

**schmidt/hammer/
lassen/
architects/**

GLOBAL COMPACT/COP/2018





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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.**

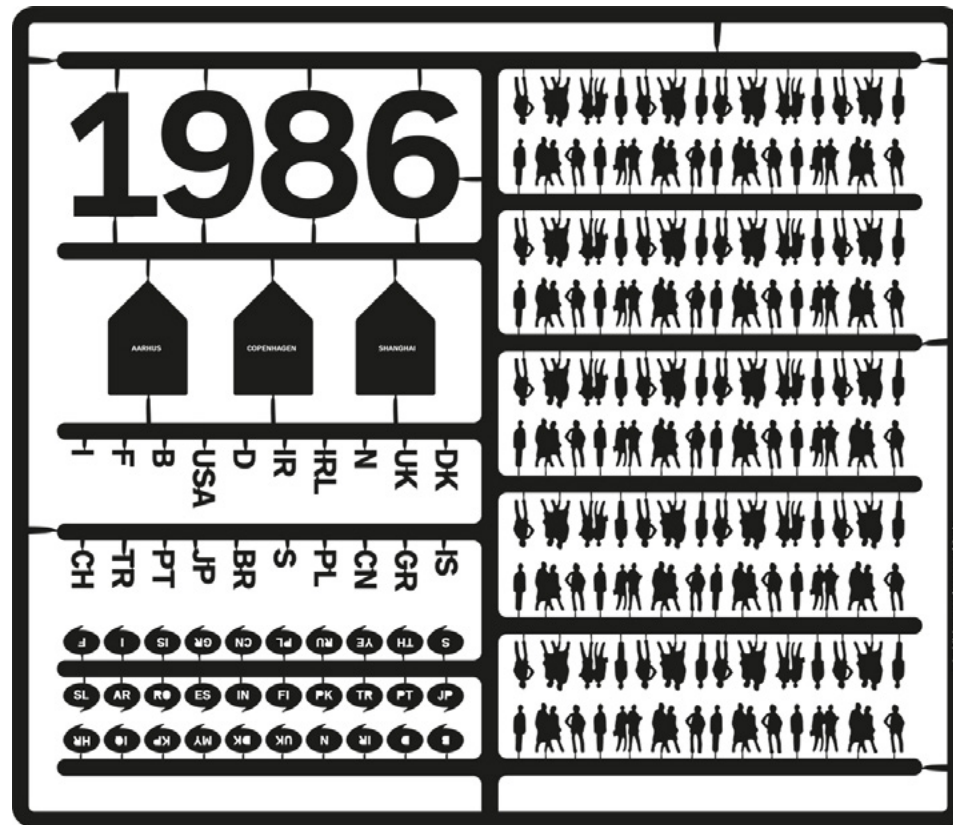
Schmidt Hammer Lassen Architects, now part of global architecture and design firm Perkins+Will, is one of Scandinavia's most recognized and award-winning architectural practices. The company was founded in Aarhus, Denmark in 1986 by Morten Schmidt, Bjarne Hammer, and John F. Lassen, and is led today by all three founding partners along with fellow partners Kim Holst Jensen, Kristian Lars Ahlmark, Chris Hardie, Rong Lu, Mads Kaltoft, Kasper Frandsen, Nathan Smith, Tiago Pereira and Rasmus Kierkegaard.

Working out of studios located in Copenhagen, Aarhus, and Shanghai, the firm provides skilled architectural services all over the world, with a distinguished track record as designers of international, high-profile architecture. Cultural and educational buildings, offices, commercial, retail, and residential buildings, often in mixed-use developments and complex urban contexts, are cornerstones of the firm's output.

The practice has extensive global experience in the design of libraries and other public and cultural landmark buildings, and its innovative, sustainable, and democratic approach to architecture has attracted global attention, winning more than 100 national and international awards. Schmidt Hammer Lassen have supported the UN Global Compact initiative since 2008 and are member of the newly established Global Compact Network Denmark.

We submit COP #9 in December 2018. The COP will be available on the UN Global Compact website and on our website www.shl.dk.





Founded in 1986
3 offices
200+ co-workers
30 nationalities
International projects on 4 continents





For more than 30 years, Schmidt Hammer Lassen have provided excellent architectural services all over the world. Today we work on four continents with the overall goal to optimize and improve existing standards for building design and construction.

We believe that architecture solutions increasingly can and will drive positive change in our world. To accomplish this, we continuously seek to get smarter through new knowledge and methodology.

We engage in innovative research projects, establish collaborative partnerships with both industry and higher education institutions, and we provide targeted internal

continuing professional development to all staff members. In our COP/2018, we take the opportunity to report on initiatives taken and achievements attained and we present selected architectural projects that add documented value and positive change to people, places, and communities.

In acknowledgement of the substantial influence and responsibility of the building industry, Schmidt Hammer Lassen have signed the Nordic Built Charter as well as The Charter of the Danish Association for Responsible Construction.

Since 2008, we have supported the Global Compact initiative and the principles continuously constitute an

essential policy frame of our CSR approach. We are members of the new Global Compact Network Denmark and part of the important agenda of working together on “making global goals local business”.

The Partner Group/

Schmidt Hammer Lassen Architects
December 2018

The UN Global Compact/

Schmidt Hammer Lassen Architects joined the UN 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.





10 GUIDING PRINCIPLES

HUMAN RIGHTS/

Principle 1/ Businesses should support and respect the protection of internationally proclaimed human rights; and

Principle 2/ 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; and

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.

The UN Sustainable Development Goals

In 2015, leaders from 193 countries came together to commit to ending poverty, combating climate change, and fighting injustice by adopting a new global set of measurable Sustainable Development Goals (SDGs).

The UN Global Compact is committed to be a leading catalyst of this agenda – based on the sound values and principles that the UN Global Compact is built upon. Schmidt Hammer Lassen are member of the recently established Global Compact Network Denmark devoted to “making global goals local business”.



Debate on the UN Sustainable Development Goals

In June 2018, Schmidt Hammer Lassen opened its doors for the event “View on the 17”, a conversation about architecture’s role in supporting the United Nations’ 17 Sustainable Development Goals.

Though the UN’s global objectives are high on the political agenda, they require greater attention from the architectural industry. In the form of a dynamic dialogue meeting, we fostered a discussion focused on the industry’s role in facing the sustainability challenges of the future.

Charlotte Algreen, who is a leading voice in architectural sustainability, led a panel discussion attended by Kristian Ahlmark, Partner and Design Director at Schmidt Hammer Lassen; Martin Lidegaard, member of Parliament and former Foreign Minister and Climate and Energy Minister, as well as co-founder of Concito; Steen Hildebrandt, Ph.D., Professor Emeritus at Aarhus University, Adj. Professor at CBS and Aalborg University, author; Hans-Bo Hyldig, Director of the FB-gruppen; and Jakob Brandtberg Knudsen, Head of the School of Architecture at KADK.

The dynamic group sparked a wider discussion about the responsibility of every player in the industry to create change, from politicians, to developers, to architects, to the demands of everyday people. There was common



consensus that working in silos leads to stagnation, and that cooperation and communication between different disciplines and actors is the way forward. The panellists and guests also discussed rewriting the rules of global architecture, and touched on how architectural companies can contribute to a more sustainable future by adding the UN’s Sustainable Development Goals to their strategy.

At Schmidt Hammer Lassen, the culture of conversation is part of our design philosophy. Our belief that the best architecture is a result of collaboration and shared knowledge was realized with the full house of industry professionals engaged in the compelling discussion and the lively networking that followed.



PRINCIPLES ON HUMAN RIGHTS

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

Schmidt Hammer Lassen Architects support the United Nations' Universal Declaration on Human Rights and the UN Global Development Goals. We work in compliance with Danish legislation which meets international conventions on human rights/



Danish Charter supports CSR in the construction sector/

Schmidt Hammer Lassen 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 declare 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.



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; and

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

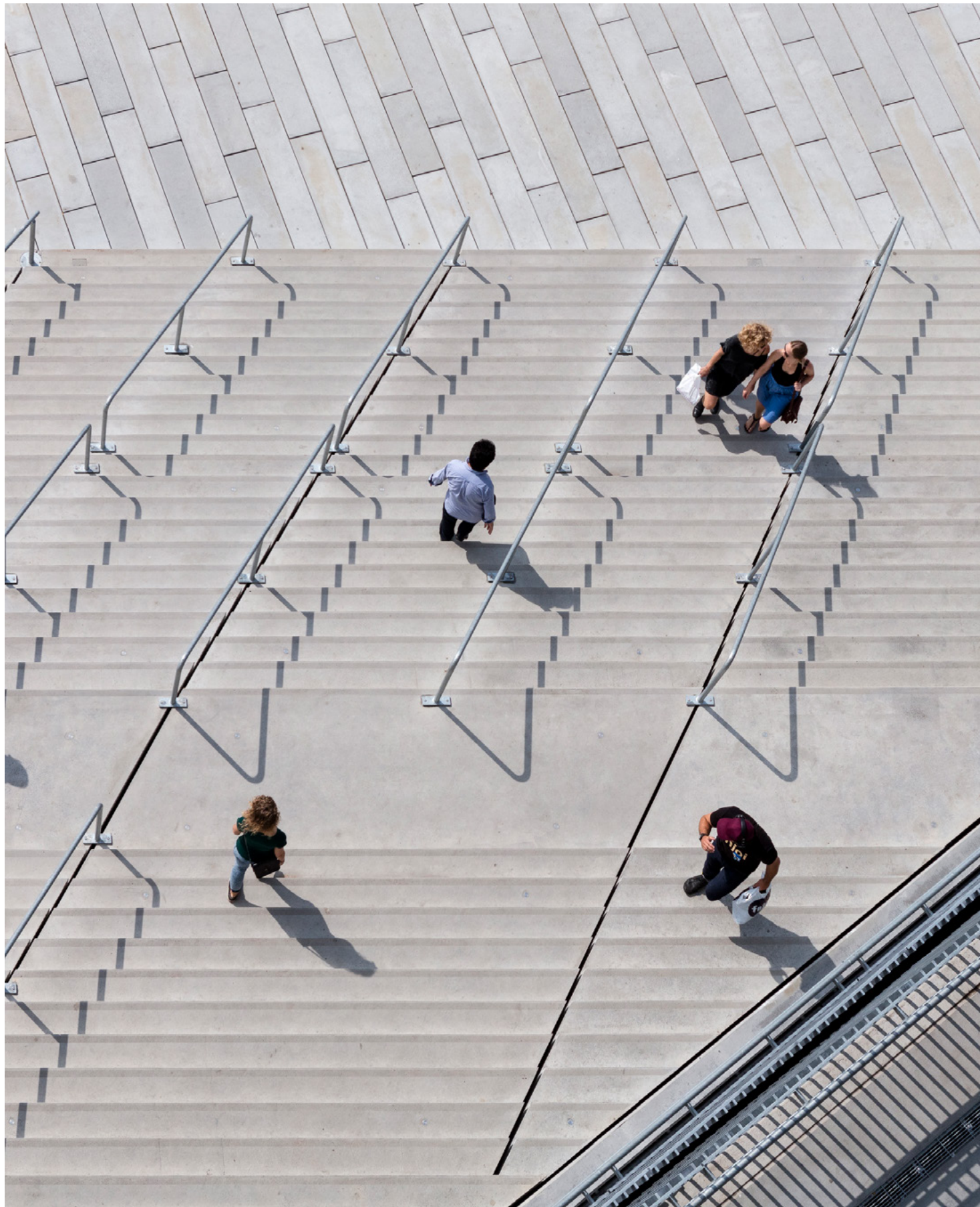


Labour standards/

At Schmidt Hammer Lassen Architects, we 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 our practice. 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 engage in several specifically selected and designed activities to uphold and extend these rights and continuously improve conditions for all staff members.

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



A democratic work place/

The well-being of staff members is highly valued by the organisation. Three dedicated committees are in place to support, that we act in compliance with the defined goals and that procedures are followed. The strategic management participates actively and cooperatively in this work alongside staff elected representatives.

The Health & Safety Committee takes precautionary measures against 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 representatives 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.

We communicate on general work conditions, benefits, rules, and regulations in the SHL Staff Handbook, which we hand out when welcoming a new colleague – alongside a well-planned on-boarding program.

Work environment/ Individual development/

A mandatory and well planned Employee Development Dialogue / EDD is held annually for all staff members together with their manager. This valuable session is focusing on motivation, job satisfaction, continuing professional development, and career development.

The outcome of the EDD and goals for future development is implemented in our system for professional development in collaboration with the manager. Additionally, an annual salary negotiation is held with every employee together with a status EDD and check-ins when needed.

At all locations, Schmidt Hammer Lassen encourage the employees to participate in a wide range of social and professional development activities. We love to celebrate won competitions, birthdays and anniversaries by inviting to informal gatherings. The SHL Intranet monthly presents a variety of activities to ensure a spirited culture, including knowledge-sharing sessions, lectures, courses, site visits, and inspiring study trips.

CPD Plan/

To ensure assisted learning activities and ongoing professional and personal development for all employees, the Continuing Professional Development Committee annually compile a CPD Plan covering the majority of the assisted learning activities open for everyone. Our knowledge groups GREEN/ BIM/ BUILD arrange a variety of educational activities and additionally, we support educational activities within leadership and management.

In addition to the CPD plan, many different individual learning activities take place, also funded by company means.





Schmidt Hammer Lassen/Office/ Copenhagen/Denmark

Work Place Assessment/

The organisation administers a detailed employee survey, the Workplace Assessment/ WPA. The WPA is conducted once every third year and supports us in monitoring organisational development on physical working conditions as well as psychological working environment.

Some important questions in the WPA related to job-satisfaction has recurred in the last three surveys, showing a positive steady increase in the categories covering reputation and general well-being.

The Management Board in collaboration with Health & Safety/ Collaboration Committee / Managers / HR identify the key focus areas to be handled and prioritized in continuation of the employee feedback. Hereafter, action is taken on different organizational levels.

Non-discrimination/

Members of staff are the most valuable resource at Schmidt Hammer Lassen. We believe that diversity supports an innovative work environment with excellent architecture as a result. The staff of employees today counts around 30 different nationalities with an almost equal gender distribution. We focus on competencies and skills at any recruitment and internal promotion within the organisation.

Collective Agreement/

In the section below, we outline the basic rules and regulations of the collective agreement pertinent to safeguarding labour rights. 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.

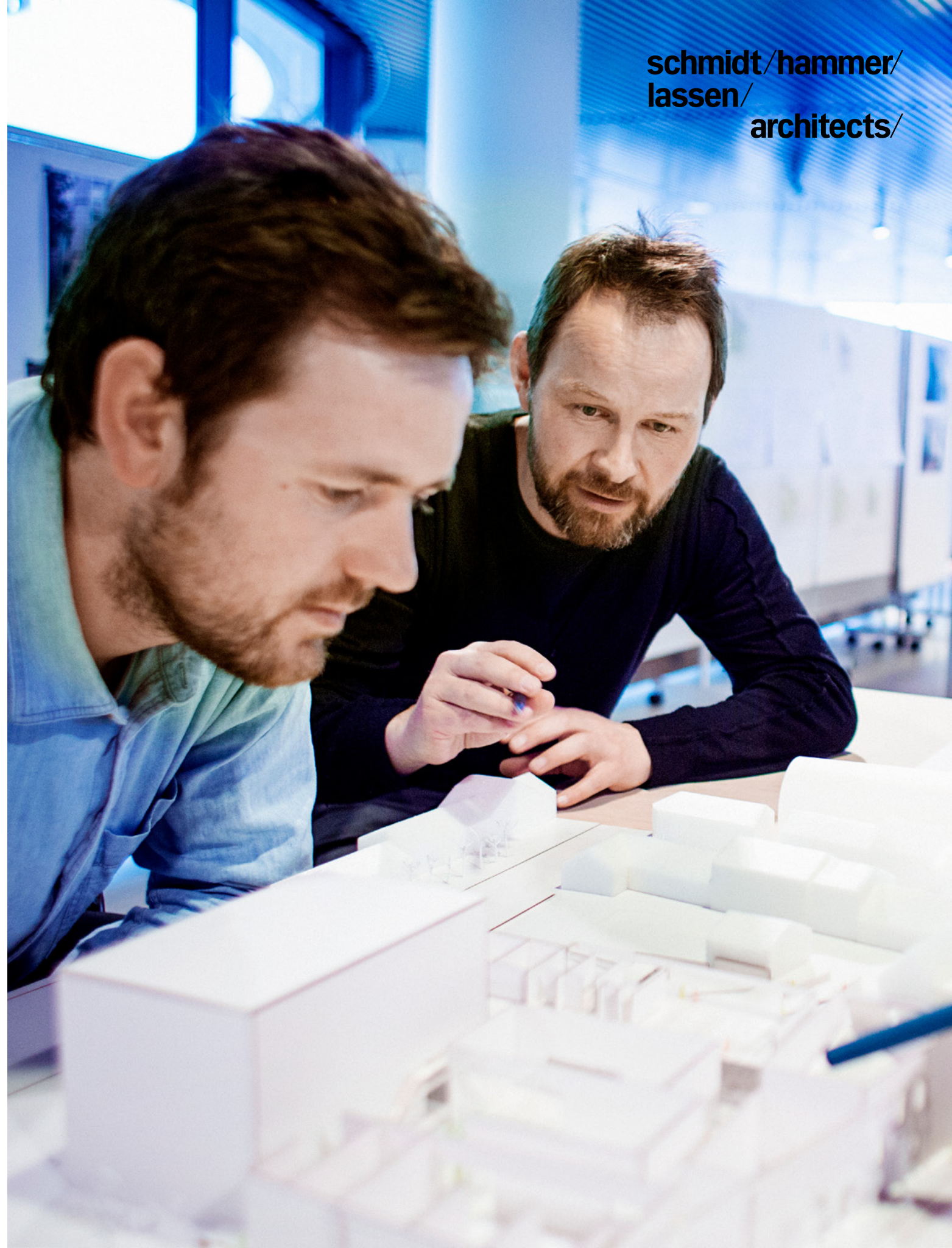
- / Fixed salary tiers regulated according to seniority
+ individually salary negotiations
- / Pension scheme
- / Working hours regulation and overtime compensation
- / Favourable maternity and paternity leave
- / Holiday regulations (31 days per annum)
- / Continuing Professional Development (CPD) funding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

Additionally, the organisation offers extra healthcare insurances for a majority of staff members.

Responsible behaviour/

At Schmidt Hammer Lassen, responsible behaviour is integrated both in our professional work and in our everyday work life. Standards covering responsible behaviour are thoroughly described in the SHL Staff Handbook.

A lunch scheme is in place at the Danish offices, allowing staff members to enjoy healthy, fresh and well-prepared lunch meals. We avoid waste of food by offering a take-away solution. The supplier is certified with the Organic Trademark verified by the Danish Veterinary and Food Administration.



SHL DAYS/

At Schmidt Hammer Lassen Architects, we have proud traditions when it comes to our grand gatherings; the SHL Days.

Every second year, all staff members are invited to come together to be inspired, to experience excellent architecture and to enjoy the company of good colleagues. The SHL Days have previously taken place in Venice, Stockholm, Shanghai, Copenhagen, Ebeltoft

and other wonderful locations. In general, the majority of the company (above 90 percent) participates in these events.

In 2018, the SHL Summer. Social. Summit. took place in Copenhagen. Almost 200 staff members came together for an adventurous day of lectures and workshops – the event was completed by a lively evening summer party.



BLOX is one of Copenhagen's major urban development projects and a new destination in the city. Designed by the internationally renowned architects OMA. Built and funded by the philanthropic association Realdania.

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.



Exchanging knowledge/ Guiding the future/

Founding partner Morten Schmidt is a member of Van Alen Institute's International Council – a platform for exchange among leading architects, designers, developers, and planners, representing practices across more than 26 cities and 15 countries.

Council members meet twice annually to identify and investigate issues facing cities around the world, and to guide the impact of the Institute's public programming, research, and design competitions. The members also convene with local policymakers, developers, researchers, and designers, identifying topics with the potential for deeper exploration with Van Alen's international audience.

In November 2018, the International Council met in Mumbai to discuss solutions to future urban challenges, "at Schmidt Hammer Lassen we strongly believe in the power of sharing knowledge and experience," said Founding Partner Morten Schmidt, "from our long-time architectural project work, we know the value of collaborating in cross-disciplinary teams, and it is a privilege to be part of the Van Alen Institute's International Council, where dedicated professionals exchange knowledge and seek to contribute with real solutions to the extensive global challenges."

VAN ALEN INSTITUTE

About the Van Alen Institute/

The Van Alen Institute is a 124-year-old not-for-profit that uses design to catalyze positive change in cities.

By collaborating with communities, scholars, policymakers, and professionals on local and global initiatives, the Institute will continue to inspire fresh thinking about the most pressing social, cultural, and ecological challenges of tomorrow and help people visualize a different future.

The belief of Van Alen Institute is that design can transform cities, landscapes, and regions to improve people's lives and work to develop cross-disciplinary research, provocative public programs and inventive design competitions.

Read more about Van Alen Institute here/
<https://www.vanalen.org/>

**As architects we have not only the
opportunity but also the responsibility
to design a better world.**

GREEN MANIFESTO/
by Schmidt Hammer Lassen Architects
2007

The new Sports and Administrations Centre and Town Hall in Skanderborg is the first Danish public building to reach the DGNB Platinum Standard/



A GREEN agenda/ Certified knowledge/

At Schmidt Hammer Lassen Architects, we commit to develop projects and realise buildings based on a holistic concept of sustainability. We work in multidisciplinary teams with innovative solutions in integrated design processes. We do this in frameworks of various certification systems as well as project specific goal setting, working closely together with our clients' organisation.

Our 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. This enables us to evaluate the "green performance" of a building and give a profound understanding of the interaction of different sustainable parameters. The evaluations are used to seek for optimized green solutions during the design process and better building performances without compromising the ambition for high quality architecture.

Knowledge sharing is fundamental in our practice and in the CPD strategy. The CPD strategy aids to raise the common level and understanding of holistic sustainability throughout the organisation. An important knowledge sharing platform is our GREENgroup, where passionate employees exchange cutting edge knowledge of highly sustainable projects and green ideas. In close collaboration with the architecture schools and university colleges we engage with students in different ways as mentors and external examiners in mutual inspiration.

We participate in network initiatives with the focus on implementation of green value management, sustainable reuse of existing building mass and sustainable city development. The specialized staff members of our studio provide public lectures and communicate on our experienced work. We engage in strategic partnerships in pursuit of working with the UN Sustainable Development Goals – like the Active House Alliance, where we are a supporting member and represented in the Advisory Board.



Selected certified projects/

**schmidt/hammer/
lassen/
architects/**



Sir Duncan Rice Library/Aberdeen/Scotland/
BREEAM excellent



Halifax Central Library/Halifax/Canada/ LEED Gold Certified



Office Building Buddinge/Copenhagen/Denmark/
DGNB Silver Certified



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



Amazon Court Building/Prague/the Czech Republic/
DGNB Gold Certified



The Crystal/Copenhagen/Denmark/Energy-consumption
reduction and best practice PV integrated facade design



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



Skanderborg Administrations and Sports Centre/
DGNB Platinum



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



State Library Re-development Victoria/Melbourne/Australia

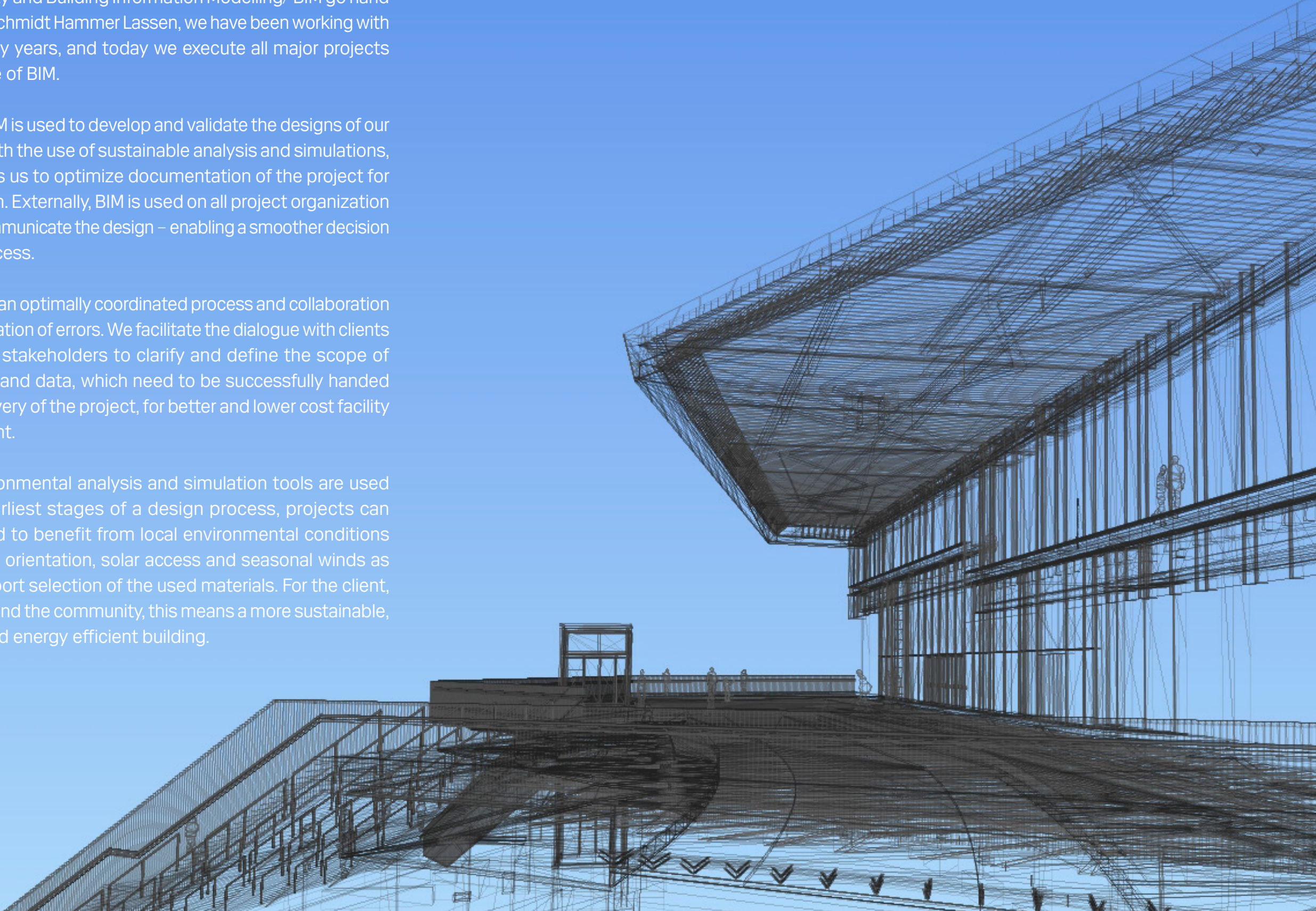
Building Information Modelling / BIM

Sustainability and Building Information Modelling / BIM go hand in hand. At Schmidt Hammer Lassen, we have been working with BIM for many years, and today we execute all major projects with the use of BIM.

Internally, BIM is used to develop and validate the designs of our buildings with the use of sustainable analysis and simulations, which allows us to optimize documentation of the project for construction. Externally, BIM is used on all project organization levels to communicate the design – enabling a smoother decision making process.

The result is an optimally coordinated process and collaboration and minimisation of errors. We facilitate the dialogue with clients and related stakeholders to clarify and define the scope of information and data, which need to be successfully handed over on delivery of the project, for better and lower cost facility management.

When environmental analysis and simulation tools are used from the earliest stages of a design process, projects can be designed to benefit from local environmental conditions such as site orientation, solar access and seasonal winds as well as support selection of the used materials. For the client, future 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 engages in BIM Networks, BIM standard organisations and conferences, and also lectures at conferences and educational institutions. These activities are essential in order to build and share new knowledge – internally as well as externally.

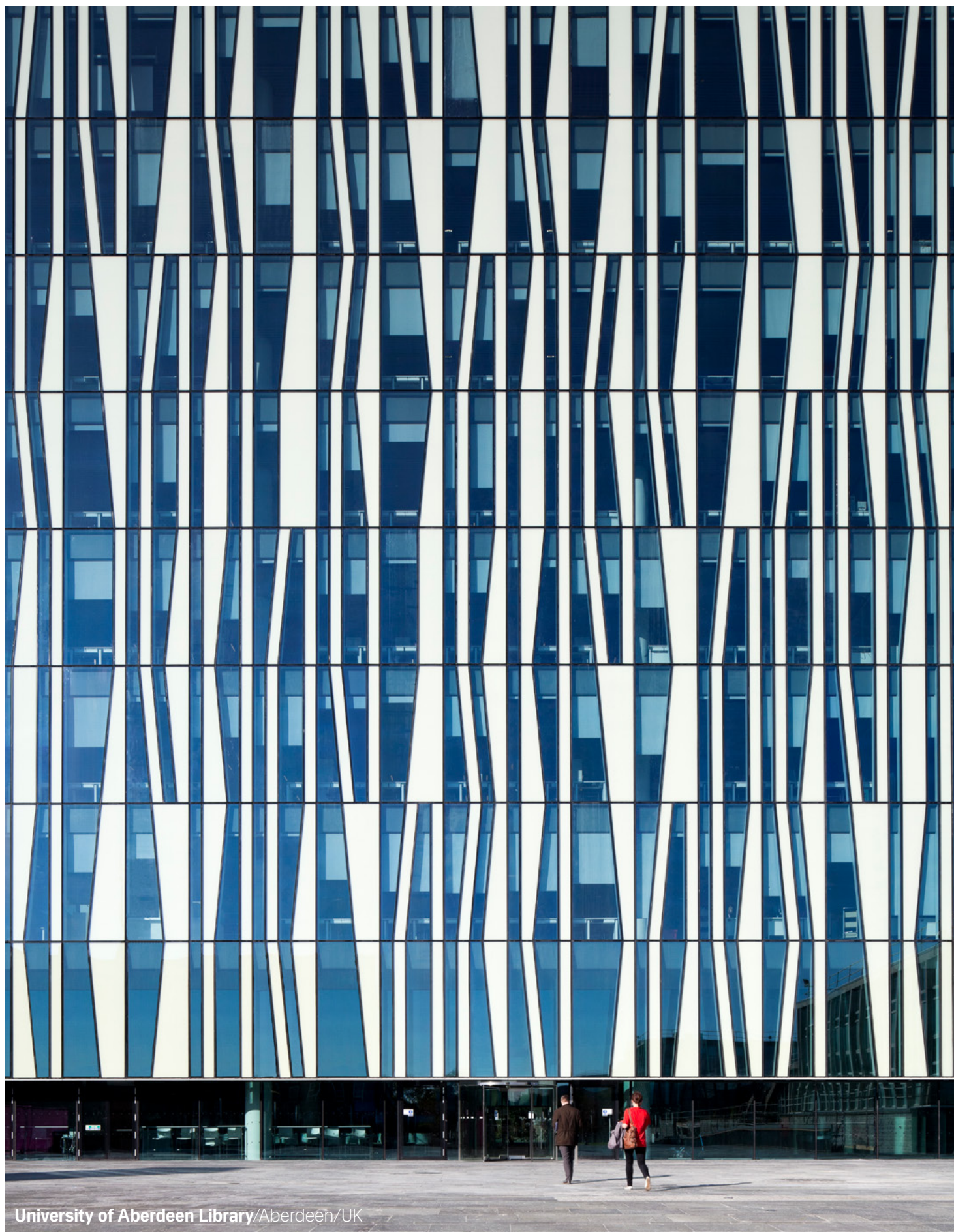
Schmidt Hammer Lassen is co-founder and member of the BIM7AA, a voluntary collaboration between seven Danish architectural practices in collaboration with Aarhus School of Architecture. The purpose of BIM7AA is to develop and continuously optimise commonly developed BIM tools, methods and processes focusing on interdisciplinary cooperation.

Knowledge Centre/ Molio

Schmidt Hammer Lassen is also member of Molio, a construction knowledge centre focusing on digital solutions and new technology. Molio is taking over the role as the buildingSMART network in Denmark and will also be the new buildingSMART Nordic Chapter partner and coordinator of activities in Denmark.

BIM is also one of the key cornerstones in the internal strategic continuing education plan. Additionally, the internal BIM taskforce research and develop professional network and education. Running evaluations of the BIM projects is part of the knowledge sharing initiatives.

More info/
www.molio.dk



University of Aberdeen Library/Aberdeen/UK



Quality Assurance/

Schmidt Hammer Lassen have wide-ranging experience in high-level quality management to meet both client demands and regulatory requirements throughout the entire project life cycle; from the very beginning of a project until final handover.

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

The quality assurance policy of the practice is described in detail in the SHL Quality Assurance Manual, and it has been prepared in accordance with the following guidelines and standards:

- / Quality Control in Architectural Practices published by
The Danish Association of Architectural Firms
- / The DS/ISO 9001 standard

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



GLOBAL COMPACT PRINCIPLES ON **ANTI-CORRUPTION**

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

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 formulated policy guidelines are in place and carefully described in the SHL Staff Handbook that is handed out to all employees on their first day at work. In this we state:

„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.“



The independent 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.

**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 central Oslo, the Urban Mountain,
will become another icon of the Norwegian capital
and sets new standards for sustainability.**

The Nordic Built Charter/

Schmidt Hammer Lassen Architects have 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 solutions 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 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/



SELECTED ARCHITECTURE/ SOCIAL/SUSTAINABLE/IMPACT/

Christchurch Central Library/Christchurch/New Zealand

Hope, unity and rebirth – redevelopment of an earthquake-damaged city



Architect/ Schmidt Hammer Lassen Architects **Size/** 9,500 m² m²/ **Competition/** Winner of contract in an international competition, 2013/ **Status/** Completed, 2018/ **Client/** Christchurch City Council/ **Lead Design Architect/** Schmidt Hammer Lassen Architects/ **Principal Collaborating Architect/** Architectus

“Turanga is the kind of multi-faceted project that layers architectural interest with significant cultural relevance. It has been a privilege to design a project that not only fulfils the need for a new central library, but also one whose mission of restoring the soul of the city includes the deep cultural heritage of Ngai Tuahuriri, the local Maori people.”

Morten Schmidt, Founding partner

Christchurch Central Library/Christchurch/New Zealand

Over the course of 15 months in 2010 and 2011, Christchurch, the largest city of New Zealand's South Island, was devastated by four major earthquakes that toppled a city known for its arts, culture, and surrounding natural beauty. Schmidt Hammer Lassen Architects, designed Turanga, a new central library project that is one of nine anchor projects identified as vital to the redevelopment of the city.

The new central library is a visually stunning symbol of hope, unity, and rebirth that will fundamentally change the way residents and visitors experience Christchurch's city centre. The design of Christchurch New Central Library is a graceful amalgamation of resilience, functionality and cultural awareness at the center of the earthquake-damaged city's redevelopment.

Lewis Bradford Consulting Engineers, the structural engineering firm on the project, was instrumental in developing a structure that could withstand future potential

earthquakes of the magnitude that destroyed so many of Christchurch's buildings in 2011. Turanga was constructed to very stringent performance criteria, and is designed to sustain minimal structural damage during a large earthquake thanks to an integrated, self-centering mechanism that allows the building to sway and then return to its original position.

Part of the innovative set up is a seismic force-resisting system made up of a series of large-scale concrete walls that can rock and shift to isolate the building from peak earthquake accelerations during a significant seismic event. Each wall has high tensile, pre-tensioned steel cables that clamp the wall to the foundations with approximately 1,000 tonnes of force per wall.

The stretch of these cables return the building to its original position after an earthquake, ensuring the library will stand as a unifying landmark in Christchurch for generations to come.



Picture of the site after the 2010 and 2011 earthquakes struck a community with deep ties to the land, the environment and each other.



The design of the five-storey, 9,500 m² library in Christchurch's historic Cathedral Square supports the city's desire for a public space that strengthens the community, advances literacy and lifetime learning, celebrates diversity of culture and heritage, draws people back to the city centre, and fosters innovation.

A tapestry of ancestry, tradition and culture

Early in the design process, the architects collaborated with Matapopore Charitable Trust, an organization whose objective is to ensure the values, aspirations and narratives of the local Ngui Tuahuriri people are realised throughout the recovery of Christchurch. Their influence on the design of the building is substantial—from building materials to physical orientation, there is a rich tapestry of ancestry, traditional knowledge, and culture woven throughout Turanga.

As library-goers approach the building, they are drawn into the informal, welcoming entrance that connects the library with Cathedral Square and surrounding buildings. The ground floor is a continuation of the public realm of the square, which is one of Christchurch's key urban spaces for public gatherings, events, markets and performances.

In an effort to enhance the civic activities of Cathedral Square, the second level houses a Community Arena—a space for the people of Christchurch to discuss, debate, share, and celebrate. The Community Arena is expressed as a distinct volume within the form of the library, and is positioned to maximise its visual connection to the square. The second level of the library is also home to Ngu Purapura, a children's area named for Ngui Tahu ancestral traditions. Ngu Purapura includes a children's reading cave and an activity room.

The building's five levels are connected by a grand, staggered atrium featuring a social staircase for gathering, reading, and resting. Several points in the Canterbury landscape, including the Southern Alps and the Banks Peninsula, are visible from the upper levels of the library and drove the placement and orientation of the roof terraces.

Studio Malmö/Malmö/Sweden

A unifying element in the harbour area



Architect/ Schmidt Hammer Lassen Architects **Size**/ 22,000 m²/ **Competition**/ 2007, 1st prize in international competition/ **Status**/ Completed in 2016/ **Client**/ Skanska Öresund/ **Contractor**/ Skanska Öresund/
Partner Architect/ Temagruppen/ **Landscape Architect**/ Tema Landskab/ **Engineers**/ Tyréns/ Skanska Stormsystem/ Skanska Teknik/ **Sustainability**/ Pre-certified LEED Platinum/
Awards/ 2018, Nomination for Building of the Year Award (Årets Bygge)/ LEED Building of the Year Award 2018

Studio Malmö/Malmö/Sweden

Studio Malmö is a 22,000 m² mixed-use harbour development located in central Malmö, a vibrant city in southern Sweden. The 14-storey building is designed to be an energy-efficient building with a Pre-certified LEED Platinum, and accommodates an eclectic mix of offices, conference and event spaces, restaurants, cafés and retail outlets, in addition to a hotel and sky bar.

Studio Malmö represents the completion of the island of Universitetsholmen. Located at the entrance to Malmö's inner harbour, it acts as a unifying element for the area. As a catalyst for the ongoing regeneration of the Malmö harbour area, the building will become a dynamic focal point and new landmark buzzing with activity day and night, enriching the life of Sweden's third largest city.

The architectural expression is a clear geometric building designed to fit in alongside its contemporary and historic neighbours, and includes a new public square facing the harbour and city centre. The café, retail shops and event and exhibition spaces on the ground floor are accessible from both the shore side and street side of the building, and open up to the public square atrium in the building's heart.



Studio Malmö wins LEED Building of the Year Award

In October, Studio Malmö was named the 2018 LEED Building of the Year by the Swedish Green Building Council (SGBC) at the Building Sustainability Conference.

The SGBC selected Studio Malmö, a 22,000m² mixed-use harbourside development located in southern Sweden, for its high design standards, elaborate design, and pleasant indoor environment that contributes positively to the urban environment. SGBC also cited Studio Malmö as an excellent

example of collaborative sustainability work.

The Swedish Green Building Awards recognize, celebrate and promote positive contribution to sustainable building and property development, and it has become one of the leading sustainability design awards in Scandinavia, awarding and promoting entrepreneurs, developers and architectural projects each year.

More information/
www.kungsleden.se

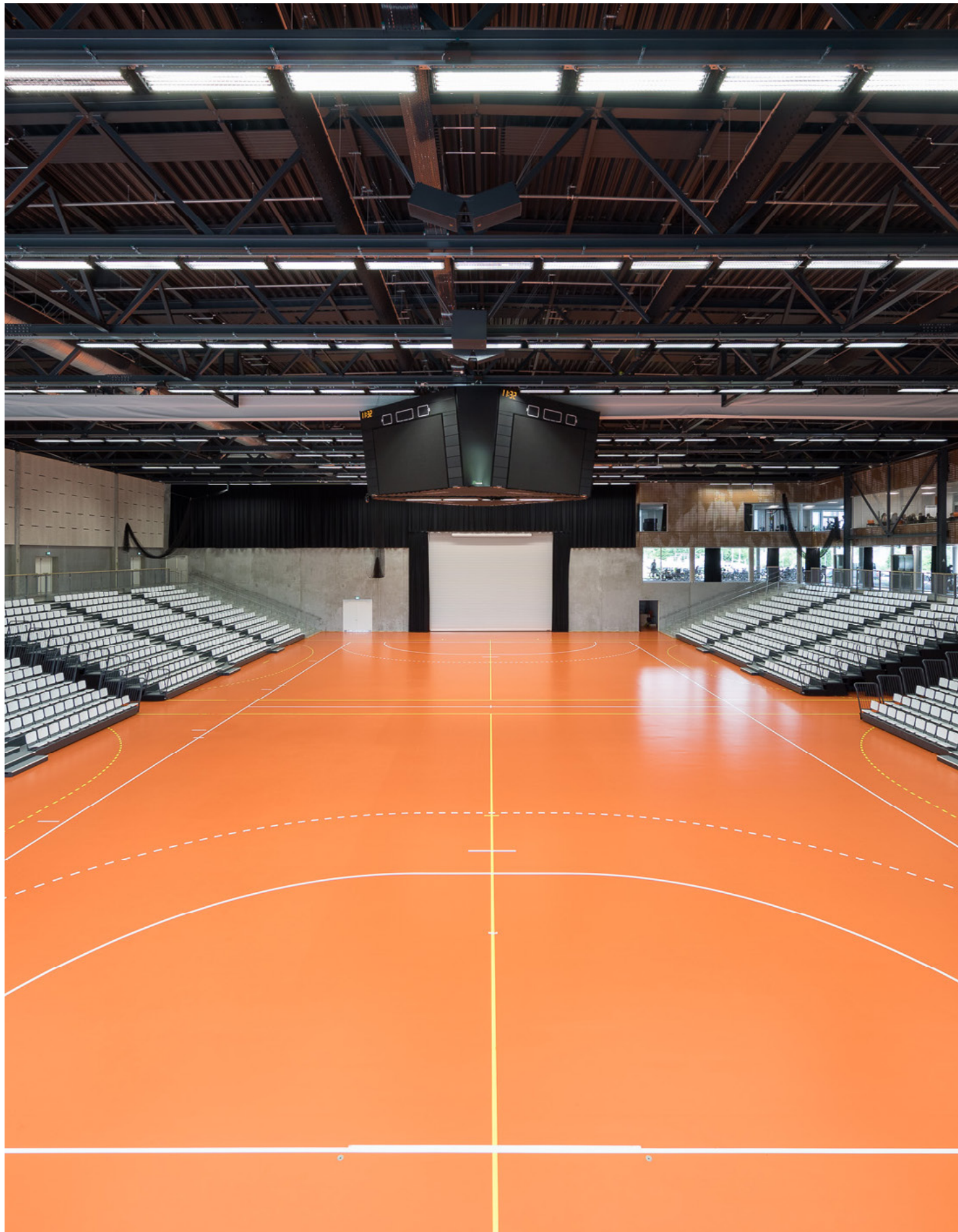


Skanderborg Fælled/Sports and Administration Centre/Town Hall/Skanderborg/ Denmark

First DGNB Platinum certification to Danish public building



Architect/ Schmidt Hammer Lassen Architects/ **Size**/ 18,424 m²/ **Competition**/ 2013, 1st prize in PPP competition/ **Client**/ Skanderborg Municipality/
Contractor/ KPC A/S/ **Sustainability**/ DGNB Platinum



Skanderborg Fælled/ Sports and Administration Centre/ Town Hall Skanderborg/ Denmark

The new Sports and Administrations Centre and Town Hall in Skanderborg is the first Danish public building to reach the DGNB Platinum Standard, the highest certification under the Danish DGNB sustainability standard.

In 2017, the Green Building Council Denmark completed a thorough certification process of the completed project, which included 182 different parameter in terms of environmental, financial and technical quality. The project scored high on all parameters, and especially the building's overall economy performance as an energy-efficient building of high quality for a low overall economy was emphasised.

The new 18,000 m² Sports and Administration Centre offers multiple administrative facilities for the municipality of Skanderborg in combination with new sports facilities for the use of the entire community. The aim is a complex, which sets new standards, supporting an innovative and multi-disciplinary work culture as well as being a vibrant gathering point for citizens of Skanderborg. The project appears informal, open, and accessible and in close contact with the unique surroundings of the recently established natural resort, Anebjergskov.

Several sustainable measures are integrated in the design of the building, such as optimized use of daylight, natural ventilation and an efficient building envelope. Green plants grow on selected facades as solar screening whilst increasing local biodiversity, as well as indoor green walls contribute to a good indoor climate.

More information/

www.skanderborgfaelled.dk

Shenzhen East Waste-to-Energy Plant/ Shenzhen/ China

The world's largest waste-to-energy plant



Architect/ Schmidt Hammer Lassen Architects/ **Size/** 112,645 m²/ **Competition/** 2016, 1st prize, international competition/ **Client/** Shenzhen Energy Environmental Engineering Ltd./ **Partner architect/** Gottlieb Paludan Architects
Structural Engineer/ Schlaich Bergermann Partners **Visuals/** Beauty & the Bit



Shenzhen East Waste-to-Energy Plant/ Shenzhen/ China

In 2016, Schmidt Hammer Lassen Architects in collaboration with Gottlieb Paludan Architects won the international competition to design the world's largest waste to energy power plant in Shenzhen, China.

Located on the outskirts of Shenzhen, the Shenzhen East Waste-to-Energy Plant will incinerate 5,000 tonnes of waste per day, generating 550 million kWh every year. With a population of 20 million, Shenzhen produces 15,000 tonnes of waste a day, a number that is increasing approximately 7% per year. To counteract this, Shenzhen Energy wishes to build a new plant that not only uses the most advanced technological processes in waste incineration but also act as a source of education for the citizens of the city.

The proposal organizes the entire plant, including auxiliary buildings, into one circular building breaking the traditional rectangular layout of an industrial power plant. By proposing a clean circular form, the footprint of the plant reduces the amount of excavation required to build on the site.

Public visitors are invited into the plant through a landscaped park, via an entrance bridge that rises between the stacks to an entrance lobby and visitor centre overlooking the plant machinery. An internal circular path and walkway circle the plant explaining each process, before leading up to a 1.5 km panoramic public walkway on the roof overlooking the surrounding landscape and back towards the city.

The roof is designed to be covered by up to 44,000 m² of photovoltaic panels, providing the opportunity for the plant to not only provide a cleaner way to deal with the city's waste but also contribute to the renewable energy provision for the city.

The plant is intended to showcase the Waste to Energy production as an important technical process that is geared to deal with both the issues of growing waste, but also the issue of finding new more environmentally friendly ways of generating electricity. At the same time, visitors can become informed on the challenge of the growing waste we produce every day and be educated on initiatives on how we can reduce our own amount of daily waste.

Schmidt Hammer Lassen has built a reputation for bringing a strong Scandinavian design approach to large complex public projects in China. Detailed design work began in 2016, and the plant is scheduled to go live in 2020.

The Green Tower/ High-rise build as a sustainable community



**With this project we wanted to explore, how high-rise build
in timber can be organized as a sustainable community.**

Morten Schmidt, Founding Partner



The Green Tower/

A new typology

Schmidt Hammer Lassen have developed a new high-rise concept proposing a new typology. As oppose to the common method of designating fixed units for sale, this project proposes to design a structural framework for housing units, community facilities, and vegetation to be infilled at later stages.

This approach creates the flexibility for a high-rise to serve multiple purpose through time. It is adaptable spatially, socially and economically. This type of building may serve as a green wall in the dense urban area at one point and then infilled by modular housings at a later stage.

Modularity is a key factor in this typology. Prefabricated units can simplify the construction and allow units to be expanded or reduced upon demand. Yet, the types of modules can be variable to create different spatial and social opportunities over time.

Sustainable Housing

Development of contemporary cities and urban environments is often operating on traditional and even outdated approaches for residential high-rise, designing towers that only address the demand for housing and utilizing obsoleted techniques, that organize family units into compact and isolated order.

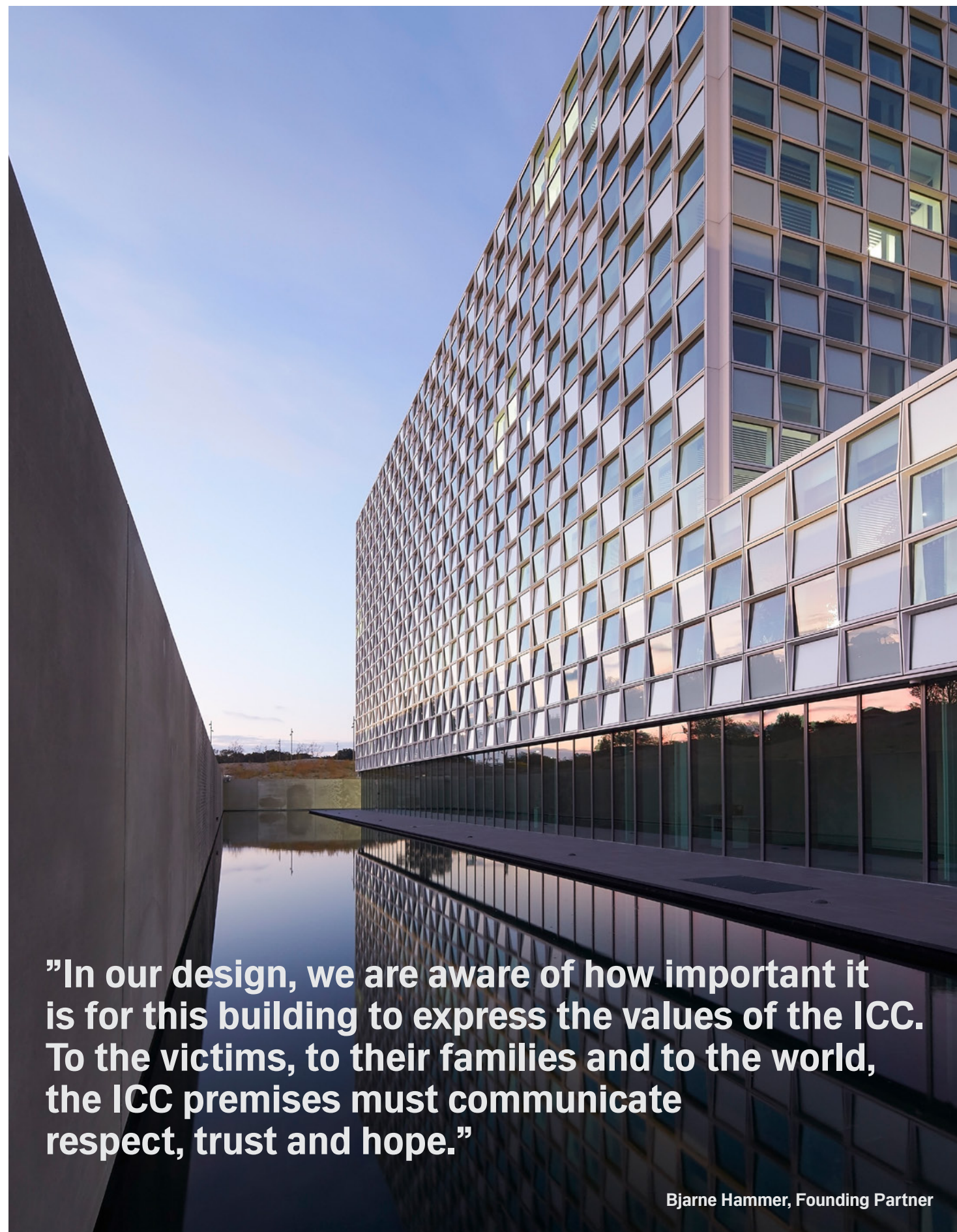
Over time, this type of housing can be prone to become a burden to our cities – both environmentally and socially and may effect degrading of market value. It is crucial to develop a new housing typology that considers the whole environment for a sustainable lifestyle, Sustainable Housing solutions. The total environment for sustainable housing converges three key aspects: environment, community and building construction.

International Criminal Court/ The Hague/ Netherlands/

A landmark for peace and justice



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



“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

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, reflected 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

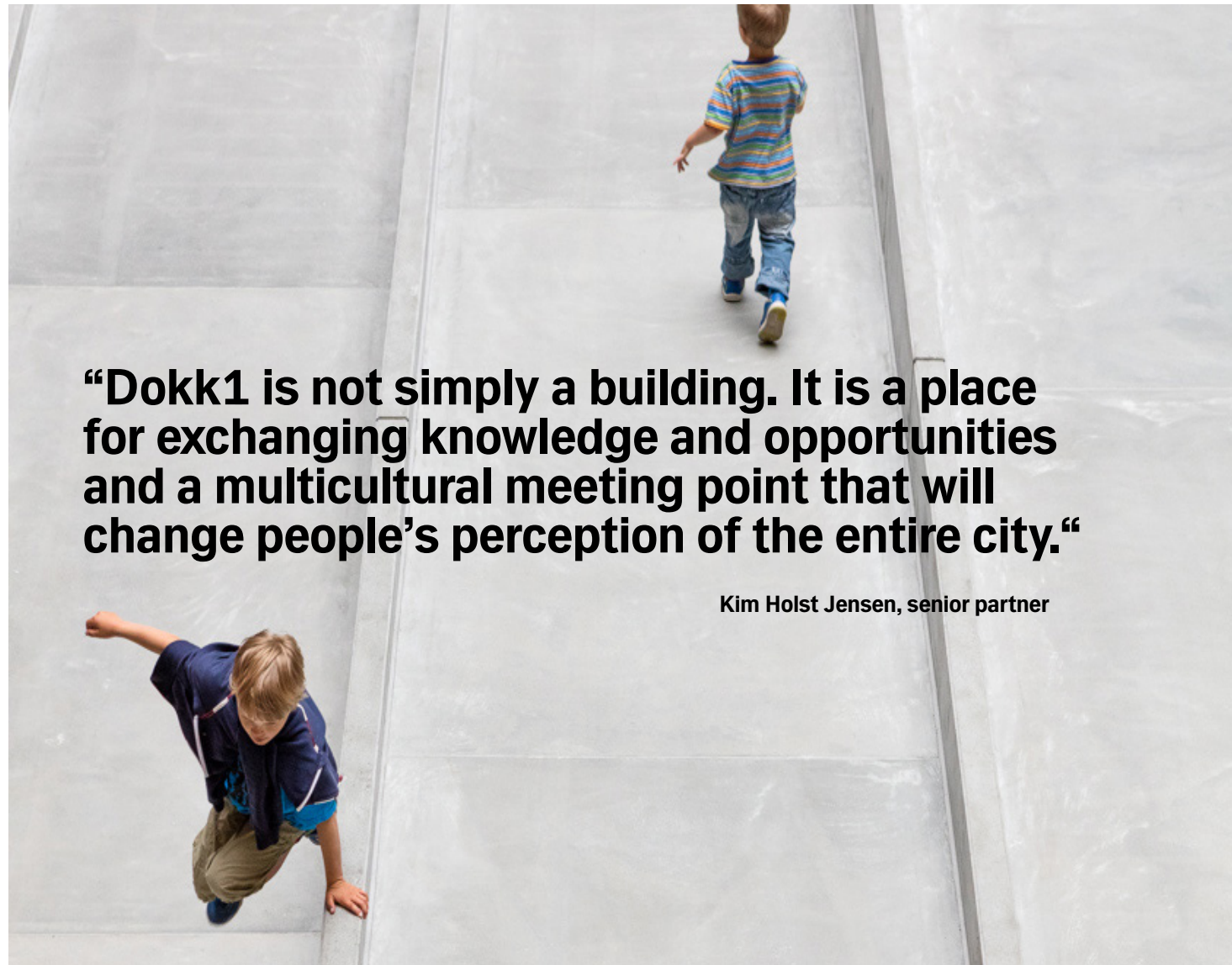
The new headquarters for the ICC is targeting a BREEAM Excellent certification. The complex is part of the local water-win area. Therefore strict local regulations applied for materials, their possible leaching and work during the construction period. Several environmental sustainability measurements 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.

Dokk1/ Aarhus/ Denmark/

Space for change



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 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 Holst Jensen, senior partner

Dokk1/ Aarhus/ Denmark/

Dokk1 opened its doors to the public in 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.

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.

Schmidt Hammer Lassen Architects have extensive experience with library design. The most renowned of these being the extension to the Royal Library in Copenhagen, Denmark, the RIBA award-winning University of Aberdeen New Library in Scotland and Dokk1 in Aarhus, Denmark. In 2018, the new central library in Christchurch, New Zealand, opened. In 2020 the new Central Library in Shanghai, China will open.



Halifax New Public Library / Halifax / Canada

The Library/ Driver of social cohesion

In social sciences, public spaces such as libraries, city halls and culture centres are defined to be cornerstones of the democratic society. These places enable encounters and active citizenship of society. This makes the public building an important facilitator for social cohesion of society, and architecture is a driving part of this.

User involvement/

Schmidt Hammer Lassen and the City of Aarhus received a Best Collaboration Award in 2012 for the extensive cooperation in creating the largest public library in Scandinavia, Dokk1.

The Best Collaboration Award awards 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.

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 throughout the whole process.

Halifax Central Library awarded/

The 14,500 m² Halifax Central Library is the most significant public building to be built in Halifax in a generation, and represents the diverse communities, talents, and creativity of the residents of Halifax throughout the municipality and present this to the world. The library is sited in a prominent position in downtown Halifax.

In 2016, The Halifax Central Library was awarded a Governor General's Medal for its outstanding new civic building design, created by Schmidt Hammer Lassen Architects and local studio Fowler Bauld & Mitchell. The Governor General's Medal in Architecture awarded by the Royal Architectural Institute of Canada (RAIC) and the Canada Council for the Arts celebrates outstanding architectural design in Canada.

The library/ A new generation of public buildings

**PUBLIC
LIBRARY
OF THE
YEAR
AWARD
2016**

AGENCY FOR CULTURE AND PALACES
SYSTEMATIC

Public Library of the Year Award/ 2016

In 2016, the visionary hybrid library project, Dokk1 in Aarhus, Denmark, was announced winner of the Public Library of the Year Award at a prestigious ceremony during the International Federation of Library Associations and Institutions (IFLA) congress in Columbus, Ohio. The international panel of judges recognised Dokk1 as a true library of the future, that embraces new digital developments, user demands, local culture, and a desire to accommodate diverse population groups within an open and functional architectural expression.

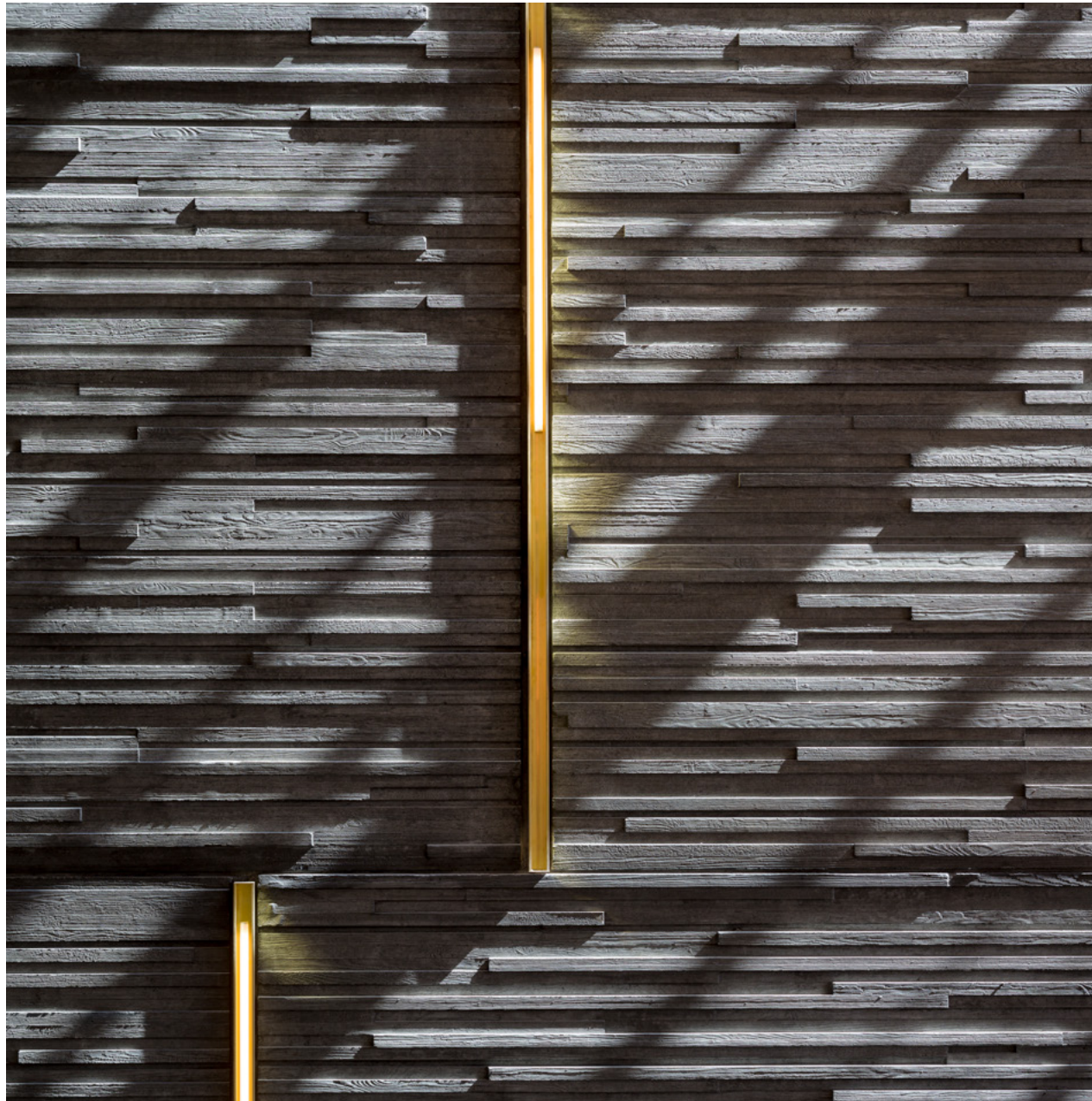
The Dokk1 project also scooped an A+ Popular Choice Award in 2016 in the Library category. The event organized by Architizer brought together an eclectic mix of architects and designers from around the globe.

Malmö Live/ Malmö/ Sweden/

A city in the city



Architect/ Schmidt Hammer Lassen Architects/ **Client/** Skanska Sverige AB/ **Area/** 54,000 m² concert, congress and hotel/ **Competition/** 2010, international property development competition construction 2010 - 2015/
Landscape architect/ SLA/ **Contractor/** Skanska Sverige AB/ **Other collaborators/** Akustikon



The Malmö Live complex in Southern Sweden, was awarded a prestigious 1st prize in the Mixed-use Completed Buildings category at a ceremony during the World Architectural Festival 2016 in Berlin.

The Jury praised the project as a public building in the best sense of the word: open to everyone, inclusive and very democratic: “It’s a real piece of the city and an important catalyst of urban regeneration.”

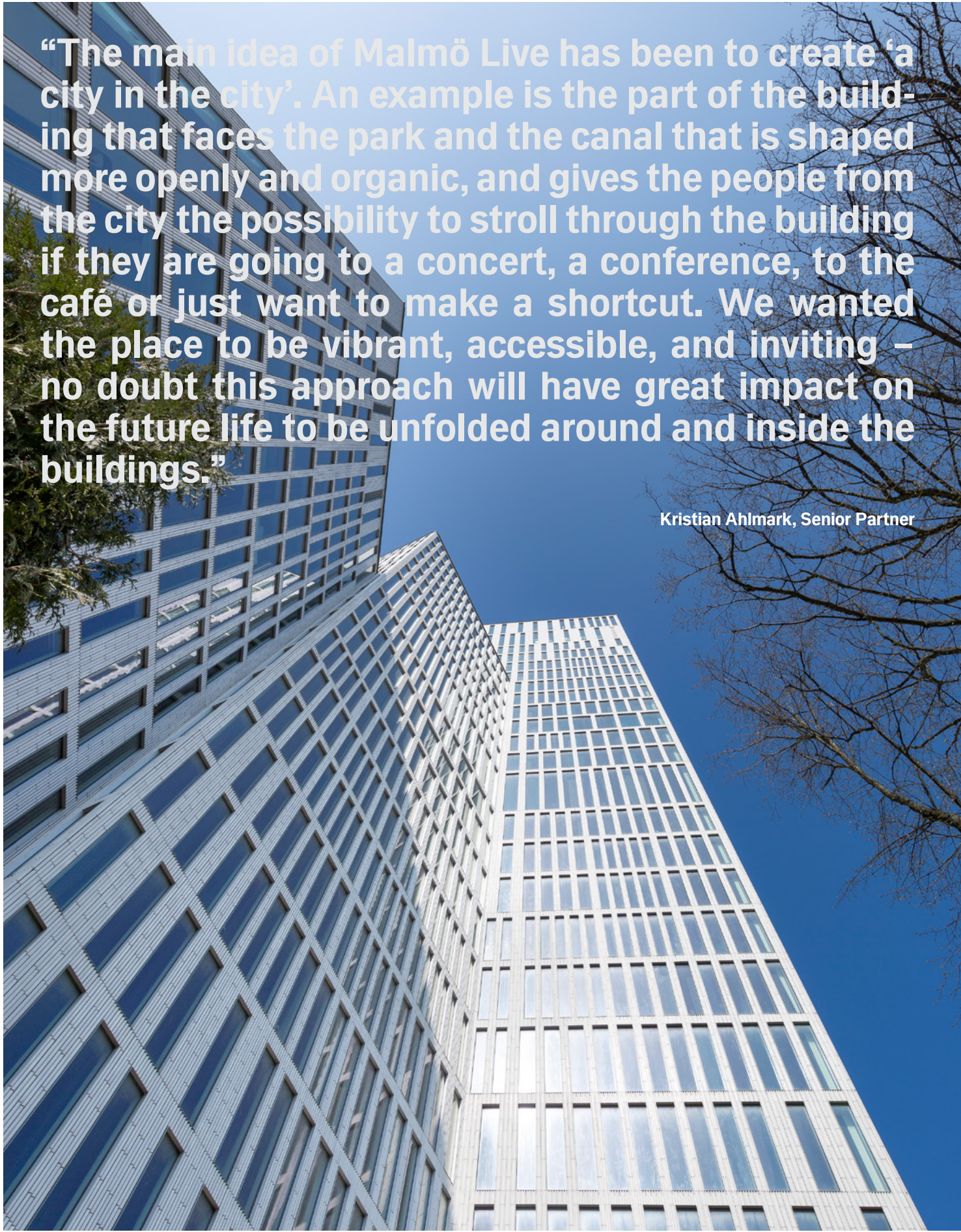


Malmö Live/Malmö/ Sweden/

A city in the city

In 2015 the new 54,000 square metres large concert, congress and hotel complex situated on Universitetsholmen in Malmö was 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 facades 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 building, with a classic loggia-motif facing the plaza in front. 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.



“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

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.

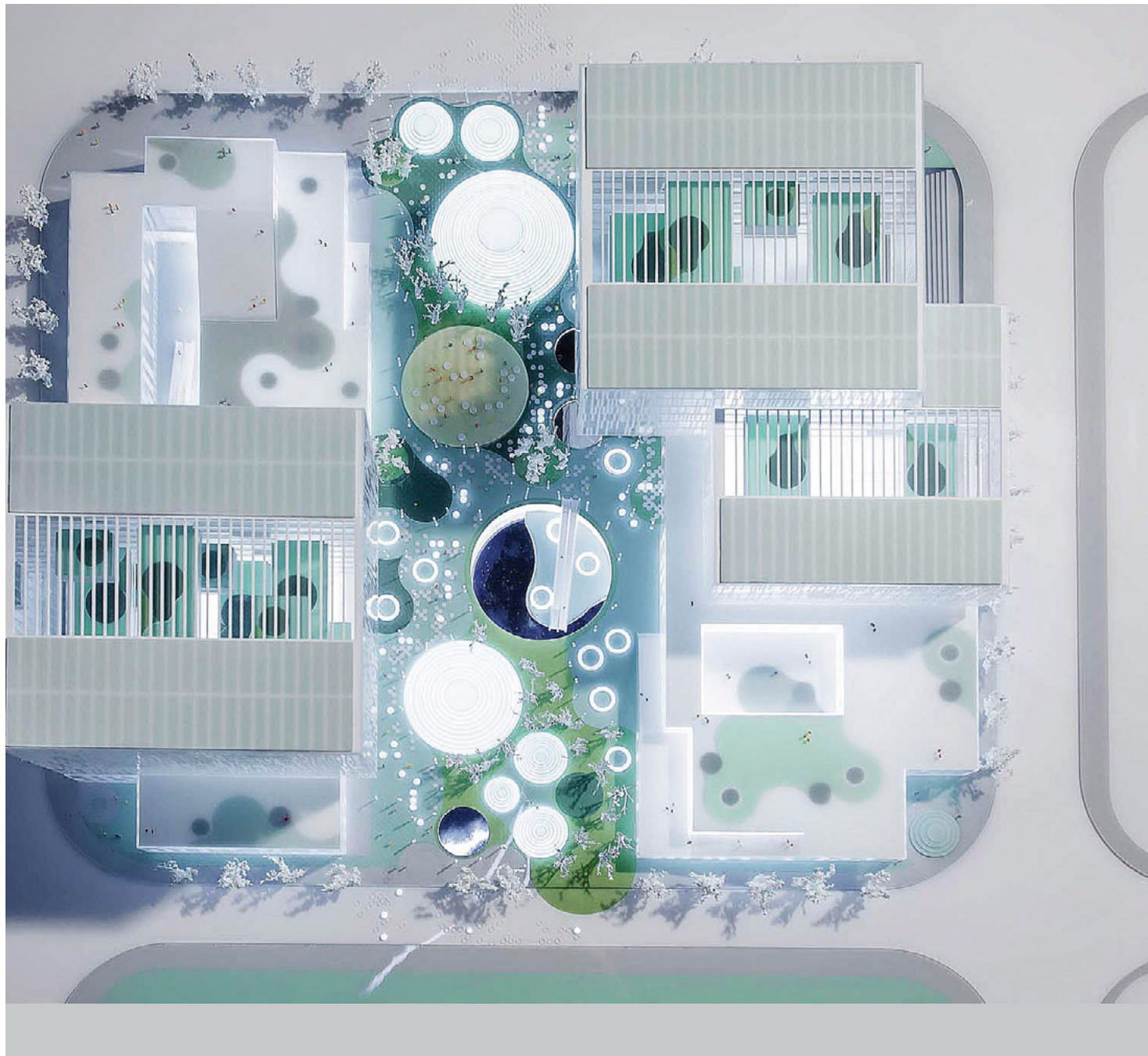
Malmö Live will be certified according to the international Leadership in Energy and Environmental Design (LEED) standard – aiming for the highest level, platinum, in the assessment, which looks at factors like materials, indoor environment, design, and water use. The building also meets the category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

Green Valley/ Shanghai/ China/

Transformation as driver



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



”Despite the monumental scale of the site, the project relates to the human scale in the public spaces, giving a diverse, vibrant and inclusive community.”

Chris Hardie, Partner

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 is part of the new central urban development of 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.

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.

Schmidt Hammer Lassen also won the prestigious competition to design the new 125,000 m² city Library of Shanghai. The main library volume floats above two pavilions that will house a 1200-seat performance venue, exhibition and event space and a dedicated children's library. They will all open up towards a series of landscaped courtyards and gardens.



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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.