



WWW.CFMOLLER.COM

COMMUNICATION ON PROGRESS



C.F. Møller

CONTENTS

About C.F. Møller 4

Declaration of support..... 6

C.F. Møller’s Code of Conduct..... 8

Environment 28

Case: HSB Landmark Stockholm..... 36

Contact..... 46

ABOUT C.F. MØLLER

C.F. Møller Architects is one of **Scandinavia’s oldest and largest architectural firms**. We work within a broad spectrum of disciplines – architecture, landscape, urban planning, interior design, health service planning, management and product design. We have a staff of 348 people in our offices in Aarhus, Copenhagen, Aalborg, Oslo, Stockholm and London.

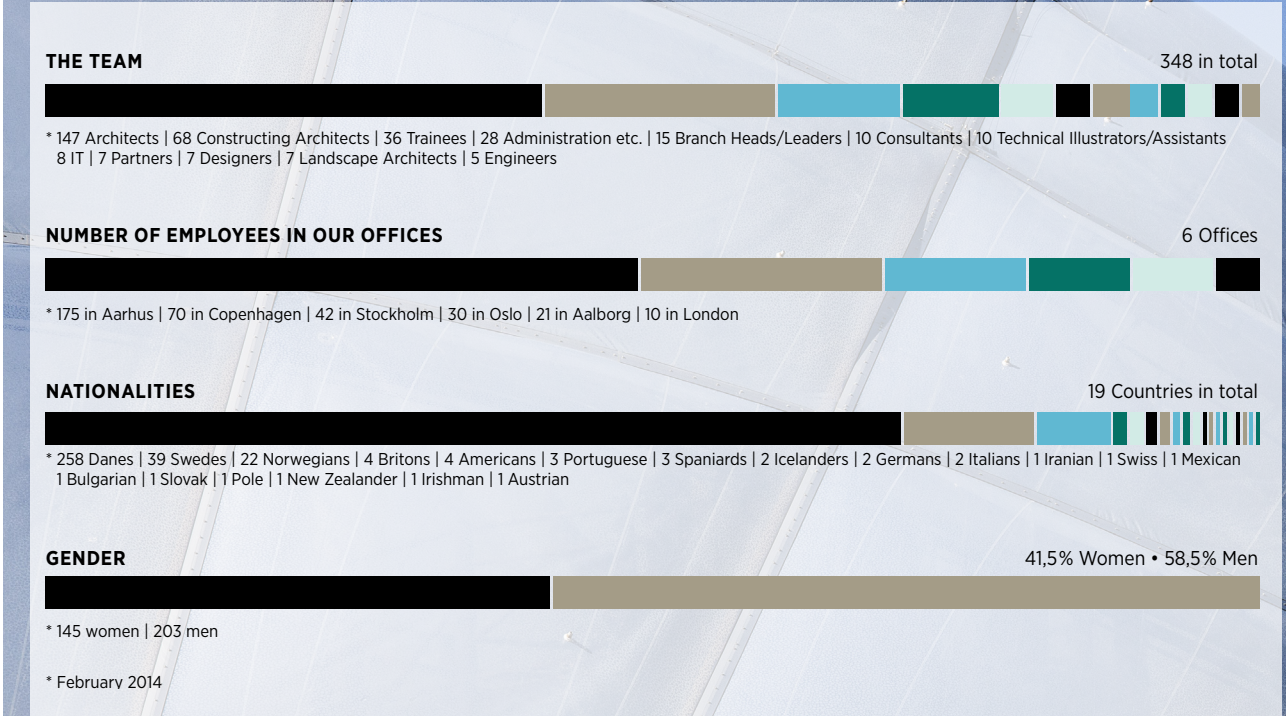
For almost 90 years, **C.F. Møller Architects** has helped to shape the **Danish and Nordic welfare societies**. We have developed spaces and buildings for hospitals, universities and schools, the public administration, master plans and housing, with a constant focus on social innovation through architecture.

The goal of C.F. Møller Architects is to **be at the cutting edge in the sustainable agenda**. We aim to provide the most qualified knowledge in the field, and the best advice for our customers.

At C.F. Møller, accountability is a part of everyday life, and is integrated into the way we work. C. F. Møller Architects was the first major architectural practice in Denmark to have introduced an **environmental management system**, and was certified in 2009 under the international ISO 14001 standard. This certification documents the practice’s active efforts to minimize the environmental effects of all of its processes and services.

In 2013, C.F. Møller extended certification to all our departments abroad. It was of course adapted to local conditions.

We believed it was important to spread **environmental certification throughout the group**. Certification is a professional management tool which we use at our premises at six different addresses in four countries, to measure progress and promote our sustainability agenda.



DECLARATION OF SUPPORT

At C.F. Møller we support the Ten Principles of the UN Global Compact and send a clear signal to our customers, employees and partners that **we take corporate social responsibility very seriously**. As advisers we are responsible for ensuring that the architectural context is ethically, environmentally, financially and socially sustainable and therefore progressively beneficial for mankind, the community and the environment. We are also keen constantly to remind ourselves that sustainability work is a process, on which we can consistently improve.

Since the turn of the century, C.F. Møller has maintained strong focus on **environmental sustainability**: In our sustainable present and future, society continues to require that we apply new materials, technologies and complex architectonic methods to the building context. As architects, we believe that our key opportunities and obligations therefore lie within the

confines of principles 7, 8 and 9 – i.e. the environmental principles of the UN Global Compact. In project planning and in describing buildings, we have a duty to advance the development of sustainable principles.

Meanwhile, there is a growing need for other **CSR tools** which encompass fields beyond the environmental principles, such as anti-corruption, labour market conditions and human rights. These are needed in relation to international and domestic assignments alike. Since 2010, C.F. Møller has therefore developed tools and procedures to deal with these issues. In 2011, we drew up a draft CSR policy. In 2013, we have prepared a **comprehensive CSR policy** – a Code of Conduct and a number of tools to help us to integrate CSR into our projects.

One such tool is our Supplier's Declaration. Through the branch organisation Danske Ark (the Danish Association of Architectural Firms), we have

helped to develop this tool for architects generally. In future we will be asking more of our clients to sign the **Supplier's Declaration**, which obliges contractors and sub-contractors on individual construction projects to comply with the principles of the UN Global Compact.

We now have **a complete box of tools** to support the ten principles of the UN Global Compact and we are proud to be able to present the C. F. Møller Code of Conduct in this Progress Report. We call it "Ethics at C.F. Møller".

Every year we track the development of sustainable projects at C.F. Møller using our ISO 14001 certificate. We are therefore **able to measure how our environmental work** is progressing. The share of new projects with environmental screening has increased from 55% in 2012 to 63% in 2013.

We are proud to note that we have earned an **excellent reputation for**

designing sustainable architecture and we are looking forward to setting similar goals for other aspects of our CSR work in 2014 and beyond.

At C.F. Møller, we are very pleased to continue to give our **full support to the ten principles of the UN Global Compact**.


Klaus Toustrup


Tom Danielson


Mads Mandrup


Julian Weyer


Klavs Hyttel


Lone Wiggers


Michael Kruse (associate)


Anna Maria Indrio

C.F. MØLLER'S CODE OF CONDUCT

Since publication of the last Progress Report, we have been working to produce a set of ethical guidelines applicable to all parts of the C.F. Møller group. We have chosen to present our ethical guidelines and thus to report on our endeavours to promote **human rights, labour rights and anti-corruption.**

We aim to be one of **Europe's best architectural companies.** To achieve our aim, we believe that we must maintain high quality in our work, practise responsible management and create a pleasant working environment. We strive consistently to hone our professional standards and improve the way we run our business.

Here you have the ethical guidelines for **how we at C.F. Møller run our business.** It also describes what we require of our suppliers and partners who work on our behalf.

We strive to address the specific challenges we, as consultants, face in the building sector. We also focus on describing the **values** we at C.F. Møller believe are important to apply in order to create a positive, dynamic workplace.

COLLEGE FOR THE 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 indoor climate and energy requirements are planned to meet the 2020 Danish low-energy building codes, featuring for example a highly insulated and airtight building envelope, low-energy pre-fab concrete components, use of natural cross-ventilation, and extensive heat recovery from exhaust air, waste water, showers, etc.

#1 • We abide by the rules

We make special effort to understand the legislation of the countries in which we work and we comply with international corporate management standards. For this reason, we have signed and apply the 10 principles of the United Nations Global Compact.



Text from the newspaper:

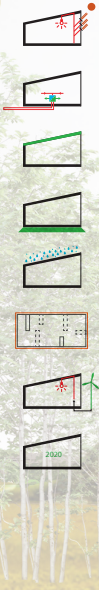
The New University Hospital in Aarhus is being built by Danish craftsmen. Social clauses ensure decent wages and reasonable working conditions for craftsmen at the New University Hospital.

This article is an example of, how we abide by the rules of the countries in which we work.

As part of the DNU group of consultants, C.F. Møller is working with the biggest hospital construction project in Danish history, the New University Hospital in Aarhus. The hospital will be built onto the existing Aarhus University Hospital, Skejby, to form a combined hospital complex. The New University Hospital in Aarhus will be the size of a Danish provincial town. The hospital is expected to be completed around 2020.

ENERGY, CLIMATE AND ENVIRONMENTAL PARK IN HILLERØD

Hillerød Utility Company's future Energy, Climate and Environmental Park is a unique amalgamation of energy production, water purification, resource recycling and climate management, designed as a public, recreational learning landscape, where school classes, for example, can see the green message put into practice.



#2



11.12.2013 | C.F. Møller implement management changes.

The new management for C.F. Møller will consist of partner Klavs Hyttel, partner Klaus Toustrup, CFO Birgit Møller and Group Head of Human Resources Helle Lehmann Staut.

By mutual agreement C.F. Møller's CEO, Susanne T. Nielsen, resigns her position effective immediately.

NEWS



We communicate honestly, among other things via our website. Here is an example from our news site.

#2 • We communicate honestly

Even though we are a company under private ownership, we believe it is important to communicate honestly and precisely – with the world around us and within the company.

For this reason:

- We communicate our key figures, projects, strategies and our company organization systematically via our website, annual reports and social responsibility reports (in the shape

of UN Global Compact Communication On Progress reports, COPs).

- We discuss our priorities, new assignments and challenges with all our employees at studio meetings. C.F. Møller's management team travels to each of our six departments for these meetings
- We ensure that the management team is easily accessible on a daily basis. We have a flat organization and an informal atmosphere. Every employee at the company has direct access to the partners and executive management team.

#3 • We are independent

As a company, C.F. Møller is commercially and politically unbiased. We do our utmost always to make choices on a well-documented and impartial foundation. We have an anti-corruption policy, which stipulates that no C.F. Møller employee may attempt to persuade – or allow him or herself to be persuaded – to act on anything other than a professional assessment.

For these reasons:

- We never donate funds or labour to party political initiatives.

- We never receive or give gifts or entertainment of commercial value to individuals outside C.F. Møller.
- We never receive or give gifts or entertainment to individuals outside C.F. Møller which could never be reciprocated. We desist from such practices to ensure that our relationships are equal.
- We never take part in trips paid by business partners or suppliers, which have no professional objectives. The scope of such trips may, however, never be such that C.F. Møller's professional impartiality can be disputed.
- In cases in which we assess that there is a risk of corruption, we require suppliers and business partners acting on C.F. Møller's behalf to confirm with their signature that they have an anti-corruption policy and practices.

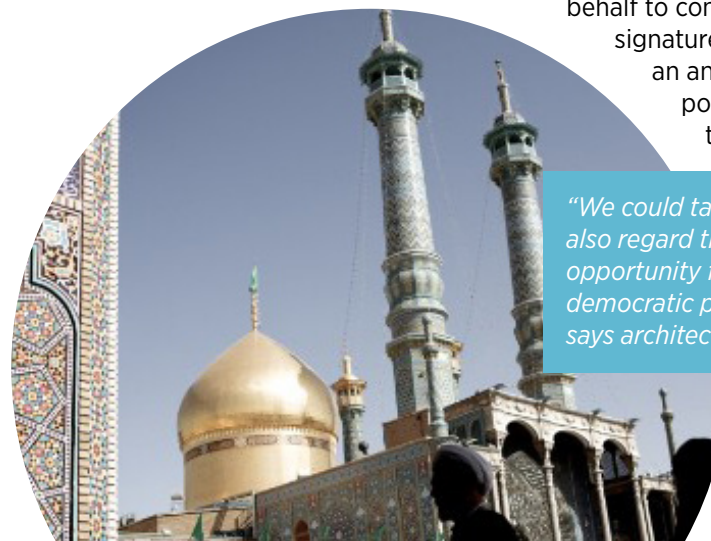
Construction in Iran: Go – or no go?

Last year, C.F. Møller was approached by a private client in Iran. We were asked to draw up draft proposals for several projects, including an urban planning assignment and an office complex in Tehran.

As a part of our preparations for this work, C.F. Møller asked a consultancy company, Responsible Assets, to analyse the context for the building project, with a view to clarifying whether, by accepting the assignment, C.F. Møller would risk exposure to a breach of the principles of the UN Global Compact and Danish law.

Responsible Assets concluded that, based on the current wording of the sanctions, by signing an agreement with the Iranian client, C.F. Møller would not risk breach of the European and Danish sanctions against Iran.

"We could take the line of least resistance and stay out of Iran. However, we also regard this as an opportunity to show that there are alternatives – a opportunity for us, as architects, to impact development in Iran by bringing democratic projects into the country," says architect and partner, Lone Wiggers.



#3



THE MÆRSK BUILDING – EXTENSION OF THE PANUM COMPLEX

The Faculty of Health and Medical Sciences at the University of Copenhagen is extended with a fifteen storey science tower, the Mærsk Building, which is to revitalize the faculty and create the best possible environment for modern research and teaching. The project will be pioneering in energy usage, with Denmark's most energy-efficient laboratories, in which waste energy from the ventilation system will be recycled in the overall energy balance of the building to a hitherto unprecedented degree.

#4 • We engage in a dialogue with our customers

As advisers, we seek to refine how we understand the needs and wishes of our customers. We believe that dialogue and confidence are imperative to any successful building project. Our primary goal is to ensure that function, architecture and finance come together.

For these reasons:

- We initiate every partnership by aligning expectations. We discuss the background, concepts and framework of the upcoming building project in minute detail.
- We work hard to secure fair contracts which build on mutual insight and respect.
- We maintain high levels of information and clarity in all our building projects.

The entire C. F. Møller team working on the Maersk Building, an extension to the Panum Complex at the University of Copenhagen, has now moved into a new site office with all the other stakeholders in this construction project: the client, the construction management team, engineers and contractors. We prefer to work this way and especially in our major projects because it is a great way to optimize the dialogue with customers and partners.

"Sharing a project office is really great for partnership and esprit de corps; it's an excellent way to nip issues in the bud before they turn into real problems," says project manager Gunner Nielsen from C.F. Møller.

#4

#5 • We believe in team work

Since our foundation in 1924, we at C.F. Møller have believed that if you want to create the best architecture, you need to have the right team. Our philosophy is that teams comprised of competent individuals achieve more than individuals working in isolation. The composition of our partner group and the teams we assemble to work on individual building projects are based on this philosophy.

For these reasons:

- We invest in supplementary training for all C.F. Møller employees in all the countries, where we have offices
- We employ the best professional profiles
- At annual staff appraisal interviews (called MUS), we attach great importance to our employees' personal development and ability to cooperate
- We make systematic appraisals of our results and of the processes that underpin our building projects
- We delegate as much responsibility as possible to our teams
- We conduct annual employee satisfaction surveys.



Equality and Diversity

Diversity is the cornerstone of an inclusive and creative high performing workplace. Women currently make up 52% of our workforce and 60% of our 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 2013.

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

Currently our Board consists of all male Senior Partners. It is our goal to have 1 women member of 4 members by 2015. To reach this goal we require that one of our female Senior Equity Partners join the board, thus reaching the 60-40 mark which is requested by law in Denmark .

C.F. Møller already comply with the 60-40 division between men (40%) and women (60%) on the senior managerial level and 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.

Note: With four board members the 40% mark is reached by having at least 1,6 members of the least represented sex. The 40% mark is reached by having 1 of 4 members being of the least represented sex

#5

#6 • We invest in new knowledge

As an international architectural company, we must recognize and assimilate the new impulses in our profession at all times. We also have to remain true to our core values. We strive consistently to push the boundaries in the firm conviction that this is the path to excellence.

For these reasons:

- We invest a lot of time and money in design contests.
- We have set up a multidisciplinary support team, which ensures that our contest entries are of the best possible quality and that we learn as much as we can from our contest projects.
- We participate actively in research and development of our craft in the countries in which we have offices.

CSR tools for the architecture industry

Working with DANSKE ARK (the Danish Association of Architectural Firms), Responsible Assets and colleagues at Henning Larsen Architects and CCO, C.F. Møller took part in the development of a new CSR tool for firms in the architecture industry to use in their work with social responsibility. Work started in autumn 2012. The tool was then developed, tested and discussed by the three architectural studios, their suppliers and clients in Denmark and abroad, as well as in a steering group, comprising representatives from each of the companies, the Danish Business Authority and DANSKE ARK.

The tool can be used by all the employee groups in an architectural firm. It is engineered in accordance with the different phases the architect meets in the construction process, and allows the individual employee easy access to information and to select that part of the tool that is relevant to his or her tasks in the construction process.

Social responsibility

The social responsibility of architectural firms.

#6



#7 • We are the champions of quality

We are Denmark's largest architectural company. We have offices at six different locations, all of which work internationally. Knowledge-sharing and quality assurance are therefore buzz words, if we are to supply superior performances every time.

For these reasons:

- We apply the C.F. Møller "one model", which assures the quality of our work at every stage of the building process. "One model" is a process and quality assurance tool, which C.F. Møller's architects follow from the initial customer meeting through project planning to building inspection.
- Our quality management system meets ISO 9000 certification standards. We continually improve our quality by means of internal and third-party audits.
- We create a learning environment through mentoring at the company generally and within the individual teams.

#8 • We aim to be one of the best in sustainable building

We make persistent efforts to develop our insight and create solutions which minimize the consumption of finite resources. To achieve this, we recycle materials, integrate sustainability into our projects, aspire to certifying our buildings and we make a conscious choice of materials.

For these reasons:

- We offer our customers environmental screening of any new project – free of charge. The objective is to determine the opportunities for optimizing energy consumption and resources in the building
- We are a member of the Green Building Council in all the Scandinavian countries
- We plan all our building projects in accordance with DGNB Premium, LEED or any other standard to which our customer may ask us to work
- We have trained consultants who specialise in DGNB Premium and LEED
- We train all our architects to work with eco-friendly project management
- We strive consistently to optimize how we run our company and the consumption of resources in our

buildings by conducting internal and third-party ISO 14001 audits.

#9 • We focus on social responsibility in all our corporate processes

C.F. Møller has always considered itself a socially responsible enterprise, which plays an active role in the world. From the outset we believe that social responsibility is a matter of getting involved as opposed to withdrawing from involvement. Our policy and our business procedures encourage a dialogue and seek to make changes for the better. C.F. Møller decides on a case-to-case basis whether to take part based on an analysis of specific conditions.

For these reasons:

- We have signed and apply the 10 principles of the United Nations' Global Compact.
- We produce an annual Global Compact Communication On Progress, which reports on our work, circumstances and improvements.
- We ensure that all C.F. Møller employees are employed in accordance with a collective agreement or another type of labour market agreement
- We analyse the building projects we take part in to assess if they present a specific risk of non-compliance

The World's Best News

Since 2010 C.F. Møller Architects has been a partner in the World's Best News campaign organized by the United Nations, Danida and more than 80 Danish development agencies, and we participated again in 2013. The goal of the 'World's Best News' campaign is to give people more accurate knowledge about the actual results of development aid and efforts to combat global poverty.

with the UN Global Compact principles

- If we find evidence of non-compliance with the UN Global Compact principles, we always recommend that the client takes steps to prevent non-compliance
- We offer all our clients an analysis of the risk of non-compliance with the UN Global Compact principles involved in their building projects
- If we consider that there is a risk of breach of the UN Global Compact principles, we offer all our clients random spot checks at construction sites and of material manufacturing.
- If we determine that there is a risk of non-compliance, we ask all the suppliers and partners acting on C.F. Møller's behalf in building projects to sign that they will comply with the UN Global Compact principles.
- We train our employees to analyse and address any issue in our building projects that may be in breach of the UN Global Compact principles.





C.F. Møller has chosen to support the UN Global Compact office with a voluntary donation:

“Generous contributions from companies like yours allow the Foundation to better support the United Nations Global Compact as it continues to advance a diverse issue portfolio to benefit economies and societies worldwide.”

#9

#9

Developed Suppliers' Declaration

Under the auspices of DANSKE ARK, C.F. Møller has helped to develop a Supplier's Declaration, a template which obliges the individual project's contractors and sub-contractors to comply with the principles of the UN Global Compact. Main contractors and their sub-contractors must sign the Supplier's Declaration. The Supplier's Declaration includes a specific description of the effects of the Global Compact principles when they are applied to practical standards.

At C.F. Møller, we have already begun to use the Supplier's Declaration in our projects. We aim to

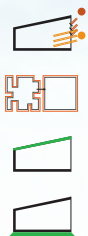
increasingly implement the Supplier's Declaration in 2014.

DANSKE
ARKITEKT
VIRKSOMHEDER

#10 • We ask each other for advice

We are tireless in the pursuit of improving the way we tackle dilemmas in an ethically responsible way. We encourage our employees and stakeholders to contact a partner or the management team if they are witness to any event that does not comply with the contents of this document. To promote critical self-assessment of our own actions, we encourage everyone who works for C.F. Møller to bear the following questions in mind if they find they are in any doubt about the ethical soundness of a given activity:

- Is there an obvious alternative course of action that will eliminate the doubt?
- Will this action have an undesirable effect on anyone else – partners or customers?
- Would this be controversial if you talked about it to friends or colleagues in our profession?
- How would this look if it appeared in the news media?



THE TOWN OF SØRUMSAND, NORWAY

The Norwegian station town of Sørumsand, around 30 km from Oslo, wishes to be an attractive suburb and to double the present population of around 3,500 by 2040. The aim is - with higher and closer buildings, situated around a central main shopping street - to develop this station town into an urban suburban environment, where residents are able to walk or cycle, since everything will be close by in the town, while the station will have rapid connections to city workplaces and activities.



ENVIRONMENT

C.F. Møller wishes to be a front runner in sustainability. The energy demands of the future towards the energy consumption, environmental impact and sustainability of buildings represent an architectural challenge for a practice that intends to be a pioneer in the field and at the same time deliver high architectural quality.

Environmental concerns can easily be combined with good architecture. In fact, this opens up new, attractive possibilities for innovation in form, spaces and materials which are very much to the benefit of the coming users and residents.

Environmentally-friendly project planning is a systematic working practice that ensures that the environmental impact of construction remains limited. The method makes it possible to incorporate environmental concerns in project planning on an equal footing with consideration of other factors, such as accessibility, time, quality and finances.

ISO-14001

C.F. Møller Architects is certified according to the international environmental management standard ISO 14001.

Environmental management is about:

- Analysing environmental matters
- Formulating environmental policy
- Stipulating environmental goals
- Compiling plans of action
- Evaluating environmental work

The certificate has up till now applied to our three offices in Denmark and our office in the UK, but in 2013 the branches in Stockholm and Oslo were also certified, so that all branches of C.F. Møller now hold the certificate.

The certification documents our proactive efforts to minimize environmental impact, both in the operation of our own offices and in the buildings we design – in energy consumption and building materials lifecycles – and the ongoing development of new know-how in the organisation.



An annual survey, audit and evaluation is performed of the ISO 14001 environmental management system, and the results are used to develop new goals and strategies. The system is also evaluated annually by an independent auditor, the Danish Standards Association.



Project greenhouse gas accounting

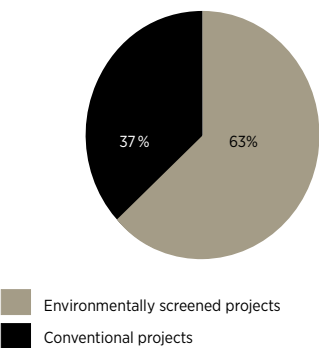
C.F. Møller has declared its aim to perform an **obligatory sustainability screening** as a permanent feature of every new project. We intend to motivate each and every client to integrate sustainable components into their building work.

Statistics for the Danish departments for 2013 reveal that, since the last measurement in 2012, we have progressed from screening 55% to screening 63% of all projects. **We are making headway.**

We have also begun to gather the corresponding **data at our departments abroad**: The figure for Stockholm was 45% and for Oslo 28%. At group level (excluding London, for which we do not have comparable figures), we have environmentally screened 53% of all new projects.

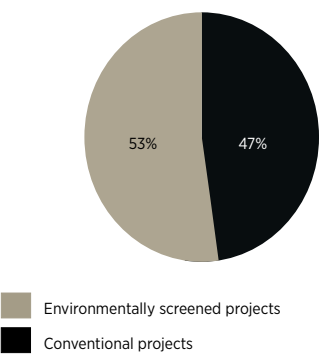
Since January 2014 we have produced **more detailed statistics** about projects that are environmentally screened. The idea is to determine how many of these projects entail not only environmental screening but also subsequent environmental management, and how many projects end up having to comply with some kind of certification, e.g. DGNB or BREEAM.

Environmental screenings performed at the start of projects in **Denmark**:



NOTE: Total 52 projects

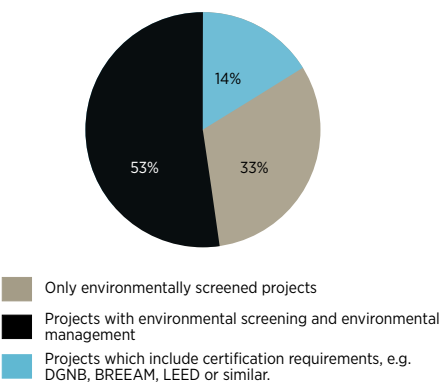
Environmental screenings performed at the start of projects in **Denmark, Norway and Sweden**:



NOTE: Total 81 projects

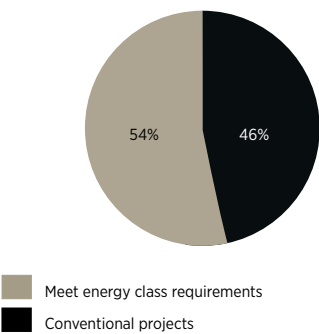
We focus strongly on developing new green construction know-how and we store our knowledge in an internal database, which is accessible to all our employees on our intranet.

The figures are intended to show the extent to which we have succeeded in maintaining screening initiatives throughout the management process. The goal is for this figure to **grow year on year.**



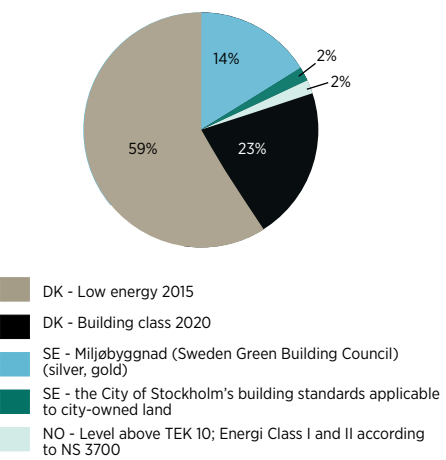
NOTE: Total 43 projects

The diagram (below) shows the results of C.F. Møller's sustainability work in construction projects.



NOTE: Total 81 projects

More than half of our projects **meet the requirements of different energy classes**. To see which energy classes, read the diagram:

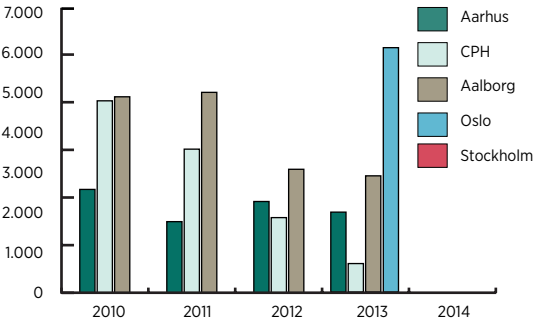


NOTE: Total 44 projects

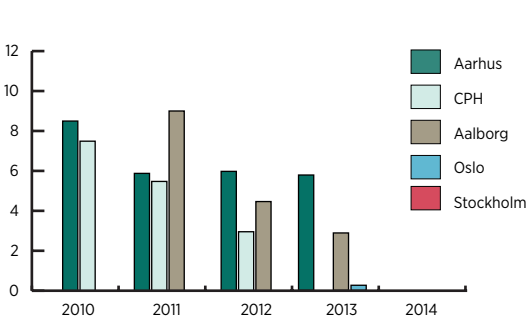
Our calculations currently focus on energy consumption during the construction process and then in the running of the building. In future we wish to **measure on many more parameters**, about 50 in all, which are significant for the overall sustainability rating of a building, e.g. visual comfort, daylight ingress, acoustics and air quality. All of these parameters are included in DGNB certification.

Greenhouse gas accounting at our offices

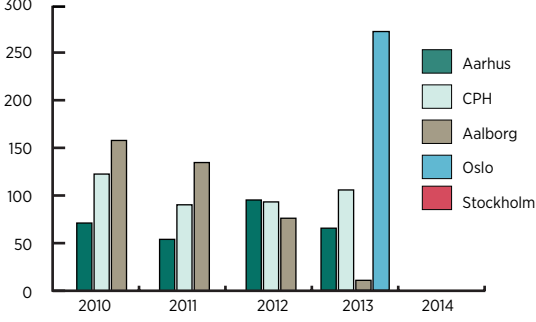
We have appointed an environmental coordinator at each of our offices. The coordinator registers local results and helps to change inappropriate patterns of behaviour in relation to consumption of resources. We are doing our utmost continually to minimize the architectural studio's carbon footprint and reduce our consumption of electricity, heating and water, as well as use fewer environmentally hazardous office supplies and less paper, and take fewer flights per employee. E.g. the Aalborg department's completely energy-optimized its leased premises and then moved into new premises, designed by C.F. Møller. Both endeavours are clearly reflected in the department's heating consumption, which has fallen year on year.



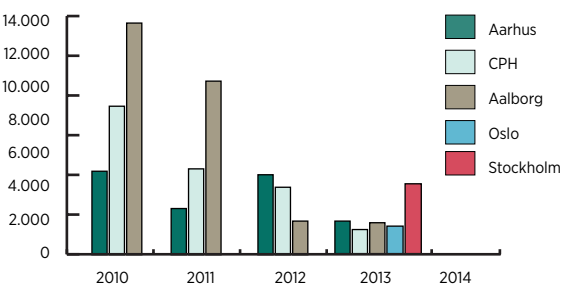
Electricity consumption, kWh per employee
 - 2013 Oslo + Stockholm are included in the accounting.
 - NB: It has not been possible to register electricity, heating and water consumption in Stockholm. Moreover, the department moved to a new address at the turn of the year 2013/2014.



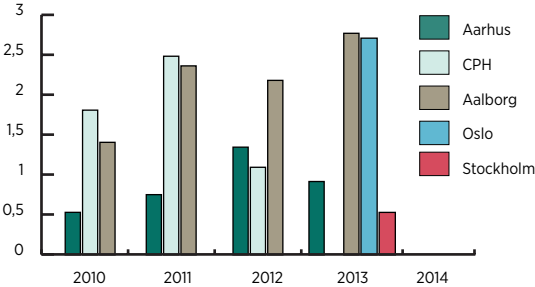
Water consumption, m3 per employee
 - 2010 Data missing from Aalborg
 - NB: As we were unable to find figures for water consumption in Aarhus in 2011, the water consumption 2011 figure for Aarhus is the average value of consumption in the years 2008 + 2009 + 2011.
 - 2013 Oslo + Stockholm are included in the accounting.
 - NB: It has not been possible to register electricity, heating and water consumption in Stockholm. Moreover, the department moved to a new address at the turn of the year 2013/2014.



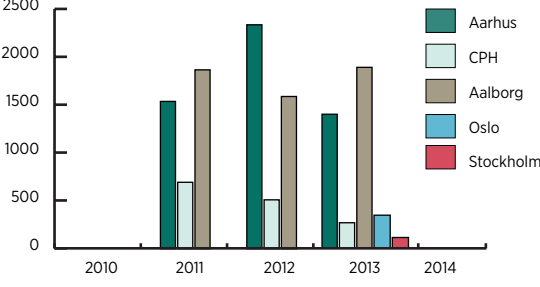
Heating consumption, kWh/year per m²
 - NB: In 2012 we corrected all the figures to the new degree days energy management system. These figures are therefore slightly different from those stated in previous reports.
 - 2013 Oslo + Stockholm are included in the accounting.
 - NB: It has not been possible to register electricity, heating and water consumption in Stockholm. Moreover, the department moved to a new address at the turn of the year 2013/2014.



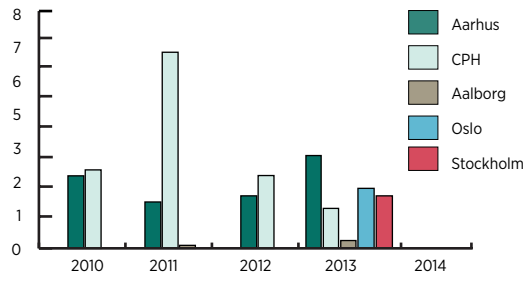
Office supplies, DKK per employee
 - 2013 Oslo + Stockholm are included in the accounting.



Air travel in Denmark, flights per employee
 - 2013 Oslo + Stockholm are included in the accounting.



Road travel, kilometres per employee
 - Data registered from and including 2011
 - 2013 Oslo + Stockholm are included in the accounting.



Global air travel, flights per employee
 - 2013 Oslo + Stockholm are included in the accounting.

Sustainability icons

In order to communicate to our clients and partners how to plan and design the individual building in the most sustainable way, the studio has developed a series of sustainability icons which symbolize the sustainable methods used in buildings.

The array of icons forms the individual building's sustainability profile. Every building is unique and screened

- Phase changing materials
- Certified building
- Daylight
Use of Solar blinds minimizes direct sunlight
- Energy renovation
- Low energy windows
- Flexibility
- Green roof. Reduces the need for cooling and water run-off
- High insulation values
- Ground cooling/heating, Central heating and/or cooling system extracting ground heat
- Energy efficient design and compactness
- LCA - Life Cycle Assessment
- LED. Energy efficient lighting concept
- Sustainable planning
- Low energy standard - 2015

individually and the array of icons indicates the sustainability potential inherent in the individual building.

For example, for buildings located close to the sea, energy-saving seawater cooling is a potential energy-saving feature, whereas power-producing solar panels and energy-saving solar screens can be used on buildings with large south-facing roofs and façades.

- Low energy standard - 2020
- Natural ventilation
- Paper/flax insulation
- Passive solar design (PSD). Building design uses the sun's energy for heating/cooling
- Rainwater harvesting
- Photovoltaic cell/solar heating
- Noise minimization
- Healthy building
- Vacuum insulation/thermal break
- Ventilation with heat recovery
- Wind energy
- High performance thermal insulation. Air tight envelope, eliminated thermal bridges
- Prefabricated components

NEW HOTHOUSE IN THE BOTANIC GARDEN IN AARHUS

The existing snail-shaped hothouse was well adapted to its surroundings, and it has been important to bear the existing architectural values in mind when designing the new one for the University of Aarhus. The new hothouse also uses the organic form, which is, at the same time, based on energy-conserving design solutions and on a knowledge of materials, indoor climate and technology. Advanced calculations have ensured that form and energy consumption interact in the best possible manner.



THE APARTMENT COMPLEX OF THE FUTURE

HSB LANDMARK STOCKHOLM

①



HSB LANDMARK STOCKHOLM

Last year, Berg | C.F Møller Architects won the competition for a new landmark for Stockholm with the proposal for the world's tallest wooden skyscraper and two other housing projects.

The Swedish co-operative real estate organization HSB revealed the outcome of their competition for the new landmark of Stockholm, with the purpose of celebrating the association's centenary in 2023.

The competition engaged three groups of architects, in making three **creative proposals for residential buildings** at three different central spots in Stockholm: **(1)** on the site Västerbroplan in the Stockholm quarter Marieberg, **(2)** on the site of the former municipal Technical Department, called Tekniska Nämndhuset, and **(3)** in the old harbor area Nortull which is to be part of an entire new city quarter called Hagastaden.

Using HSB Stockholm's Facebook, the public voted for their favorite buildings at each site. A jury was also involved in selecting a winner. In addition to representatives from HSB Stockholm, the jury included former Town Architect of Stockholm Per Kallstenius, architect and former manager of White Architects Karin Ahlzén and anthropologist Katarina Graffman.

The jury's minutes read:

"Berg | C.F Møller and DinellJohansson have taken an innovative approach to the layout and function design of the apartments, as well as to the architectural design and spatial orientation of their buildings. With visions on how different functions can be at service not only to the people living in the houses, but to the public as well, they're creating a housing society ready to meet the future."

Client: HSB Stockholm

Competition year: 2013

Architect: Berg | C.F. Møller Architects in cooperation with DinellJohansson

Prizes: 1st Prize in competition

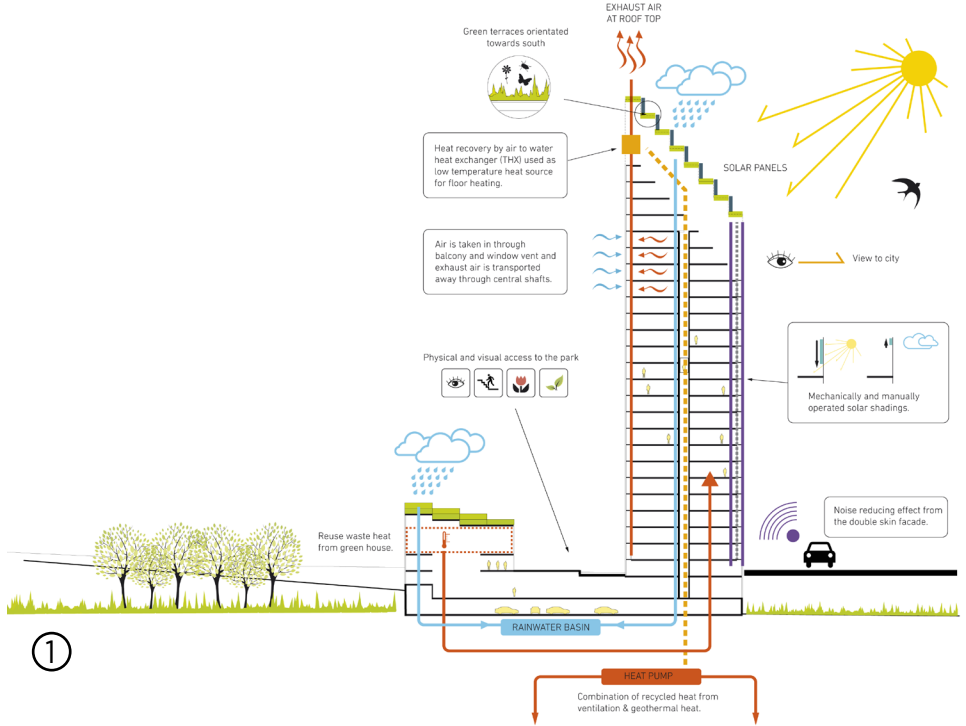
Collaborators: Tyréns, Transsolar, AKT II, DeBrand





- Though it has not yet been decided whether it will be the wooden sky-scraper or one of the other two submissions from Berg | C.F Møller and DinellJohansson that we will proceed with, **we are very excited and eager to start up the actual building phase of**

the project together with this team of architects, stated HSB. -The purpose of this competition was to create a new landmark for the city of Stockholm. The buildings provided by Berg | C.F Møller Architects and DinellJohansson are all up for the task.



The architectural idea throughout the entire competition has been to create a complex of **residents to accommodate a diversity of people**, ranging from students and families with children to pensioners – a complex which creates ideal conditions for community spirit and busy modern lifestyles, including e.g. a supermarket, café, restaurant, fitness centre and library facilities on site. Therefore the different projects also welcome

visitors and provide attractive outdoor spaces, as part of the projects' social sustainability. The complex will be **sustainable, not only during the construction process** and in the choice of materials, but also in terms of the residents' lifestyle. For example, the proposals include a bicycle and car pool operated by the housing association and apartments with kitchen interiors specially designed to make recycling easy.



WOODEN SKYSCRAPER (1)

Address: Västerbroplan, Stockholm
Size: 11.450 m²

For the Västerbroplan plot in the Marieberg district, Berg | C.F. Møller has drawn up plans for a 34-floor wooden apartment building. The building is designed around a wooden structure with stabilising concrete cores.

Pillars and beams 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. 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. Each apartment will be equipped with an energy-

efficient glass-fronted balcony and the building itself will receive energy from solar panels situated on the roof. At street level there will be a café and a nursery and, in a new neighbourhood building, all residents in the area will be able to enjoy a marketplace, gym and bicycle storage location. A shared winter garden will make allotments possible.



OFFICE CONVERSION (2)

Address: Fleminggatan 4, Stockholm
Size: 29.000 m² (9.450 m² new-built)

A mix of new-built and a transformation of an existing brick office building, formerly occupied by Tekniska Nämndhuset, part of the City of Stockholm, the idea behind the proposal is to retain a large proportion of the existing structure, and add a slab building and two smaller point blocks between the former office wings - a solution which, to-

gether with the jetty and new terraced stairs facing the water, opens up the buildings to their surroundings and creates a new, recreational meeting place in central Stockholm.

All three new buildings have a characteristic façade and a wooden structure. The mixed architecture creates the possibility for a resource-efficient and durable housing project, just as it provides opportunities for many different apartment types, all equipped with glazed balconies and aimed at a diverse clientele.

A staffed lobby area on the ground floor with, for example, a walk-in fridge for take-away food and the opportunity to book bicycles and cars from the shared residents' pool is one of many initiatives for helping with everyday life for residents. In the apartments, sustainable living is supported by, for example, initiatives such as kitchen cupboard solutions that include waste sorting - on wheels, making it easier to dispose of your waste.

VERTICAL URBAN QUARTER (3)

Address: Nortull, Hagastaden, Stockholm
Size: 18.550 m²

The multi-storey housing complex, designed for Stockholm's new Hagastaden quarter, is intended to be a landmark in the new quarter, as well as an attractive destination for Stockholm's residents. Together with four other planned buildings, the multi-storey complex will be part of Norrtull, an attractive new public area of the city.

The multi-storey complex will welcome the city with, for example, a supermarket, café and restaurant, magazine library and large outdoor spaces. The complex will also give the city new visual experiences, including its timber structures, green rooftop terraces and a playground on one of the storeys, as well as a dynamic, varied façade that reflects the various types of flats behind it.

The deceptively simple building volumes house a great variety of homes, in fact radically changing floor plan



layout over the different storeys to accommodate family homes, student housing, urban villas, lofts and pent-houses and even care homes for senior citizens. In this way, the complex makes up a vertical urban quarter in itself.

The ground floor has a staffed lobby, with easy access to the housing association's many communal facilities, such as a kindergarten and workshops. The fitness centre and laundry facilities are situated adjacent to each other, so that both can be used at the same time - one of the many initiatives making everyday life easier for residents.

CONTACT

WWW.CFMOLLER.COM



AARHUS
C. F. MØLLER DENMARK A/S
Europaplads 2, 11.
8000 Aarhus C
P: +45 8730 5300
cfmoller@cfmoller.com

COPENHAGEN
C. F. MØLLER DENMARK A/S
Danneskiold-Samsøes Allé 28
1434 København K
P: +45 3288 7844
kbh@cfmoller.com

AALBORG
C. F. MØLLER DENMARK A/S
Nytørn 28, 2. sal
9100 Aalborg
P: +45 9632 9797
aalborg@cfmoller.com

OSLO
C. F. MØLLER NORWAY AS
Dronning Mauds gate 15, 5. et.
0250 Oslo
Postal adress:
Postboks 1347 Vika, 0113 Oslo
P: +47 2413 3400
oslo@cfmoller.com

STOCKHOLM
Berg | C. F. Møller Architects
Krukmakargatan 21, 118 51 Stockholm
Box 15055
Postal address:
104 65 Stockholm, Sverige
P: +46 8 555 760 00
F: +46 8 555 760 99
mail@bergark.se

LONDON
C. F. MØLLER ARCHITECTS UK Ltd.
36-38 Whitefriars Street
London, EC4Y 8BQ, uk
P: +44 7427 1530
Fax: +44 7427 1531
london@cfmoller.com