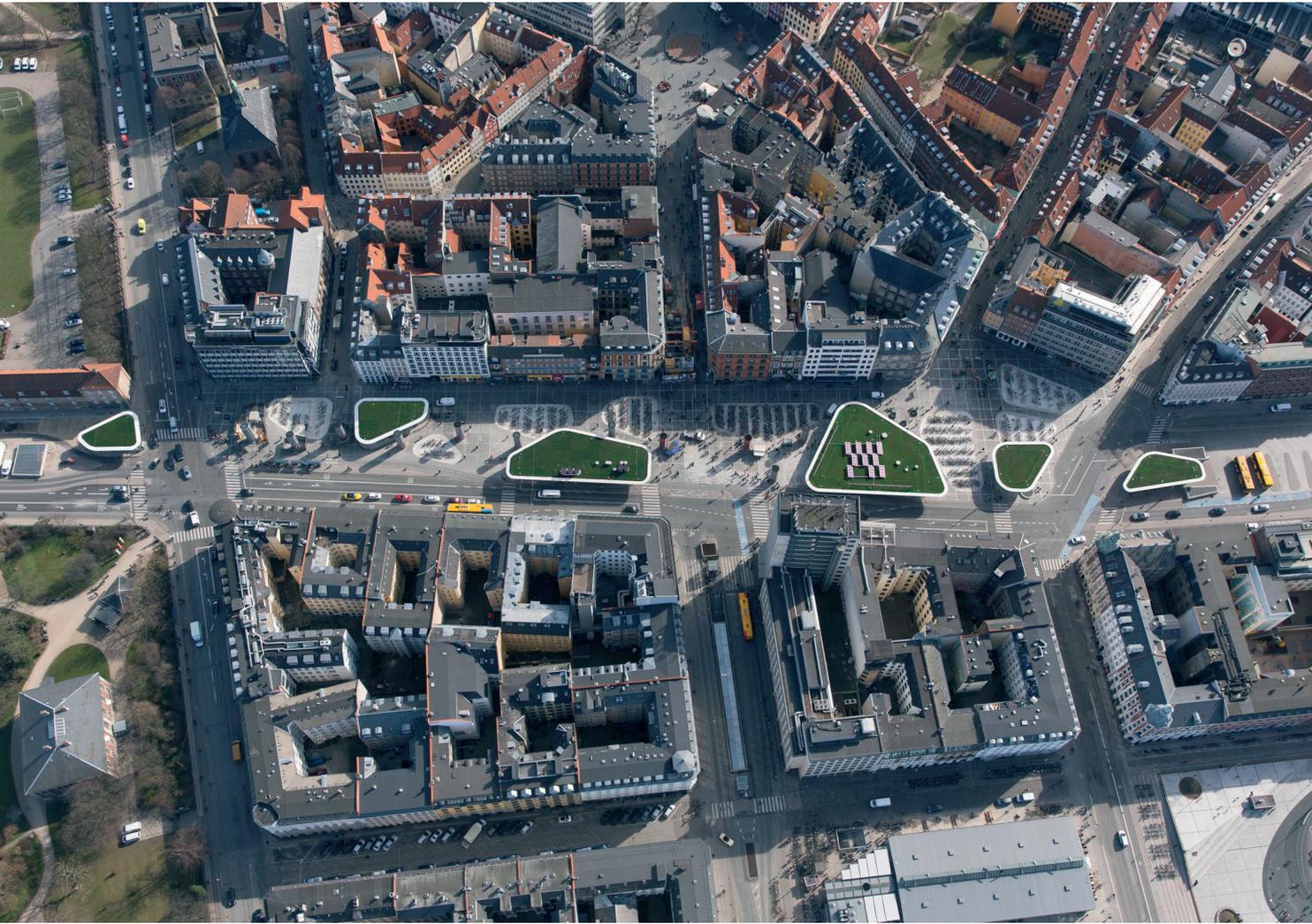




COMMUNICATION ON PROGRESS

2015





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Nørreport Station

Denmark's busiest train station has been transformed to an entirely new and vibrant urban space.

Statement of continued support

In a world that places unprecedented demands on the planet, the need for more sustainable businesses is evident. At Gottlieb Paludan Architects, we focus on the basic functions of society: It is our mission to shape better cities and societies with architecture of the highest technical and aesthetic quality. Working with clients and partners, we seek solutions that are sustainable in environmental, economical and societal ways.

We fully share the goals and principles behind the UN Global Compact and we still find that membership of the UN Global Compact initiative supports and expresses our sustainability ambitions. Therefore, we proudly give our continued support to advance the UN Global Compact.

Copenhagen, July 2015

A handwritten signature in blue ink, appearing to read 'Kristian Hagemann', with a long horizontal stroke extending to the right.

Kristian Hagemann
CEO, Architect MAA
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UN Global Compact Communication on progress 2015

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2. How we advance sustainability
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5. The four global compact focus areas
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Odense foot and cycle bridge

The bridge connects downtown with the expanding harbor area and will make the city of Odense more accessible and attractive for cyclists and pedestrians.



Introduction

In 2014 we developed a new brand strategy that strengthens our focus on sustainability and the common good. The brand mission is captured in the payoff “We shape better cities and societies, beautifully and sustainably.” This mission takes point of departure in our existing business focus, but also sharpens the societal and environmental elements in our business profile. We have spent the last year implementing the new mission, and it has proven a strong framework for understanding and advancing the sustainability aspects of our activities.

In late 2014 we developed and agreed upon a new sustainability strategy that serves to integrate our sustainability ambitions and make them actionable. The strategy is currently being implemented across the business. The development of the strategy has made it more clear to us in which ways we can specifically contribute to advancing sustainable solutions and it also initiates several activities that support our ambitions.

On the following pages we describe in more detail how we advance sustainability through concrete activities, on assignments, and in our professional and organizational development. Finally, we will report on the tangible outcomes of our efforts over the past year.



How we advance sustainability

Central to our sustainability strategy is the understanding of how we contribute to advancing sustainability more specifically in our work. Distinguishing between the three bottom lines of environment, social and economic, we believe that our most significant contributions lie within the first two dimensions.

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Carlsberg City District

At the historic Carlsberg brewery site in the heart of Copenhagen we are currently working on the renovation of an old storage cellar that will be transformed into office space.

ENVIRONMENT

- We contribute to strengthen public transport and cycling, thereby reducing transport-related CO2 emissions.
- We contribute to lowering the environmental impact of construction by proposing building materials, which use fewer resources in production, recycling and disposal, and which last longer, whereby the operation of the building will leave a smaller foot print throughout the building's entire life.
- The least harmful construction is often the recycled construction, and we specialize in renovating and refurbishing. With a combination of architectural design, understanding of materials and respect for the construction and history of buildings, we lift renovation to a level where it can compete with new constructions.
- We integrate climate adaptation and rainwater management in our relevant projects.



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Stengården S-train Station

The refurbishment of Stengården Station was undertaken, among other things, to reduce the energy consumption and improve maintenance conditions.



SOCIAL

- We contribute to strengthen the travel experience in the public train transport through better design of stations and we contribute to increase the accessibility to transport for all citizens.
- We contribute to increase the livability of cities, towns and places through urban development and infrastructure projects.
- We contribute to strengthening the well-being of the peripheral regions through the development of provincial towns.
- We contribute to create social cohesion through infrastructure projects which link city and countryside, suburb and downtown, and thus give more people the opportunity to have a job, get an education and participate in society.

ECONOMIC

- We focus on the overall economy of the building or construction as we pay special attention to the entire lifespan and the use and reuse of materials, thus seeking to create buildings and constructions that are as economical as possible.



Projects

Among the numerous projects that we have worked on over the last year, a number stand out in respect to their potential to advance sustainability.

ENVIRONMENTAL PROJECTS

BIO4: In May 2015 we won the competition to design the new biomass unit on the Amagerværket power plant in Copenhagen for Greater Copenhagen Utility (HOFOR). The power plant will be biomass fired with wooden chips. The vision for the BIO4 power plant is to create a beacon for sustainable heat production and an excursion spot for tourists and Copenhageners alike. Visitors are invited to walk up a long staircase, hanging on the façade of the plant, to a viewing platform, which will also work as an information platform, where visitors can learn more about energy consumption and production as well as sustainability. From the staircase it will be possible to look through large windows into the plant and witness the sustainable energy production.

Marbjerg water works: In March 2015, the new water works in Marbjerg east of Roskilde was inaugurated. Built by Greater Copenhagen Utility (HOFOR), and with architectural design by Gottlieb Paludan Architects, it is the largest new water works in Denmark. It sets a new standard for modern water works as it features state of the art technology and an unsurpassed water safety. Pumps and other energy-driven machines are highly energy efficient and the water consumption and waste on the plant itself has been minimized. In order to avoid a potential pollution of the groundwater going into the water works, HOFOR has purchased the land above the groundwater and established a forest.

S-train stations: DSB and Banedanmark jointly operate the Danish railways, and in order to maintain the value of the S-train stations in Greater Copenhagen, they renovate them on a rolling basis and keep their functional and aesthetic qualities up to date. During the last 12 months we have completed the renovation of 4 stations, and another 6 stations are on their way towards completion. Instead of conducting a simple reparation of the buildings, we give the stations a common and contemporary design profile that take into account the new functional requirements.



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Nørreport Station

The award winning bicycle parking design increases the capacity from 900 to 2100 bikes while at the same time integrating them into the cityscape.

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BIO4 Amagerværket

The deep façade of tree trunks will tell a story about the transition to sustainable energy and offer some unexpected experiences.



Carlsberg City District: On the former Carlsberg brewery site in the heart of Copenhagen, the development company Carlsberg Byen P/S will develop a new city district over the next 15-20 years. Most of the historic buildings will be reused and we are currently working on the renovation of an old storage cellar that will be transformed into office space. The 6.845 m² building is listed.

Scion DTU: The high tech research park Scion DTU north of Copenhagen manages a large number of buildings, some designed by the iconic Danish architect Arne Jacobsen. The latter buildings were in need of renovation in order to rent them out to new members of the research community. So far we have renovated 2.500 m², which are now rented out, and more will follow.

SOCIETAL PROJECTS

Odense combined foot and cycle bridge: With a great potential to advance the societal sustainability, the new combined foot and cycle bridge in Odense was inaugurated this spring and will further strengthen the livability and community development of the third largest city in Denmark. The bridge creates a new connection between downtown and

the expanding harbor area where new education institutions, homes and businesses reside. The bridge will tie the city better together and make the city more accessible for cyclists and pedestrians.

Nørreport Station: Nørreport is the busiest train station in Denmark, and the renovation and reconstruction of it will be completed in the summer of 2015. The reconstruction creates a whole new urban space around the station with enhanced passenger flows, better integration with the city center and extensive but discreet bike parking opportunities. The station communicates democratic values of transparency, accessibility and equality, and it will enhance the travel experience for thousands of passengers every day.



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Odense foot and cycle bridge

The 40 meter tall pylon contributes to make the cycle bridge a landmark in Odense.

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Marbjerg waterworks

The façades feature recessed brickwork, where every other course of bricks protrudes, creating depth and texture.







Professional and organizational development

Professional development

We continue to develop our sustainability expertise. Thus, Søren Gjerlev, architect and project manager in the department of Mobility, has completed the certification as a DGNB consultant within office buildings.

Also, we are planning to offer all employees a course in using the Green Building Council LCA tool for life cycle analysis, which is used both for general calculations of building materials' life and for DGNB certification of buildings.

Last summer, Thomas Brogren was recruited in order to strengthen our expertise within renovation. As an architect, Thomas has a long career in renovation and has managed numerous renovation projects. He also writes and teaches on the subject.

Organizational development

As part of our new sustainability strategy we have now begun to measure our own environmental impact from the use of electricity and heat. We use an industry standard recommended by The Danish Association of Architectural Firms. Going forward, we have an ambition to be able to report on more aspects of our environmental impact, including

water usage and transport. Also, we have developed a new sustainability policy that encourages our employees to save resources as they conduct their business, whether it is use of lighting, printing, or transport.

In order to increase the sustainability aspect of our services we have developed a set of tools and guidelines. The first tool is a screening tool that will enable us to identify sustainability potentials in new assignments. The findings will form a basis for a qualified dialogue with the builder about realizing potential sustainability gains in the project. The ambition is to screen all projects above 5 million DKK in construction costs or above 500.000 DKK in consultant fees.

The second tool is a sustainability management tool that we offer our clients in projects that reveal a potential for sustainability gains. The intention is to pursue and realize sustainability potentials in projects via a structured process that includes an introductory screening, status meetings, and logging of decisions and activities. It is our hope that many of our clients will want to apply this management tool in the pursuit of sustainability gains.



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Biking in Copenhagen

Well-designed cycling solutions can play an integral part to the solution of many of our urban challenges

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Marbjerg waterworks

The waterworks is made up of three interlocking brick-clad volumes which respond in scale and volume to the internal functions.

The four global compact focus areas

Human Rights

Gottlieb Paludan Architects A/S conducts its business in accordance with Danish Law, including the "Funktionærloven", that supports the principles regarding both Human rights and Labor. We take care to uphold the basic principles of general human rights for everybody through all our work.

Labor

Gottlieb Paludan Architects A/S conducts its business in accordance with Danish Law, including the "Funktionærloven", that supports the principles regarding both Human rights and Labor, including the prevention of child labor, forced labor and employment discrimination. All employees have the freedom of association and collective bargaining.

Environment

Anthropogenic climate changes and their impact on our world require the inclusion of new methods and new ways of thinking in the field of architecture. Our work is driven by our belief in the sound business sense of increased focus on ethics, sustainability and holistic thinking, and our goal is to continue the promotion of greater environmental responsibility through our work.

Anti-corruption

Gottlieb Paludan Architects' main activities lie in Denmark and Scandinavia which are traditionally topping Transparency International's list of least corrupt countries. We never encounter corruption in our daily work and will continue to oppose any signs of it.



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BIO4 Amagerværket

The new biomass-fired CHP unit is built as part of Greater Copenhagen Utility and Copenhagen Local Authority's joint ambition to create the world's first CO2-neutral capital by 2025.





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Sustainable Urban Drainage System

SUDS solutions can contribute with aesthetic qualities, make urban spaces greener and be a generator of experiences in the city.

Measuring outcomes

During the past 12 months, we have made progress in the following areas.

Investments in research

We continue to support two business PhD-projects that both have sustainability implications. The first project is driven by Anna Aslaug Lund and evaluates existing solutions within rainwater handling and SUDS. It is due to be completed in September 2016. In accordance with the contract we also enjoy the possibility of using the PhD-candidate and her competencies in ongoing projects, competitions and as an internal expert. Anna distributes her results in various articles and conferences. Among other events, she presented at the UN conference “Future of places” in Stockholm in June 2015.

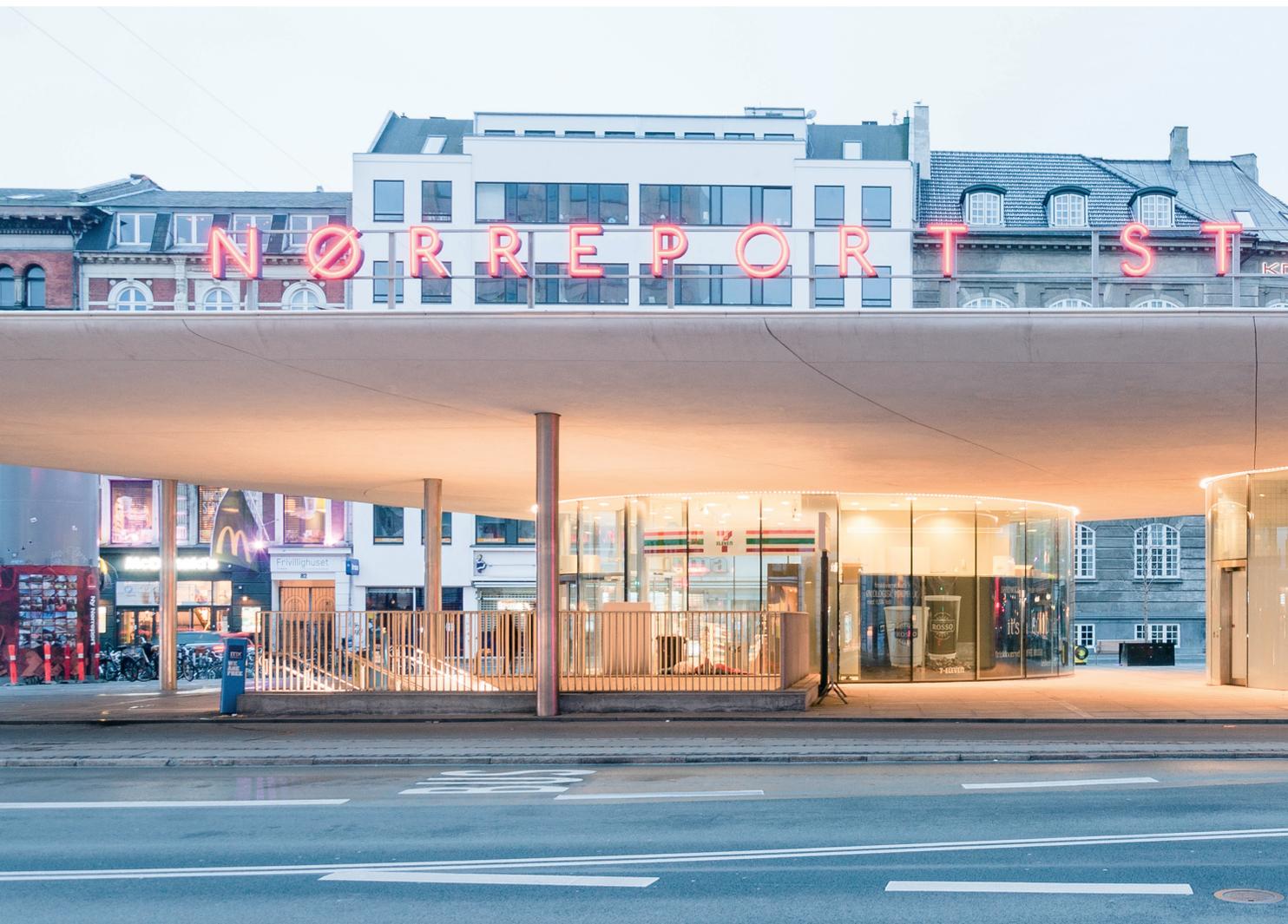
The other PhD-project, that we support financially, is driven by Lars Rolfsted Mortensen. It explores the transformation and potential of worn-down suburban and industrial areas and buildings. It is due to be completed in October 2015. We continue to use the PhD-candidate and his competencies on different projects, including the large transformational assignment in the Norwegian town of Odda.

Screening of new projects

Over the past year we have developed the previously mentioned sustainability screening tool, which is currently being implemented across the business. It is our ambition to screen all new projects (above 5 million DKK in construction costs or above 500.000 DKK in consultant fees) that we have won since April 2015 and onwards.

Our own environmental impact

Based on numbers from our utility supplier, our carbon footprint for heating and electricity for the calendar year of 2014, and for our offices in Copenhagen and Aarhus combined, is 94 tons of CO₂. During the same period the total number of employees amounted to 90 full-time equivalents.



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Nørreport station
*The new design makes the station
transparent, elegant and safe.*



Thus, the average CO2 emission per employee was 1,0 ton in 2014.

Today, our office space is not ideal in regards to saving resources, but we will work to reduce our energy consumption as long as we reside in the current space. We are looking for a new lease, and we expect that a new and more energy efficient office building will contribute to lowering our energy consumption.

We continue to encourage all employees to bike to out-of-office business engagements and this also happens to a very large extent. Most recently we have renewed our bicycle park with four new bikes. However, sometimes our engagements are located out of biking distance, and here we use our company cars. To reduce our carbon footprint we have replaced our old company cars with two new low-emission gasoline cars.



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