

COPENHAGEN SCIENCE CITY

CLOSE TO KNOWLEDGE AND RESEARCH /
IN THE HEART OF ONE OF THE BEST CITIES
IN THE WORLD / UNIQUE SURROUNDINGS
AND OPPORTUNITIES FOR BUSINESSES

2013

// FACTS

Copenhagen Science City is an attractive location for businesses and knowledge institutions within the health and life sciences, cleantech and ICT.

The Science City includes 200,000m² which has been designated for businesses, with office hotels, various sizes of self-contained rental premises and sites ready for development. There is space for growth companies, small entrepreneurs and established businesses. There is also 40,000 m² designated for housing.

More than 35,000 people work at the Science City and about 55,000 people live in the area. In addition to these, over 20,000 students study at the educational institutions in the area.

COPENHAGEN SCIENCE CITY

Copenhagen Science City is a brand new district in Copenhagen with focus on the health and life sciences, cleantech, and information and communications technologies (ICT). The Science City centres around the University of Copenhagen, the Metropolitan University College and Copenhagen University Hospital. This creates strong synergies between knowledge, business and the city.

The area is a fertile breeding ground for knowledge and innovation. With huge investments from the government, region and municipality, the district will undergo extensive redevelopment. This will make Copenhagen Science City an extremely attractive place to conduct business and research activities.

UNIQUE ENVIRONMENT FOR THE HEALTH AND LIFE SCIENCES, CLEANTECH AND ICT

Copenhagen Science City is attractive for businesses within the health and life sciences, cleantech and ICT. They will want to be located close to strong knowledge institutions, close to new and well established companies and be in the heart of a modern, green city with an efficient infrastructure.

Copenhagen is home to some of Europe's top companies within the health and life sciences, cleantech and ICT, for example Novo Nordisk, Lundbeck, COWI, Siemens and IBM. The parties behind Copenhagen Science City want to exploit this position to establish dynamic and highly specialised research, development, business and education communities.

"Copenhagen Science City will cement Copenhagen's reputation as a modern, international knowledge metropolis in which growth, innovation and quality of life meet and prosper. The City of Copenhagen, the government and the Capital Region of Denmark are together investing vast sums in the Science City to ensure the very best framework and collaboration opportunities for businesses, researchers, students and investors. We're looking forward to bidding even more Danish and international companies welcome to Copenhagen Science City."

*Frank Jensen,
Lord Mayor of Copenhagen*

*The Mærsk Building, University of Copenhagen C. F. Møller Architects,
visualisation by Mir.*

COPENHAGEN SCIENCE CITY [CONTINUED]

KNOWLEDGE AND BUSINESS WORKING CLOSELY TOGETHER

The cornerstone of Copenhagen Science City is the knowledge institutions. Many of the University of Copenhagen's research and teaching in natural sciences, pharmaceuticals and the health and life sciences will take place at the Science City, which will host the Copenhagen Biocenter and upcoming research complexes such as the Mærsk Building and the Niels Bohr Building.

Copenhagen Science City is also home to Copenhagen's University Hospital, and the Metropolitan University College, with health and technological education programmes and knowledge communities. Moreover there will be several important research libraries.

The knowledge institutions in the area will want close and informal collaboration with both the business community and the public sector. These institutions are constantly developing new initiatives to strengthen this collaboration. As a result, businesses can easily establish links with researchers, students and other companies in the area. The physical framework of the area also encourages collaboration between knowledge institutions and businesses.

"The strength of Copenhagen Science City is that we create the very best framework for collaboration between the business community and educational institutions; and between students, researchers and private and public workplaces. The goal is a Science City in which knowledge institutions, businesses and the city can freely develop by exchanging and exploiting knowledge and modern facilities to create growth and innovation in society."

Morten Østergaard, Minister for Science, Innovation and Higher Education

A LIVELY AND EASY-TO-ACCESS DISTRICT - AT THE HEART OF A DYNAMIC CITY

Copenhagen Science City is located at the centre of Copenhagen, close to major roadways and Copenhagen's efficient public transport network. Therefore access to the Science City is simple, whether it is by car, bus, metro, train or bicycle. Moreover Copenhagen International Airport is only half-an-hour away by bus and metro. The geographical location also has the advantage that Copenhagen Science City is an integral part of the city of Copenhagen itself; a city which on several occasions has been recognised as one of the best cities in the world in which to live and work.

The result is a unique synergy between knowledge, business and city.

Green transport
Photo: Troels Heien



// FACTS

Copenhagen has been selected as the European Green Capital in 2014.

In the near future the Danish Government, the Capital Region of Denmark and private foundations will be investing about DKK 6 bn. in Copenhagen Science City. The investments will be spent on modernising laboratories, extending Rigshospitalet and major construction work at the University of Copenhagen, including the Mærsk Building, the Niels Bohr Building and the Data Management and Software Centre for the European Spallation Source (ESS).

The City of Copenhagen is investing more than DKK 200M. in daycare centres and public transport in the area.

CLOSE TO KNOWLEDGE AND RESEARCH

Companies in Copenhagen Science City are very close to the University of Copenhagen, Metropolitan University College and Copenhagen University Hospital. This location facilitates easy access to the most up-to-date research in health and diseases as well as bio, natural and pharma sciences.

The close collaboration in the Science City between businesses and knowledge institutions has already led to new products, licences and cooperation agreements.

STRONG RESEARCH AND EDUCATION COMMUNITY

A number of the internationally leading research institutes under the University of Copenhagen are gathered at Copenhagen Science City. Research into diabetes, genetics, stem cells, healthy ageing, cancer; datalogy, nano-science and biology will take place at the Science City centres and institutes such as the Biotech Research and Innovation Center (BRIC), the Novo Nordisk Foundation Center for Protein Research (CPR), the Novo Nordisk Foundation Center for Basic Metabolic Research, the Finsen Institute, the Department of Computer Science and the ESS Data Management and Software Centre.

Copenhagen Science City also includes the Metropolitan University College with its practical approach to the

professions which are to develop the welfare services of the future. The Metropolitan University College offers a wide range of expert environments, basic education programmes, further-education and graduate programmes, libraries and students. With its practical and cross-disciplinary approach to research and development, the Metropolitan University College is an appealing partner in transferring new knowledge to practice and in incorporating practical knowledge from the professions into new solutions within medicine, health, rehabilitation, welfare technology, etc.

The strong research and education community in the area makes it the obvious choice for businesses wanting to establish collaboration with both researchers and students.

// CASE: ENTREPRENEURIAL GREENHOUSE

Katapult is a growth centre for students under the University of Copenhagen where students can learn about entrepreneurship. It also acts as a matchmaker for the business community and students, bringing them together for specific tasks and development projects. Katapult also provides students from the faculties for health sciences, natural sciences and biosciences with an opportunity to test whether their projects or ideas can be the basis for starting a new business.

Similarly, the Metropolitan University College has MatchPol; a service which provides students for businesses and institutions to delve into a specific issue as part of their work experience.

CLOSE TO KNOWLEDGE AND RESEARCH

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“Copenhagen Science City is a complete ecosystem in itself! It is a meeting place for research, education and businesses, so that together they can create knowledge and innovation. Students are able to meet businesses early on in their studies, and this leads to spin-outs, innovative research projects with companies and student entrepreneurship.”

*Thomas Bjørnholm,
prorector, University of Copenhagen*

COLLABORATION ON TESTING PRODUCTS AND INVENTIONS

Large and small enterprises at Copenhagen Science City can very easily set up collaboration with the research institutions in the area. In recent years this has resulted in a number of licence agreements, clinical trials and new products.

Research & Innovation at the University of Copenhagen supports initiatives to promote collaboration between the business community and research. The vice-deans for collaboration with the public and private sectors at the Faculty of Health Sciences and the Faculty of Science are very active in this area.

ACCESS TO CLINICAL RESEARCH, FACILITIES AND DATABASES

In addition to being able to exploit knowledge institutions' theoretical research, businesses also have access to practical, applied research. For example clinical research primarily takes place at the Copenhagen University Hospital, located centrally in the district. With more than 100 highly specialised departments and functions, the hospital is behind a large number of research and development projects at international level.

Researchers and clinicians at Rigshospitalet work very closely with medical and pharma companies, other hospitals and clinical environments in Denmark and abroad, as well as a vast number of suppliers and product developers. The hospital also works with the public-sector on testing the practical applications of research.

A new initiative is the University of Copenhagen's business collaboration portal. Through this portal enterprises now have an easy-to-use catalogue of the research facilities and databases.

Lecture theatre, Metropolitan University College
Photo: Steen Lange

// FACTS

In 2011 the University of Copenhagen established 21 licence agreements and more than 700 collaboration agreements with external partners.

The University of Copenhagen is head of the Copenhagen Spin-out project, a regional funding project with a budget of DKK 40 million. 'Spin-out' means that a division of a large company breaks away and establishes itself as an independent company. Through the project, which also includes the Technical University of Denmark, the Capital Region of Denmark, investors, research parks and industry, partners will enhance the number of spin-outs from research institutions and together create 21 spin-outs before the end of 2014.

The University of Copenhagen business collaboration portal provides partners with overall access to the University's research, infrastructure and technology transfer.
www.erhverv.ku.dk/english/

Faculty of Health Sciences:
www.healthsciences.ku.dk

Faculty of Science:
www.science.ku.dk/english

Research and development contact at the Metropolitan University College:
www.phmetropol.dk/contactRD

IN THE HEART OF ONE OF THE BEST CITIES IN THE WORLD

Copenhagen Science City is centrally located in Copenhagen, and has been acknowledged as one of the best cities in the world in which to live and work. As Europe's specialist city in the health and life sciences, Science City is an integral part of the existing urban environment, numerous residential areas, schools, daycare facilities and shops, as well as numerous green spaces, recreational facilities and pavement cafés, this makes for a lively and atmospheric area.

ATTRACTIVE CITY FOR HEALTH AND LIFE SCIENCES

Copenhagen has repeatedly been acknowledged as one of the best cities in the world in which to live and work; most recently in 2012 by the international lifestyle magazine Monocle.


In a business context, with more than 100 pharma, biotech and health-technology companies, Copenhagen has secured itself a stronghold position within the health and life sciences. In fact, according to the Danish Business Authority, consisting of 60 European cities in a study, Copenhagen is the most specialised within the health and life sciences. This position can only be retained and developed through continued strong partnerships between the city, knowledge institutions and the business community.

STRONG REGIONAL NETWORK

The location of the Science City in Copenhagen facilitates strong regional business networks.

Many health and life sciences companies are located around Copenhagen and Malmø. For example, there are large international companies like Novo Nordisk, LEO Pharma and Lundbeck, as well as smaller and new biotech companies, of which several have established themselves in the Copenhagen Bio Science Park (COBIS) in Copenhagen Science City.

Copenhagen's strong international brand as a green city has also brought together an attractive network of companies working within the environment, energy and sustainable development; the Copenhagen CleanTech Cluster.



The world's best Metro
Photo: Kontraframe

IN THE HEART OF ONE OF THE BEST CITIES IN THE WORLD

[CONTINUED]

According to WWF, Copenhagen is “the world’s best place for cleantech start-ups” and it has a strong reputation for sustainable solutions, green visions and ambitious investment to realise Copenhagen’s goal to be the first CO2-neutral capital by 2025.

GREEN SPACES, CULTURE AND GOOD FOOD

The largest park in Copenhagen, Fælledparken, lies in the heart of Copenhagen Science City, and it is a welcome space for Copenhageners to play football, lie in the sun, or meet for a picnic.

Just ten minutes from the Science City and Copenhagen city centre, the city’s residents can lay by the beach, dip in the sea or swimming pool, or at Svanemølle Havnen, as it is not too far to the lakes and woods.

Copenhagen is the premier cultural capital in Scandinavia, with a new opera-house and playhouse. Copenhagen also has several Michelin-star restaurants, not the least Noma, run by the founders of the new Nordic cuisine. For three consecutive years Noma has been awarded ‘Best Restaurant in The World’.

“Copenhagen has a clear advantage in that it is easy to run a business in the city.”

*Christian Klibo,
partner and head of Pricewaterhouse
Coopers’ Public Services division*

// FACTS

Copenhagen has been acknowledged as Scandinavia’s best city in which to run a business (PricewaterhouseCoopers, 2012) and the World Bank has proclaimed Denmark as the easiest place in Europe to do business (World Bank 2012).

The international lifestyle magazine *Monocle* has declared Copenhagen as the third-best city in the world in which to live (2012).

The population of the region around Copenhagen and Malmø is expected to grow from the current 3.8m to 4.1m by 2025.

Copenhagen’s metro has been recognised as the best in the world (MetroRail 2012) and according to the IMD, Copenhagen has the world’s fourth-most efficient infrastructure.

Fælledparken, Copenhagen Science City
Photo: Steen Lange

COBIS, Copenhagen Science City
Photo: Steen Lange

UNIQUE SURROUNDINGS AND OPPORTUNITIES FOR BUSINESSES

Copenhagen Science City offers various business rental properties and sites for new construction. Companies within the health and life sciences, cleantech and ICT can be part of a unique business and knowledge community with access to cutting-edge research, advanced facilities, specialist workforce and excellent transport links.

KNOWLEDGE-SHARING, INNOVATION AND GROWTH

The close coupling between Copenhagen Science City, the existing city and the strong knowledge and research communities in the area means that the Science City can offer unique surroundings and opportunities for innovation and growth within the health and life sciences, cleantech and ICT.

One vision is to encourage sharing facilities such as laboratories, canteens and lecture theatres. This will facilitate new partnerships and provide meeting points for enterprises in the area, researchers and students; it will be an open portal for knowledge-sharing and collaboration.

ROOM FOR BOTH LARGE AND SMALL ENTERPRISES

Copenhagen Science City has room for any size of enterprise.

Copenhagen Bio Science Park (COBIS) acts as one of the area's incubators for new, research-intensive companies looking to locate close to the University and Copenhagen University Hospital. In other parts of the district, larger rental premises and sites for new construction mean companies can move their entire organisation to the area or relocate part of their organisation to Copenhagen Science City, for example their development division.

UNIQUE SURROUNDINGS AND OPPORTUNITIES FOR BUSINESSES [CONTINUED]

Specifically, Copenhagen Science City offers:

- Research facilities in Copenhagen Bio Science Park (COBIS) of 5,000 m² in 2012 and 12,000 m² from 2014.
- Self-contained rental premises of various sizes.
- Sites for new construction.

No matter whether you are a small, start-up business or a large multinational, Copenhagen Science City invites you to take an active part in developing Copenhagen's future business and research community. At the same time, your organisation can benefit from the diversity and activity which already characterises the Science City through the large number of exciting creative businesses which have already moved into the area.

"If I were to start a biotech company today, and I could do so in a place like Copenhagen Science City, it's perfect. There's everything I would need."

*Kirsten Drejer,
CEO of the biotech company Symphogen*

ACCESS TO A HIGHLY EDUCATED WORKFORCE

Companies have access to highly educated staff, including students and trainees. With its European School and International Citizen Service, Copenhagen also offers good opportunities and framework conditions for employees from outside Denmark.

EXCELLENT TRANSPORT NETWORK

Copenhagen Science City is situated on the border between the two attractive urban districts of Nørrebro and Østerbro. The major roadways, Jagtvej and Tagensvej run across the district, while the Lyngby motorway ends very close to the Science City. This provides good links for motorists and bus passengers. Furthermore, trains, the future Metro Cityring and good cycle paths make it easy to get to and from the Science City.

Copenhagen International Airport is also within easy reach. In the rush-hour it takes just half-an-hour by bus and train to get from the centre of Copenhagen Science City to the airport.

Green Light House, Copenhagen Science City
Photo: Kontraframe



// CASE: ULTRA-MODERN NEUTRON-SCATTERING FACILITY ENABLES NEW TECHNOLOGY

When one of the world's most modern centres for materials research (ESS) opens in 2017, positive impact will be felt throughout Copenhagen Science City. The test facility itself will be situated in Lund in Sweden, but all the data will be sent to a data-processing centre at the Science City. This will provide entirely new opportunities for research and new technology which will also benefit companies.

// CASE: PREMISES AND CONFERENCES

The Metropolitan University College hires out premises for courses, seminars, meetings, etc. The Metropolitan University College has Copenhagen's largest lecture theatre, seating 500, as well as smaller lecture theatres and teaching rooms, a gymnasium and laboratories.

The Metropolitan University College also offers courses and conferences related to virtually all welfare professions.

The future extension to Copenhagen Science City
3XN / Aarhus Arkitekterne

KNOWLEDGE INSTITUTIONS

- **The University of Copenhagen** is the largest educational institution in Denmark with approx. 38,000 students and 9,000 employees, of whom approx. 1,100 are international researchers. The University has one of Europe's strongest research and educational communities, with its base in Copenhagen Science City, which also contains the University's faculties for health sciences, natural sciences and biosciences.
- **Copenhagen University Hospital** supplies highly specialised treatment for patients from the Capital Region of Denmark, the Faroe Islands and Greenland and it has 8,000 staff. As the university hospital of Copenhagen, Copenhagen University Hospital participates in research and development projects at an international level and trains many thousands of medical and health students at both pre-graduate and post-graduate levels.
- **The Metropolitan University College** offers medium-cycle post-secondary education programmes within health and technology as well as graduate education programmes. The College has 1,000 staff and 10,000 students.
- **Faculty Libraries of Science, Pharmaceutical and Health Sciences**, with almost 500 study stations, more than 450,000 annual visitors and 40,000 personal enquiries, are important meeting places for students in the district. The libraries provide access to approx. 35,000 journals, 1,400 databases and reference works as well as half a million e-books. The libraries are open to the public.
- **Copenhagen Bio Science Park (COBIS)** opened in 2009 as a research park and incubator specialising in biotech. COBIS offers premises, facilities and services for up to 50 enterprises and development projects within the health and life sciences, biomedicine and biotechnology.
- **Bioneer:FARMA** is an approved technological institute which supplies laboratory studies for the pharma industry, acts as a link between university and industrial research, and focusses on unmet needs for technological services to support small and medium-sized enterprises wanting to develop new drugs.
- **Copenhagen Innovation and Entrepreneurship Lab (CIEL)** is a collaboration between the University of Copenhagen, Copenhagen Business School and the Technical University of Denmark to ensure that students receive practical experience with cases developed by and or in close collaboration with, enterprises within cleantech, renewable energy and welfare. The goal is to increase the number of start-ups initiated by students by 10% up to 2016 from the current annual 120 start-ups.
- **Biopeople** is Denmark's innovation network within the health or life sciences, and it is a meeting place for private companies and public institutions.

CONTACT

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For more information about Copenhagen Science City,
go to www.copenhagensciencecity.dk



PROFESSIONSHØJSKOLEN



KNOWLEDGE INSTITUTIONS:

- Faculty of Science
- Faculty of Health Sciences
- Copenhagen Biocenter
- COBIS
- The Faculty Libraries of Science, Pharmaceutical and Health Sciences
- Metropolitan University College
- Copenhagen University Hospital

