



COP 2016

C.F. Møller



Cover: Copenhagen International School – Nordhavn
New school building for the Copenhagen International School designed to link the school premises with the public sphere in the urban environment.

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DECLARATION OF SUPPORT

C.F. Møller Architects has since the beginning in 1924 had a strong focus and social and environmental sustainability and we are happy to say this focus has only increased over the years.

C.F. Møller has been a big part of building up the welfare states in Scandinavia and exporting the ideas of social and environmental sustainability worldwide since 1924.

We constantly strive to innovate new methods to deliver long-lasting architectural solutions for the benefit of our clients, the environment and not only the users of the building but also the local surroundings rooted in a strong ambition to set new global standards.

Examples of this in 2016 are our increased use of wood and timber in buildings, education of more staff to use DGNB and an enhanced holistic approach to architectural solutions fortifying local integration with a global impact.

With this 2016 COP, the management of C.F. Møller Architects, again proudly wishes to express their continued support for the UN Global Compact and its 10 principles.

Sincerely Yours,
The partnership of C.F. Møller

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HUMAN RIGHTS

At C.F. Møller Architects, the key to a sustainable and great working space, great facilities and strong relations is to run the company on the principles of human rights. We comply with European laws protecting human rights.

At C.F. Møller, we make sure to protect our employees from workplace harassment, physical, verbal, sexual or psychological harassment, abuse or threats through clear and strong internal policies.

We provide safe, suitable and sanitary work facilities. This goes for our own departments in Denmark, Norway, Sweden and England, but is also of great importance at construction sites. We also make sure to only use sub-consultants and collaborators who work by the same principles and policies as we do.

We try to spread our knowledge and experiences on human rights to the entire industry.

That is one of the reasons why we are members of the board in the new association that develops and promotes social responsibility in the Danish property and construction sector, The Danish Association for Responsible Construction (*Foreningen for Byggeriets Samfundsansvar*).

When we work in countries outside the EU, we strive to describe and refer to binding legislation and human rights laws that must be taken into account. We emphasize the importance on safety of the work to be performed and on ensuring that work is performed in accordance with the human rights proclaimed by the United Nations.

Policies: C.F. Møller Architects supports the UN Declaration of Human Rights. We support all current legislation ensuring equal treatment in relation to human rights. We have a formulated CSR policy which can be seen at www.cfmoller.com.



LABOUR

At our six branch offices, we comply with national laws and regulations governing health and safety, organisation, working conditions, working hours, salaries, child labour and forced labours.

We constantly monitor any problems in the health and safety of our employees, and develop new solutions to improve working conditions at our offices.

At least every three years, and currently in 2017, we conduct a workplace assessment (WPA) at our offices in Denmark. This means amongst other things that we evaluate the working environment and any stresses, the employees may be exposed to – physical as well as psychological. The results are analysed and shared with the entire organisation at practice meetings, and plans of action are implemented to solve any problems.

We focus on ensuring a working environment that protects and keeps all employees safe. Our statistics on work injuries show that our efforts do work, and in 2016 we only registered one case of physical work injury for less than two days. We had no cases of work injuries lasting for longer than two days.

To safeguard young people working in our offices we have a policy to ensure fair wages for everyone including students. In our field of work, we receive portfolios every week from students who wish to work without payment. We do not think this is a fair way for young people to enter into the world of architecture and we therefore ensure that they receive proper reimbursement for their work and talents.

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ENVIRONMENT

C.F. Møller Architects keeps focusing on making the world more sustainable through our local projects setting new global standards and advocating sustainability in all our relations.

In this way C.F. Møller's contribution to an increased sustainable environment reaches much further than the location of our offices as a central part of our integrated design approach which seamlessly blends urban design, landscape, building design and building component design.

To strengthen this even more we have through 2016 worked on describing our values starting with our vision to improve life for people and planet and our aspiration to be global influencers by caring for the local context based on innovation, quality and sustainability. This is now an important part of the very basis for our work and the way we act. Also, we have made an elaborated version of Code of Conduct based on the principles from UN.

This makes us global drivers of a more sustainable world through our projects and through sharing our knowledge in the medias, at conferences and through education.

CLT Front Runners

This is the case with CLT (Cross Laminated Timber) where we have increased our work. Both in more projects in Denmark and Sweden and sharing this specific knowledge on TV, in magazines and newspapers all over the world. Also, we are a part of a national research team in Sweden seeking to constantly push the edge of the envelope of what is possible with CLT.

Educating in Sustainability

In London we have completed a Low Carbon Energy Centre. The Energy Centre is the largest new built residential heat network in Europe, saving more than 20,000 tonnes of carbon every year. The building footprint further allows for flexibility in adopting new energy technology over the building's substantial lifetime.

Also, the centre has a strong focus on transparency and insight in the heat production to educate people through a visitors' centre.

Education is also a significant part of our Copenhagen International School which is the most sustainable international school in Denmark. It has gained worldwide attention with its façade cluttered by 12,000 solar panels planned to deliver half of the energy consumed by the school. This very visual mark of sustainability plays an important part in educating the pupils to act more sustainably correct, and sustainability is now a part of their curriculum.

Acknowledged for Working for the Common Good

We have received numerous awards and acknowledgments for our work with creating architecture and spaces for the common good with a strong focus on social and environmental sustainability.

In Aalborg our work with the waterfront creating a new recreational space for everybody in the city and for turning a tired neighbourhood into a flourishing housing complex with a varied population and for everybody to afford keeps being awarded and mentioned all over the world. The same goes for our just completed ferry terminal in Stockholm – an innovative cross between infrastructure and urban park for everybody in a new urban space in Stockholm.

DGNB drivers

As a part of the DGNB Association in Denmark we are a driver of making DGNB the industry standard and we keep proposing the standard to our clients and educate our employees in using DGNB.

In this way we keep increasing focus on working with DGNB-certified buildings for the State, the Regions of Denmark, and for local awarding authorities as well as for more and more private clients. As a part of this work we participate in conferences worldwide with lectures on the benefits from DGNB.

Green Influencers

An important part of work promoting sustainability comes from seeking influence through relevant networking. As a result of that we are Board Members of Green Building Council Denmark, The Danish Association for Responsible Construction and the Danish Association of Architectural Firms.

C.F. Møller Architects keeps being involved as research partner in the development of new sustainable high insulating bricks such as “the CleanTech-block” with Egernsund Tegl and the “Turtlebrick Project” with Technological Institute.

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Architecture With Added Value

The Danish Association of Architectural Firms has in 2016 chosen two of our projects as great examples of how good architecture adds value to the environment and people using it. One project is the A.P. Møller School. The school's interior openness and organization provides a starting point for modern, democratic teaching in a varied educational environment.

The other project is Aarhus gymnastics and motor skills hall – an extension of the Aarhus Gymnastics and Trampoline Hall. The idea of the extension has been to design a hall which motivates the 3-10-year-olds to practice movement. The hall also invites movement through its many footbridges and platforms located along the length of the hall, and flexibly furnished zones called kangaroo land with trampolines and jumping equipment, and a so-called monkey land with ropes and jungle-like density.

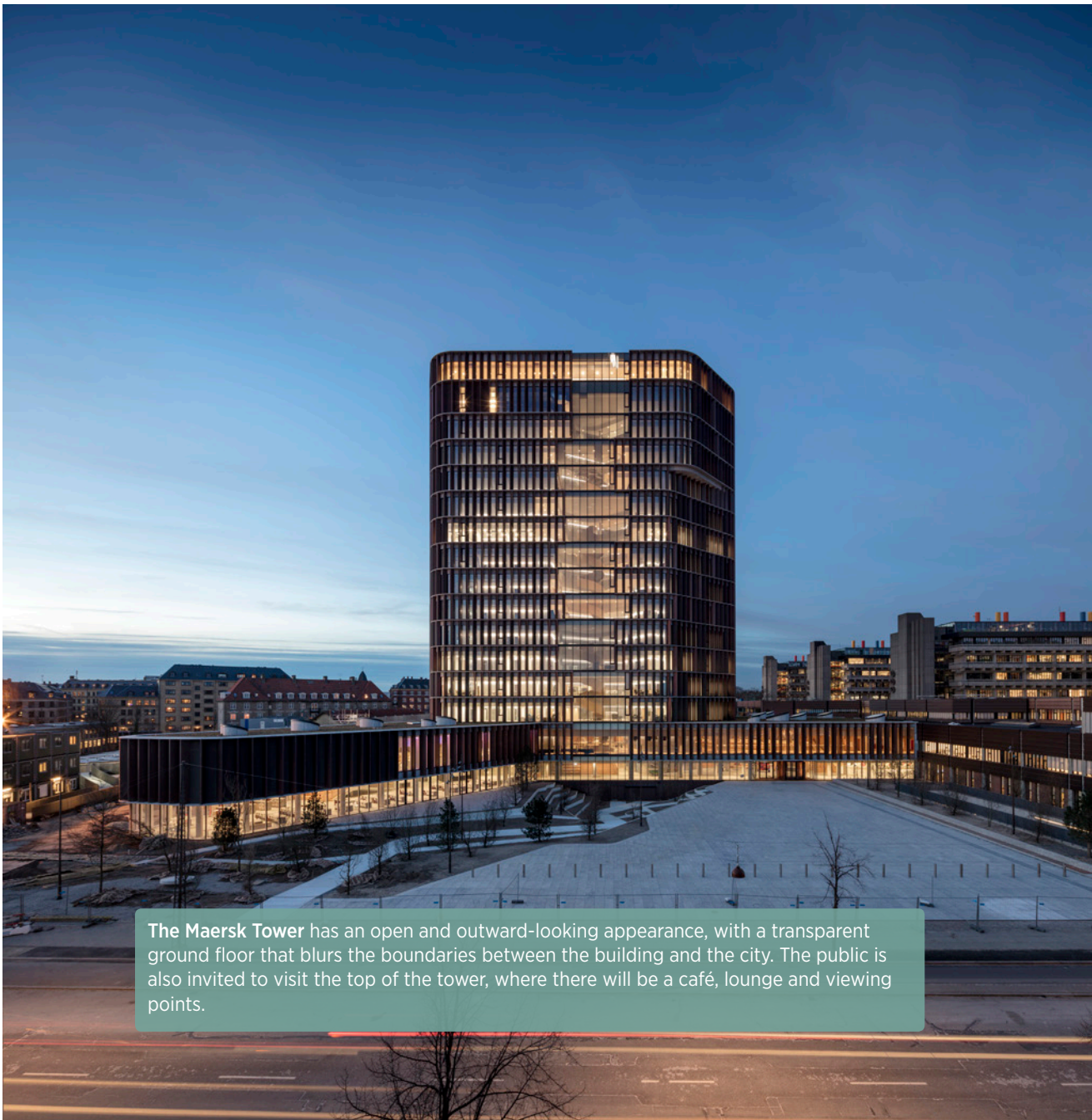
The Common Right to Space

C.F. Møller has been a part of the Biennale in Venice called “The Art of Many – The Right to Space” focusing on the common right to space and housing of high quality. A natural place for C.F. Møller to be present as we are constantly striving for a democratic architecture bringing people together and having been a major part of developing Scandinavian Welfare societies through almost a 100 years.



Värtaterminalen,
the city of Stockholm's new ferry terminal, stands out as landmark for social and environmental sustainability. It functions both as a new urban park for people to engage socially and bring life to a complete new urban area in Stockholm and infrastructure securing a safe and destination for more than 4 million passengers a year.





The Maersk Tower has an open and outward-looking appearance, with a transparent ground floor that blurs the boundaries between the building and the city. The public is also invited to visit the top of the tower, where there will be a café, lounge and viewing points.

ANTI-CORRUPTION

We are committed to fight corruption and it is at the heart of our core values to never accept corruption of any kind.

We have signed off on the principles of the UN Global Compact values and our company policies reflect this charter. We therefore have a

strong focus on Corporate Social Responsibility in all of our business, and we have committed all our employees to the following guidelines:

- We ensure, that all our employees are working within the confinements of the law
- We ensure that all our workers have a working agreement which safeguard their rights
- We analyze our projects to assess whether they can entail specific risk of breaching the Global Compact principles and we take action to avert the breaking of these principles
- We offer our clients to take randomized test of building materials on the site of production to ensure there are no breeches of the Global Compact Principles

In 2017 we have updated our Code of Conduct policy including measures and guidelines to prevent corruption.



110 Architects | 66 Trainees | 41 BA Arch. Tech. & Const. Management | 23 Administration etc. | 17 Branch Heads/Leaders | 14 Engineers | 12 Technical Illustrators/ Assistants | 10 Landscape Architects | 9 Partners | 7 IT | Designers 6 | 5 Healthcare Consultants



152 in Aarhus | 78 in Copenhagen | 42 in Stockholm | | 25 in London | 17 in Aalborg | 14 in Oslo



233 Danes | 37 Swedes | 13 Norwegians | 8 Britons | 5 Spaniards | 5 Poles | 4 Italians | 2 Icelanders | 2 Irishmen | 2 Syrians | 2 Slovak | 1 Lithuanian | 1 Romanian | 1 Swiss | 1 German | 1 American | 1 Bulgarian | 1 Mexican | 1 Portuguese | 1 Canadian | 1 Croat



137 women | 191 men

December 2016

EQUALITY AND DIVERSITY

Diversity is the cornerstone of an inclusive and creative high performing workplace.

Women currently make up 42,24% of our workforce and 45% of our office managers in Denmark. C.F. Møller is continually looking for ways to safeguard equality and diversity in order to continue being an Equal opportunity employer. For example, we seek to have at least one woman among final three candidates for any management position.

C.F. Møller adopts a zero-tolerance stance against discrimination of all kinds. We encourage employees to report any incidences that they come across. C.F. Møller did not register any alleged discrimination cases in 2016.

Our Board of directors consists of 6 members where 4 are recruited from our group of Senior Equity Partners and 2 are employee representatives.

In 2015 we set out a goal to recruit two woman member by 2020 and we have not yet reached this goal. Our board now consists of 3 male and 1 female Senior Equity Partner, as well as 2 male employee representatives.

C.F. Møller already comply with the 60-40 division between men (40%) and women (60%) at the senior managerial level and 60% men and 40% women at the middle management level, and therefore the company is not required by law to have an equal opportunity policy for the managerial levels of the organization.

C.F. Møller currently employ 328 people with 21 different nationalities. We encourage our managers to employ with diversity in mind as we experience that this is beneficial to our workplace environment and gives benefit to our projects.



A growing need for renewal in the construction industry as well as new knowledge about the possibilities of building with industrial wood has created the foundation for innovation and sustainable constructions. It was the curiosity within C.F. Møller that inspired the team to develop the 34-floor wooden apartment building for HSB.

SELECTED SUSTAINABLE PROJECTS

C.F. Møller Architects strives constantly for new and innovative architectural solutions to improve life for people and planet. Here follow a few examples focusing on social and environmental sustainability that has gained international attention.

Building in wood

Wood is the natural choice when it comes to materials for innovative residential development: It is an environmentally friendly and durable material which creates a comfortable and healthy indoor climate and, surprisingly enough, also constitutes a very efficient protection against fire. Timber is a renewable material, with low energy consumption and a limited carbon footprint.

We have increased the use of wood in building design from a wooden high-rise in Stockholm over a Timber Town and another high-rise. We are contributing to spread the knowledge of wooden buildings as a member of a Swedish national research team and by participating in interviews and conferences worldwide.

Wooden high-rise in Stockholm

The pillars and beams of the 34 storey high-rise will be constructed using solid and cross-laminated timber and inside the apartments floors, ceilings and window frames will be made from wood, allowing the material to also be visible from the outside through the large windows.

Timber Town

Örnsro Timber Town will be a destination and a vibrant quarter of Örebro, with a clear idea of how to enrich the city's social networks by integrating nature into the urban landscape.

The residential buildings interact with an urban city park including a variety of activities and plazas for social meetings and recreation. The buildings in the district will be created with solid timber frame structures, and will contribute positively to the overall lifecycle perspective of the project.



22-storey high-rise with a panoramic garden

The high-rise building marks a characteristic landmark for the entire district of Lilludden. The three-dimensional facades and a green panoramic garden on the 15th floor overlooking the city and Lake Mälaren characterize the architecture.

C.F. Møller proposes that the frame is executed as a hybrid between solid wood and concrete. Concrete is the loadbearing construction up to the 15th floor at the panoramic garden, and above this level the remaining 7 floors will be framed in solid timber, making the best use of the two different materials.

The facades are covered with undressed wood, which is weather-protected by the overlying balconies on each floor. The balconies can be closed and serve as winter gardens with the possibility of growing crops and extend the seasons throughout the year.

The building's ground floor will make room for restaurants and business premises facing a sun-drenched square. The outdoor space of the square will include a generous plant wall and green areas, and together with the panoramic garden at 15th floor this is part of C.F. Møller's strategy to integrate plants, green areas and ecosystems in the urban landscape.

Copenhagen International School

Copenhagen International School is designed to link the school premises with the public sphere in the urban environment, and give the school an open ambience. The promenade outside the school will become an urban port-side space providing opportunities for relaxation and various activities. The school building's unique facade will be covered in 12,000 solar panels, each individually angled to create a sequin-like effect, which will supply more than half of the school's annual electricity consumption.



Copenhagen International School, Nordhavn

The school building's unique facade will be covered in 12,000 solar panels, each individually angled to create a sequin-like effect, which will supply more than half of the school's annual electricity consumption.

The solar cells will cover a total area of 6,048 square meters making it one of the largest building-integrated solar power plants in Denmark.

The school lives up to the 2020 environmental building codes/requirements and sustainability is a part of the pupil's curriculum.

**The Campus Hall,
University of Southern Denmark**

The design of the new student housing for the University of Southern Denmark in Odense is based on a strong community spirit.

The 250 student residences are located in three interconnected 15-storey buildings. The dorm rooms are located on the outer faces of the three towers, where they all enjoy views of the

countryside without overlooking neighbouring rooms, due to the building's turns and twists. Each room has a private balcony, which both helps make the homes attractive, but also has an environmental function: The shading internal balconies help manage solar gain, contributing to significant energy savings.

The Campus Hall is a low-energy construction made from quality materials that meets the strict Danish codes for low-energy class 2020 and gives priority to public transport and cycling – a bike for each resident is provided. The building's overall energy concept is based on the optimization of passive design parameters such as shape, orientation, adaptation to climatic conditions, daylighting, ceiling heights and structural thermal mass, as well as a highly insulated and airtight building



envelope, use of natural cross-ventilation, and extensive heat recovery from exhaust air, waste water and showers.

The surrounding landscape is designed in accordance with principles of sustainable use of resources, where soil balance, precipitation and wildlife habitats are considered in a recreational hierarchy of managed areas and wild nature.

City to the water

“City to the Water” is a far-reaching urban development project. It sets out to open up the city centre of Randers, Denmark, to the water and connect the medieval city with its surrounding nature, including the Gudenå River and the Randers Fjord.



The heart of the project has been to find and disseminate the different potentials and synergy effects in the tension field between urban life, nature, climate adjustment, traffic and overall finances. The overarching aim is to make Randers an even more enjoyable city for residents and visitors.

Few Danish cities have an as striking countryside lying right by its feet. In the future, the aim is to supplement the city centre with a variety of nature experiences and activities that bind the town closely to the water, opening up new residential, recreational and activity opportunities. First and foremost, the countryside and the water must no longer be a barrier, but turned into a unique resource.

As an urban development project, the new aspect of “City to the Water” is the thorough analysis of various development scenarios. They are created with a view to both urban planning and overall finances. In this way, the consequences and opportunities of various visions are actually comparable at an early stage, before the dreams take hold.

As a consequence of this completed analysis, the Municipality of Randers has now been able to choose an unforeseen and innovative path of future development, which includes turning one of the former port basins into a “lagoon” that can handle vast amounts of urban stormwater, while providing completely new

living qualities and infrastructural connections. This has proven the success of the method in creating value far beyond the traditional scope of masterplanning, and in unlocking the full potential of the cross-disciplinary approach.

Värtaterminalen

Värtaterminalen, the city of Stockholm's new ferry terminal, stands out as landmark for social and environmental sustainability. It functions both as a new urban park for people to engage socially and bring life to a complete new urban area in Stockholm and infrastructure securing a safe and destination for more than 4 million passengers a year.

The passenger part of the terminal is raised to be at level with the urban zone, so it is easy for both pedestrians and traffic to access. At the same time the roof of the terminal building is designed as a public park. Solar energy and geothermal heating/cooling are provided via the building's integrated systems, making the terminal possible to be self-sufficient in energy. Värtaterminalen will receive the environmental certification level Gold.

The Maersk Tower

The Maersk Tower is the University of Copenhagen's super modern research facility. The Maersk Tower has an open and outward-looking appearance, with a transparent ground floor that blurs the boundaries between the building and the city. The public is also invited

to visit the top of the tower, where there will be a café, lounge and viewing points.

Between the buildings, new plazas rises, together with internal garden spaces equipped with alcoves and seating. These functions as an extension of the study rooms and offices and new green oases to the city. A campus thoroughfare passing through the area, together with pedestrian and cycle paths, will create a vibrant urban park with intimate links to the surrounding city.

The facade has been innovatively constructed from fixed and moveable shutters that track the sun as it moves. The moveable shutters are made of transparent expanded metal and keep out much of the heat from the sun. The result is a comfortable and sustainable. The effect of the vertical shutters fixed to the building and its rounded corners is to reduce the effects of wind.

The tower is Denmark's most energy-efficient laboratory building. Together with the rest of Panum, the building is supplied with cold sea water from the Port of Copenhagen which serves as a eco-friendly district cooling system to cool autoclaves, the air conditioning system, server rooms, etc.

Low Carbon Energy Centre

The Energy Centre is the largest new build residential heat network in Europe, saving over 20,000 tonnes of carbon every year.

The 3000 m² Low Carbon Energy Centre is a highly visible and important new landmark that demonstrates the applicants' and stakeholders' commitment to sustainable and affordable energy for all.





Systematic use of the working method called “Knowledge and Evidence-Based Design” has allowed the concept of “healing architecture” to influence every decision concerning the physical design of the hospital. From the layout of the single-bed wards, the use of daylight and the flow of light in all of the hospital’s rooms, to the design of the landscape and garden areas around the hospital.

Responding to a cross-party drive to increase the use of Combined Heat & Power (CHP) across the UK and to realize a vision of decentralized energy power generation in London, the Greenwich Peninsula Low Carbon Energy Centre houses technically advanced boilers and CHP that provide heat energy to the businesses and homes due to be built on the Peninsula in the coming years and is part of the Peninsula’s Sustainability Strategy.

The 3000 m² Low Carbon Energy Centre is a highly visible and important new landmark that demonstrates the applicants’ and stakeholders’ commitment to sustainable and affordable energy for all.

To demystify the process of energy generation, the Energy Centre’s machine room and flexible ancillary office accommodation is supplemented with a Visitor Centre offering an interactive educational experience for prearranged groups of visitors. Construction started in 2015, and was completed in 2016. The building footprint further allows for flexibility in adopting new energy technology over the building’s substantial lifetime.

Hospital City on a Human Scale

The New University Hospital in Aarhus’ architectural starting point is people, with the human scale as its measuring gauge.

It is a pioneering project both in Denmark and internationally when it comes to the concept of “healing architecture” in the healthcare sector. Systematic use of the working method called “Knowledge and Evidence-Based Design” has allowed the concept of “healing architecture” to influence every decision concerning the physical design of the hospital. From the layout of the single-bed wards, the use of daylight and the flow of light in all of the hospital’s rooms, to the design of the landscape and garden areas around the hospital.

Large, newly-established rainwater lakes will create densely vegetated, recreational meadow areas that are accessible for the hospital’s users and local residents. Car park areas will be connected with trees. The hospital’s many large courtyard spaces are designed as fertile, green gardens. The gardens fulfil patients’ need for calm, recreation and restitution close to the individual hospital departments, and offer spaces for relatives and staff to pause for thought and rest.

The New University Hospital is a low-energy building design, which in addition features 3.300 m² of solar cells delivering approx. half a million kWh of power per year, a refined sustainable urban drainage concept which includes 18 ha of new public landscape with woods and lakes, and an innovative new concept for pre-purifying wastewater from the hospital to filter out medical residues.

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C.F. Møller Architects' core business is to create long-term surroundings which are sustainable for both people and the environment, and which, in their social, environmental and economic aspects, create maximum benefit and shared value for our most important stakeholders.

C.F. Møller