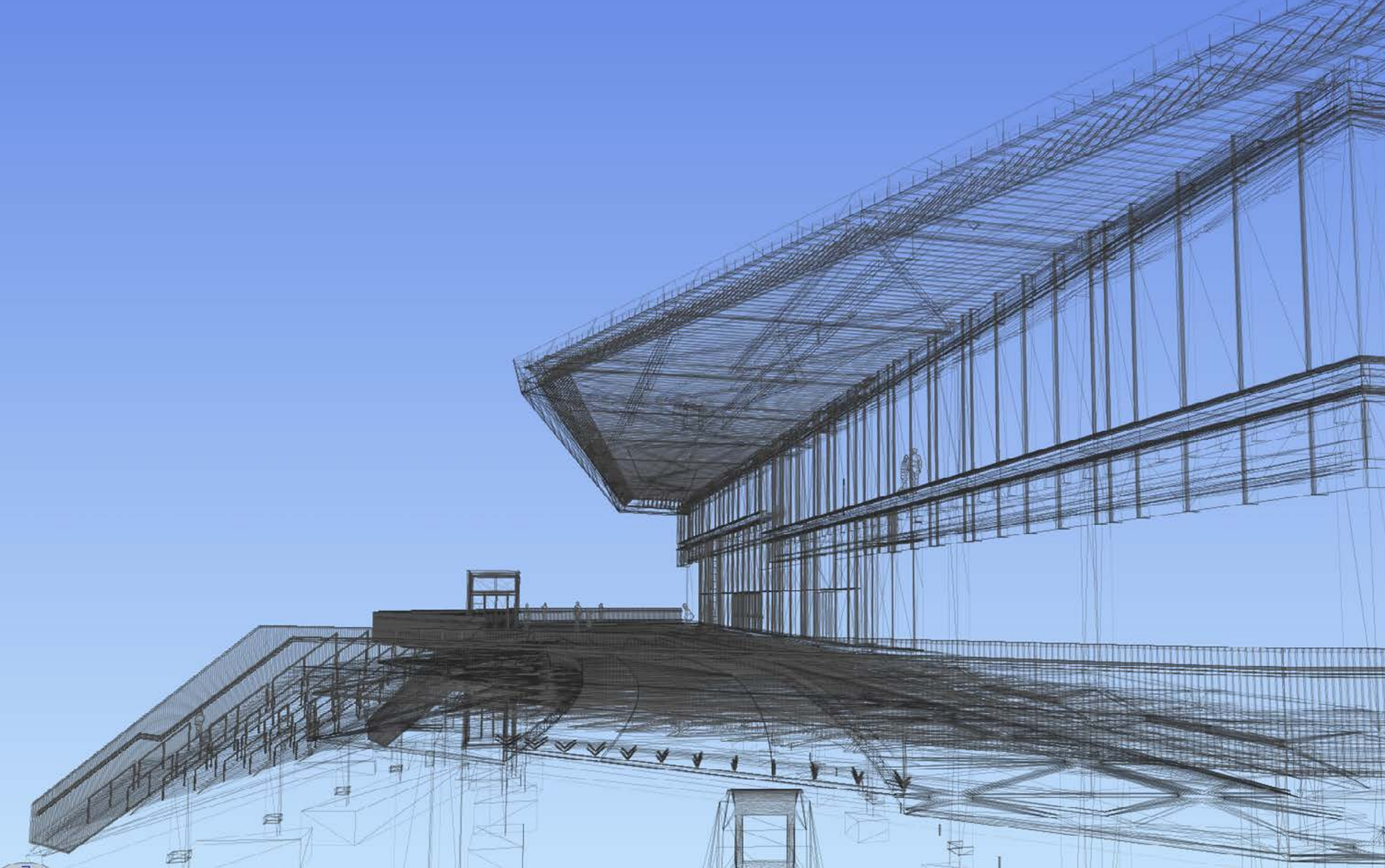
to the following guidelines and standards:

- Quality Control in Architectural Practices published by The Danish Association of Architectural Firms
- The DS/ISO 9001 standard
- ACT no. 773 of 27/06/2011 on quality of construction, general construction, etc. and conversions under the act on urban renewal and urban development

The SHL Quality Assurance Handbook is a process tool that includes planning, implementation and quality control and the handbook is verified and updated on an ongoing basis.







Building Information Modelling/

Sustainability and BIM goes hand in hand. The use of Building Information Modelling / BIM is today standard of all projects at schmidt hammer lassen architects and we continuously research and find new ways to implement the BIM technology as part of our design process.

Additional standard is also the use of environmental analysis and simulation tools to improve the sustainability profile of the projects with specific focus on the design process. This is accomplished

by using software tools such as Ecotect and Vasari.

When environmental analysis and simulation tools are used from the earliest stages of design, projects can be designed to benefit from local environmental conditions such as site orientation, solar access and seasonal winds as well as the materials used to construct them. For the client, coming user and the community this means a more sustainable, enduring and energy efficient building.



Building new knowledge/

Successful integration of new methods and technologies requires an extensive level of knowledge sharing. Therefore the BIM management group attends various BIM Networks, BIM standard organisations and conferences, and is often invited to lecture at conferences and educational institutions. These activities are essential in order to build and share new knowledge – internally as well as externally.

schmidt hammer lassen architects has been involved in starting and establishing BIM Aarhus which is an active professional network for all participants in the construction industry and is the largest BIM network in Denmark. Conferences and Meetings are held on a regular basis to discuss relevant BIM issues. schmidt hammer lassen architects is also actively setting up a similar network in the Copenhagen area.

More information at www.bimaarhus.dk

Likewise schmidt hammer lassen architects has been involved in establishing the innovation BIM network, BIM7AA, who researchs and develops new optimizing BIM working methods, among others a type code for structuring the BIM model. The network publish all results on the BIM7aa website to share knowledges, and is available in both Danish and English.

More information at www.bim7aa.dk

The integration of BIM also has impact on contractual matters and schmidt hammer lassen architects is active in the the Danish Association of Architectural Firms' taksforce; Digital models. Likewise schmidt hammer lassen architects is member of the Bips Management forum, where new BIM Standards is developed.

BIM is also one of the key cornerstones in the internal strategic continuing education plan. Additional BIM has its own internal taskforce and a separate internal budget as schmidt hammer lassen architects acknowledges that being a first mover on this field requires constant research, a large professional network and education. Running evaluations of the BIM projects is part of these knowledge sharing initiatives.

Global Compact principles on Anti-Corruption/

Principle 10/ Businesses should work against corruption in all its forms, including extortion and bribery.

Business ethics/

of schmidt hammer lassen architects

The independent international NGO Transparency International was founded in 1993 and is now present in more than 100 countries. The organization annually publishes reports on corruption – and for many years Denmark has been placed as one of the world's least corrupt countries. The result underlines the very high standards of Danish companies.

We hold a reputation as a responsible and conscientious business partner and dissociate from corruption, extortion, and bribery in any form. The studio has never been involved in corruption or bribery and the company has worked out policy guidelines which are carefully described in the schmidt hammer lassen architects staff handbook that are handed out to all employees on their first day at work. In this we state that:

„Our business ethics are grounded on trustworthiness, honesty and transparency. Accordingly, employees at all levels must avoid letting financial and/or personal interests influence – or arouse suspicion of influencing – their work-related decisions or conflicting with the interests and ethics of the organisation. Moreover, we expect all employees to act in accordance with applicable legislation.“

We support the UN Convention against Corruption and the UK Bribery Act.

Selected sustainable projects/

by schmidt hammer lassen architects



**Sir Duncan Rice Library/Aberdeen/Scotland/
BREEAM excellent.**



**Halifax Central Library/Halifax/Canada/Aiming for
LEED Gold.**



**Office Building Buddinge/Copenhagen/Denmark/
DGNB Silver.**



**Amazon Court Building/Prague/the Czech Republic/
DGNB Gold.**



**Dokk1/Aarhus/Denmark/ Meets Danish class 2015
low energy requirements.**



**Green Valley/Shanghai/China/Office facilities with a high
level of flexibility and low operating costs.**



**The Crystal/Copenhagen/Denmark/Energy-
consumption at 25 percent less than the existing
energy legislation.**



**Groendalsvej/Aarhus/Denmark/First zero-energy
office building in Denmark.**



**Urban Mountain/Oslo/Norway/Refurbishment project
employing Cradle to Cradle principles and targeting a
BREEAM Outstanding certification.**

In 2015 Nordic Innovation published the book “30 Sustainable Nordic buildings” featuring best practice examples based on the Nordic Built charter principles. schmidt hammer lassen’s highrise winning project in downtown Oslo, the Urban Mountain, will become another icon of the Norwegian capital and sets new standards for sustainability.



Urban Mountain/Oslo/Norway

The Nordic Built Charter/

schmidt hammer lassen architects has signed the Nordic Built Charter; committed to accelerate the development of sustainable building concepts initiated by the Nordic ministers for trade and industry. The Nordic Built Charter is a public declaration of the values, intentions and ambitions of a united Nordic building sector. It describes a holistic approach to the built environment – taking energy, climate, economy and people into account.

The intention is that relevant actors from across Nordic borders and across the entire value chain of the building sector will commit to its ten principles. In short, The Nordic Built Charter gives the building sector a platform for cooperation and provides a common set of fundamentally Nordic and sustainable values, promoting a balanced and integrated societal development based on environmental, economic and social sustainability.

The Nordic Built programme combines key Nordic strengths, provides attractive and effective arenas for collaboration and realizes concrete projects that demonstrate world-class scalable solutions.

In 2012 the Nordic Built Challenge – a high profiled international architectural competition - was organized by Nordic Innovation. The ambition were to create five lighthouse projects for the Nordic region, one in each country, demonstrating the solu-

tions for sustainable refurbishment of the existing building stock, which the Nordic building industry is able to deliver.

With the Urban Mountain refurbishment project schmidt hammer lassen architects and team won 1st prize for the innovative and sustainable new landmark for the city of Oslo.

More information: www.nordicinnovation.org/nordicbuilt/the-challenge/

Urban Mountain/Oslo/Norway/ Transcending conventions/

“An important part of this project is to allow the sustainable measures to be visible to the users and the city, hereby raising awareness of how the building works.

John Folbjerg Lassen, Founding Partner at schmidt hammer lassen architects





Urban Mountain/ Oslo/Norway/

Design team/schmidt hammer lassen architects/LOOP Architects/COWI Denmark/COWI Norway/Transsolar Energietechnik GmbH/Vugge til Vugge Denmark **Client**/Entra Eiendom AS **Area**/Existing: 50,875 m², Extension: 28,375 m² **Competition**/2013, 1st prize in open international competition

When the refurbishment is complete the building will reach a total size of 79,000 square metres and will be a sustainable landmark for the city of Oslo. The building will be the tallest in Norway and the first high-rise building in Norway to enjoy natural ventilation. The Urban Mountain will be an outstanding example on green architecture - an international lighthouse presenting innovative solutions on energy design, indoor climate, resource management and biodiversity. The strategy and concepts for the competition answers in Urban Mountain a broad range of environmental goals:

- Optimizing the building to become an environmental landmark with significant reduction in carbon emission through a good passive design scheme and introducing innovative technologies in the façade and new construction.
- Pursuing at least four Cradle2Cradle elements to be implemented and continuously developed for achieving highest level of positive impact to the users and surroundings.

- Boosting the lower levels with a dynamic flow of people and finance. Public access to a green mall, restaurants and view terraces. Conference center at an intermediate level with large multifunctional auditoriums and spacious meeting facilities, catered by restaurant kitchens.
- Establishing a new infrastructure with centrally placed entrance points on more levels connecting to street level, central station, metro and future bus terminal on top of railway tracks.
- Expanding floor area to increase office spaces on all upper levels serviced by existing and new high-efficiency elevators for flexible distribution on each floor level. Combined with a super user-orientated and highly efficient and flexible working environment to accommodate tenants needs and future expected changes in how we meet and work in offices.
- Introducing the quality of local nature in a vertical movement climbing from street level to the top of the building through a series of 'green lungs'.

An active element in cleaning the outdoor air pollution, humidifying and enhancing air quality inside the building taken in by natural ventilation.

Cradle2Cradle/

Based on principles from Cradle2Cradle thinking, as much as 90% of the demolished existing materials are being recycled into new and upgraded building materials; 80% directly used in the new refurbished building.

As an example, all the façade elements from the existing building are being re-used in the new façade design. Furthermore, the design concept operates with measurable Cradle2Cradle goals in areas of flexibility, biodiversity and recycling of water, heat and organic waste.

The 'green lungs' are an innovative part of the natural air intake in the building. With the use of regionally found plants, the 'green lungs' contribute to enhance biodiversity locally and to create a better and healthier indoor climate. The green plants clean, humidify and reduce the CO₂-concentration of the

incoming air for the comfort of the staff and visitors. Solar chimneys run from the bottom to the top of the building. A greenhouse on the rooftop captures and reuses the excess heat of the building and the solar heat gain of the solar chimneys. The result is a recognizable building design – a sustainable landmark in the urban setting of the Oslo skyline.

Another example of visible sustainable solutions in the building is the innovative ice storage, which can be viewed through a large window by people going to and from the metro station. The more than 1000 cubic metres ice storage is used as a heat source in an adapted heat pump design and as a source of direct cooling during the summer.

To integrate the office building into the local community at street level, public access is given through an Urban Green Mall, selling healthy quality food and locally produced products. Here, people will meet and interact in the large atria, on terraces, in cafés and restaurants.

Nordic Built Charter/

Principles adapted in
the Urban Mountain project



01/Is made for people and promotes quality of life/

UM supports the desire to a healthy life and attitude. Will have an outstanding indoor climate throughout the year, and ensure good daylight in all of the building. Through the choice of materials with no toxic off gassing we will ensure a safe, healthy and effectful working environment.

02/Pushes the limits of sustainable performance, as a result of our innovative mindset and high level of knowledge/

UM will be a precedence example of innovative building solutions and used as reference project in at least two Ph.D. studies on sustainability

03/Merges urban living with the qualities of nature/

UM is an urban ecosystem; cleaning the city air pollution, absorbing CO₂, generating O₂. Introducing outdoor and indoor 'landscapes' and green elements in a local context enhance the biodiversity and well-being for both human and nature.

04/Achieves zero emissions over its lifecycle/

UM reduces the net energy consumption by 59 % compared to existing building (pr. m²). By mixing and controlling the different energy sources, storages and equipment our flexible solution will ensure the lowest possible CO₂-emission according to changing needs (seasonal and behavior). Furthermore the carbon footprints of materials are minimized.

05/Is functional, smart and aesthetically appealing, building on the best of the Nordic design tradition/

UM even though we use the most advanced technology and building design, it will appear simple and user-friendly. Flexible and timeless solutions in choice of materials and methods. High quality assurance by prefabrication in a controlled building environment.

06/Is robust, durable, flexible and timeless – built to last/

UM in every aspect thought to be 'designed for disassembly' and easy access to building com-

ponents for replacement to ensure continuous improvement in performance. This building is not static, but celebrates upgrading to highest quality standards whenever feasible, thus maintaining the value over time.

07/Utilises local resources and is adapted to local conditions/

UM the building is heavily inspired by the local sound-ing environment. UM ensures at present reuse of 90 % of demolished materials from existing structure to the building industry. 80 % of all demolished materials are reused in UM's new structure or interior fitting. Optimal goal is zero waste!

08/Is produced and maintained through partnerships founded on transparent collaboration across borders and disciplines/

UM sets new standards in cross-disciplinary interaction between highly specialized competences, combined with an ambitious building owner/ operator and the Nordic Innovation platform. The integration of detailed design and technical, sustainable solu-

tions through IDP/IED ensures effective collaboration throughout the whole value chain.

09/Employs in concepts that are scalable and used globally/

UM A whole range of the solutions can be used directly in other building projects around the world. Urban Mountain is already in this early stage an attraction for global and locally founded companies as a test ground for new technology and ways of working (take-back systems, leasing and service packs). The size and ambition level of UM is groundbreaking for new business development at a global scale.

10/Profits people, business and the environment/

UM is developed on a new mindset of a 'value-triangle' in which all future business models must find balance between social equity (people), economy (business) and ecology (environment).

International Criminal Court/The Hague/Netherlands

A landmark for justice and peace/



”In our design we are aware of how important it is for this building to express the values of the ICC: To the victims, to their families and to the world, the ICC premises must communicate respect, trust and hope.”

Bjarne Hammer, Founding Partner at schmidt hammer lassen architects

International Criminal Court/ The Hague/Netherlands

In 2010, schmidt hammer lassen architects won the prestigious architectural design competition for the new permanent premises of the ICC with an experienced interdisciplinary team of consultants. The design was selected for its understanding of the concept of transparency. The design also shows how democratic values upon which the Danish tradition for architecture rests, reflect in an international institution that is subject to some of the strictest security requirements in the world.

Safety and openness

In the design approach it has been paramount that the security measures, as much as possible, are an integrated part of the design. The public has easy and open access to the main entrance and the design of the landscape surrounding the building achieves a highly secure environment without the appearance of barbwire and high fences.

The landscape

The new ICC headquarters is located between the edge of the Hague city and the Meijendel Dune

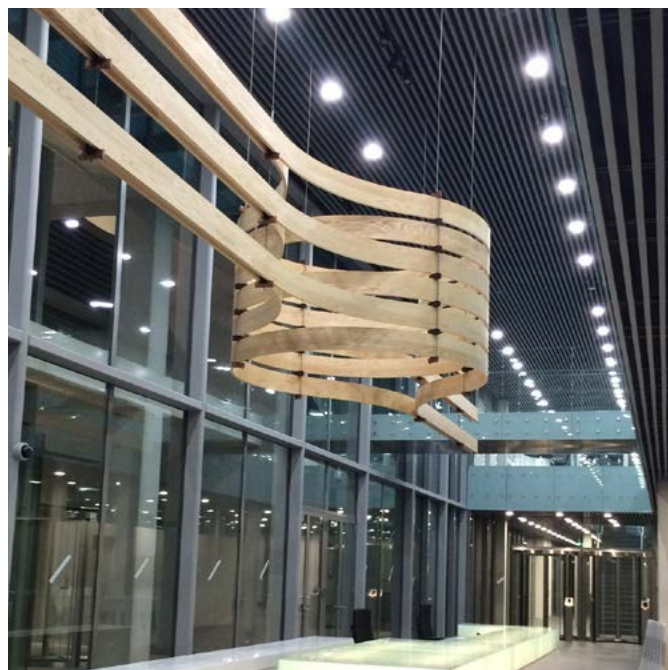
Landscape, which is a protected Natura 2000 area. One of the primary and most important aims of landscape architects SLA's concept is to 'reunite' the site with this dune landscape. The primary idea has been to locate the complex as a cut in the landscape, establishing an interior that relates to the international collectivity of the ICC, and an exterior that entrenches the ICC to the local Dutch landscape and opens it to the public.

Sustainability

The new headquarters for the ICC is targeting a BREEAM Excellent certification. The complex is part of the local water-win area. Therefore strict local regulations applied for materials, their possible leaching and work during the construction period. Several environmental sustainability measurements have been implemented into the design such as: a heat- and cold storage, which is the largest of its kind in the Netherlands, green roofs, water-saving taps and toilets, automatic daylight control of luminaires for all lighting in offices and biological cleaning of the mirror pond.



Architect/ schmidt hammer lassen architects **Client/** The International Criminal Court (ICC)
Area/ 54,000 m² / 1,200 workplaces **Competition/** 2008-2010, first prize in restricted international competition **Engineer/** Royal Haskoning Nederland B.V. and Esbensen - Consulting Engineers AS **Landscaping/** SLA **Project management/** Brink Group **Interior & Art/** Bosch & Fjord **Contractor/** Courtys



DOKK1/Aarhus/Denmark/ Space for change/New public library/



Architect/ schmidt hammer lassen architects **Client**/ Aarhus Municipality **Client Partner**/ Realdania **Area**/ 35,600 m² **Competition**/ 2009, first prize in an international competition **Engineer**/ Alectia Rådgivende Ingeniører **Landscaping**/ Arkitekt Kristine Jensens Tegnestue **Client Consultant**/ Rambøll Danmark **Other consultants**/ Bahn arkitekter (accessibility)

DOKK1/ Aarhus/Denmark/

Dokk1 opened its doors to the public in June 2015. Situated by the historic harbour front of Aarhus the largest public library in Scandinavia today represents a new generation of modern, hybrid libraries.

Democratic, open and diverse

The 30,000 square metre building is part of the Urban Mediaspace project, and houses the new library, a citizen service centre, automatic parking for 1,000 cars and new harbour-side public squares. New cycle paths run through the scheme that includes over 450 bicycle parking spaces, and the new light railway will run with a station at Dokk1. With more than 500,000 visitors just 4 months after the opening, the new library has already become a new vibrant hub and a connecting “hinge” that opens up to new experiences in the city of Aarhus. The two open levels of the library are connected by the media ramp, which consists of five platforms dedicated to numerous activities: exhibitions, gaming, interactive workshops, reading and events. Combined with the literature and media sections, the media ramp offers a meandering path of activity through the building leading up to the children’s area on the top floor.

A covered urban space

The principal idea behind Dokk1 is a transparent covered urban space, designed as a polygonal slice that hovers above a glazed building resting on a podium with large sculptural stairs. The stairs fan

out to street level and the new harbour promenade surrounding the building. The glass building is designed as an open urban space with 360-degree views of the water, harbour, forest and city.

The building has no clear front or back, which is emphasised by the multi-edged top slice that creates the impression of rotation and movement. The facade is made of expanded metal, the scale of the city and harbour is reflected in the design, which twists, breaks and turns. The concept of the façade design is an interaction with the height of the surrounding buildings and the scale of the port with reference to large elements, such as cranes and ships.

Sustainability

From the earliest stage, sustainability has been an important integrated part of developing the project, and the building meets the requirements of the Danish 2015 energy classification. Elements such as seawater cooling, effective shielding effects and the 3,000 m² integrated roof solar cells reduces energy consumption considerably. Also light fittings, LED lamps, motion and daylight sensors as well as solar panel arrays reduces dependency on conventional energy sources.

“Dokk1 is not simply a building. It is a place for exchanging knowledge and opportunities and a multicultural meeting point that will change people’s perception of the entire city.”

Kim HolstJensen, Senior Partner at schmidt hammer lassen architects

schmidt hammer lassen architects has extensive experience with library design. The most renowned of these being the extension to the Royal Library in Copenhagen, Denmark, and the RIBA award-winning University of Aberdeen New Library in Scotland. Last year, two Canadian libraries opened in Halifax and Edmonton. In 2018 a new central library in Christchurch, New Zealand, will open.



User involvement & Collaborative processes/

In 2012 schmidt hammer lassen architects and the City of Aarhus were selected to receive a Best Collaboration Award 2012 for the extensive cooperation in creating the largest public library in Scandinavia, DOKK1. The Best Collaboration Award, an EU-initiative, rewards the best examples of collaboration between partners from the creative industries sector and local governments in the North Sea Region of the European Union.

The jury selected the DOKK1 project team due to the broad and intensive collaboration process between the municipality, the architects, the citizens and future users. According to the jury report, "the intensive implication of citizens will be positive for the further development of the library as a public space for information and exchange of ideas."

The philosophy behind the user involvement is that an active library will only come to life by actively involving the people who are going to use it. Therefore, citizens of Aarhus and the future staff of the library has been engaged in the design process.

Malmö Live/Malmö/Sweden/ A 'city in the city'/'



“The main idea of Malmö Live has been to create ‘a city in the city’. An example is the part of the building that faces the park and the canal that is shaped more openly and organic, and gives the people from the city the possibility to stroll through the building if they are going to a concert, a conference, to the café or just want to make a shortcut. We wanted the place to be vibrant, accessible, and inviting – no doubt this approach will have great impact on the future life to be unfolded around and inside the buildings.”

Kristian Ahlmark, Senior Partner at schmidt hammer lassen architects

Malmö Live/ Malmö/Sweden/

A city in the city

In 2015 the new 54,000 square metres large concert, congress and hotel complex situated on Universitetsholmen in Malmö will be completed. The building consists of a composition of cubic volumes that are mutually twisted and given different sizes to meet the directions and building heights of the surrounding city. The façades are designed with a homogeneous expression to make the composition appear as one architectonic sculpture.

The ground floor is open to the public. The main entrance is found at the northern part of the build-

ing, with a classic loggia-motif facing the plaza in front. From the south you enter the building directly from the promenade that runs along the canal. The different functions in the building are organised like separate elements – like a small town. Here, the lobby becomes the street that runs through the whole ground floor plan and ties everything together. Like the medieval cities, with curved and narrow streets organised around plazas and squares, the lobby is designed to form small gathering places and recesses where it is possible to stop, sit and enjoy the view to the canal and the park.





Open and accessible

The new cultural centre becomes an open, expressive and dynamic building that is manifold in both its activities and its architecture. The point of departure for the building design is the modern Scandinavian architectural tradition with the clear functional organisation and the accessible and open ground floor lay-out. The building becomes the focal point and a landmark for Malmö – a place where the spirit of the city, the diversity and the intimacy is given an architectonic expression.

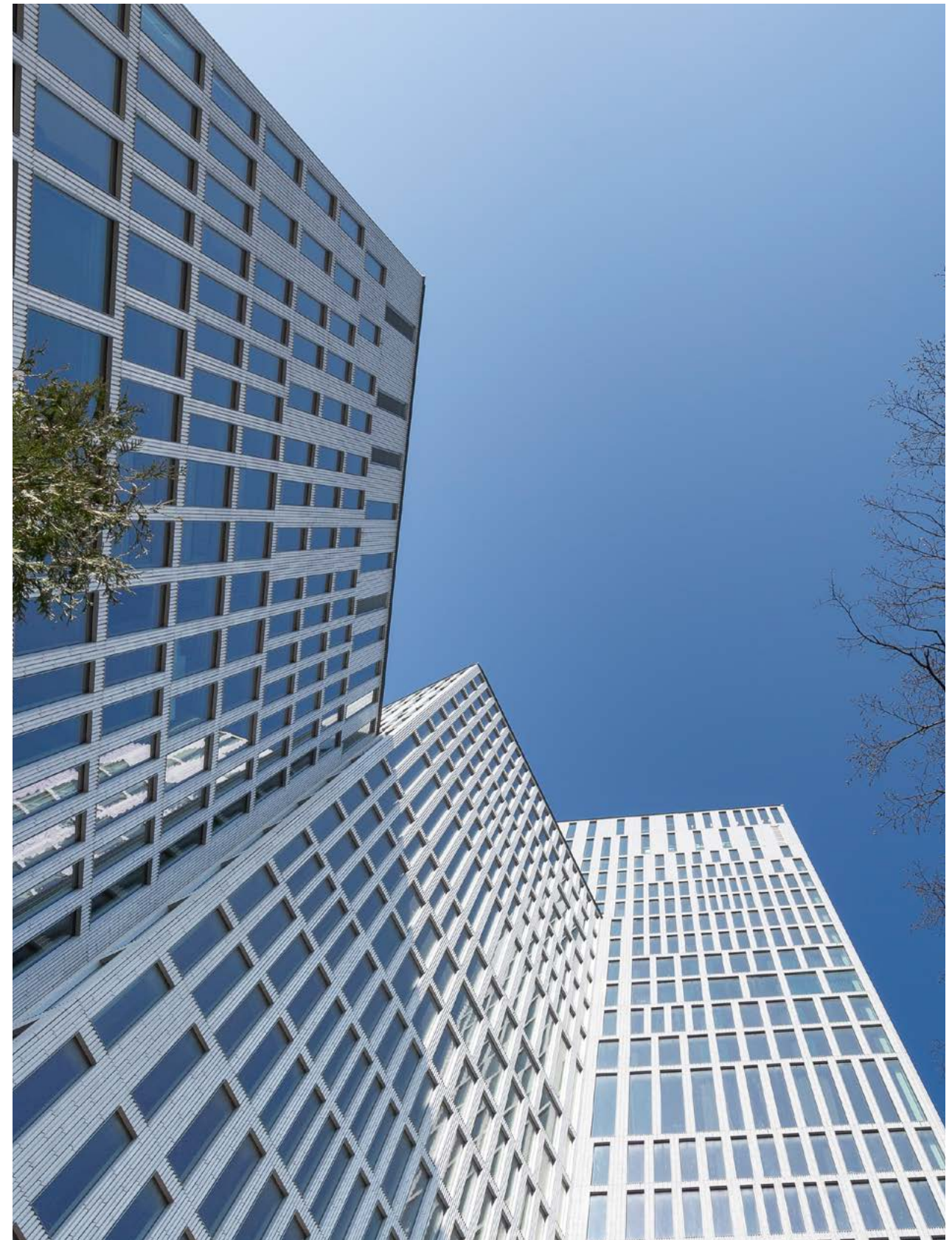
Sustainability profile

Malmö Live is a sustainable, green project. The intention is to develop the area with as little environmental impact as possible, for example by reducing energy consumption and using local energy sources such as geothermal heating, solar energy and wind power.

Close proximity to City Tunnel and Central Station makes taking public transport easy. Green roofs absorb water, slow up runoff and promote biodiversity. Solar cells meet some of the building's energy requirements. Food waste is collected and turned into biogas, and there are nesting boxes for kestrels on the roofs to help this bird of prey to live in a city environment.

Malmö Live will be certified according to the international Leadership in Energy and Environmental Design (LEED) standard - aiming for the highest level - platinum - in the assessment, which looks at factors like materials, indoor environment, design, and water use. The building also meets the category A standard of the Miljöbyggprogram Syd Green Construction Programme.

Find more information on www.shl.dk and on www.malmolive.se



Architect/schmidt hammer lassen architects **Client**/Skanska Sverige AB

Area/54,000 m² concert, congress and hotel **Competition**/2010, international property development competition **Status**/Won, construction 2010 - 2015 **Landscape architect**/SLA **Contractor**/Skanska Sverige AB **Other collaborators**/Akustikon

Green Valley/Shanghai/China/ Transformation as driver/



Green Valley/ Shanghai/China/

The Green Valley project is located on the former 2010 Shanghai World Expo site immediately next to the iconic Chinese pavilion. The Green Valley development will become a new central urban development in Shanghai, integrating new sustainable solutions in both the urban design and the individual buildings on the site.

Green Valley is just one of several major projects along Shanghai's historical Huangpu River waterfront being designed by schmidt hammer lassen architects.

All the projects relate to the redevelopment of the former industrial areas along the riverfront, and build on the studio's track record in regenerating a number of prominent waterfront sites in major cities throughout Scandinavia. Besides Green Valley, our studio is involved in the Shanghai Dream

Center development, a former cement factory being converted into Shanghai's new waterfront cultural and creative hub. We are also designing the Xuhui Binjiang Performing Arts Center, and work on a redevelopment of a former coal storage building which will become a new art gallery and museum. Recently we have also designed pavilions for the Shanghai West Bund Biennial for Architecture and Contemporary Art, alongside architects Atelier Deshaus, Atelier BowWow and Pritzker prize winner Wang Shu.



Lead design architect/schmidt hammer lassen architects **Local architect**/ECADI (East China Architecture and Design Institute) **Client**/Shanghai EXPO Construction Development Co. Ltd. **Area**/50,000 m² **Competition**/2012, 1st prize in invited international competition **Status**/Construction period 2013 – 2015

“The project is designed so that, despite the monumental scale of the site, it relates to the human scale in the public spaces, giving a diverse, vibrant and inclusive community.”

Chris Hardie, partner at schmidt hammer lassen architects





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We support the UN Global Compact initiative/

schmidt hammer lassen architects hereby states that we operate in accordance with The UN Global Compact's ten principles in the areas of human rights, labour, the environment and anti-corruption. We state that our actions comply with Danish national legislation and related international conventions. This COP reports on the continued commitment and describes actions taken within all four areas.