



UN GLOBAL COMPACT

COMMUNICATION ON PROGRESS 2015





WE SUPPORT

COMMUNICATION ON PROGRESS 2015



CEBRA a/s
Vesterbro Torv 1-3, 2. sal
8000 Aarhus C
Denmark

P: +45 8730 3439
E: cebra@cebraarchitecture.dk
W: www.cebraarchitecture.dk



STATEMENT OF SUPPORT

CEBRA joined the UN Global Compact in 2008 and we hereby state our continued support of the initiative. We commit ourselves to continuously implementing the Global Compact's ten principles in the areas of human rights, labour, environment and anti-corruption in our vision, strategy and every-day practice.

At CEBRA, we insist on thinking all our business aspects within a sustainable context. Keeping the Global Compact principles in mind, we work with the belief that through our professional expertise as architects, we are able to promote, develop and initiate significant and substantial changes, which provide a lasting and sustainable framework for our societies. Our goal is to challenge the world we and our architecture live in through a holistic approach to sustainability, which takes environmental, social, economic and cultural aspects into account.

Hence, I am pleased to place my signature and post our Communication on Progress, stating our continued support and efforts regarding the application and instrumentalisation of the ten principles.

Aarhus, 05.08.2015



Kolja Nielsen
CEO, architect MAA & RIBA



CEBRA A/S

Vesterbro Torv 1-3, 2
8000 Aarhus C
Denmark

P: +45 8730 3439
E: cebra@cebra.info
W: www.CEBRAarchitecture.dk



ORGANISATION

CEBRA is a Danish architecture and design practice, founded in 2001 by architects Mikkel Frost, Carsten Primdahl and Kolja Nielsen. The office employs a multidisciplinary international staff of 30 architects, constructing architects, urban planners, academics and administrative personnel.

CEBRA is run by a management team consisting of the three founding partners, who are at the head of the office's creative work and strategic development. The three partners are all members of Danish Architects' Association and RIBA and CEBRA is a member of the Danish Association of Architectural Firms.

Since the office was founded in 2001 CEBRA has gained recognition through award winning projects in Scandinavia and a growing international portfolio. CEBRA covers all architectural disciplines and is providing services throughout all project phases – from client advisory over idea and concept development to project and construction management as well as technical supervision. The projects cover a wide field of scales and typologies and range from urban planning over new buildings to extensions, refurbishment and the combination of existing and new structures, including listed buildings and cultural heritage sites.



PROFILE

CEBRA is a multidisciplinary Danish practice that focuses on progressive architecture and design, from buildings and public spaces to large scale urban planning. Architecture is universal and a meeting between cultures and disciplines. Our staff consists of skilled people with specialised talents from Denmark and all around the world - with one thing in common, the passion for architecture.

CEBRA's ideology is very spacious - it mutates and adapts according to circumstances, yet always remains relevant and modern. Despite the ideological diversity, there is a signature in CEBRA's architecture - a certain way of doing things in terms of design and architectural spaces, an aesthetic preference that unites the variety of our projects.

CEBRA's working process is based on dialogue and we consider our work to be interdisciplinary, collaborative and content driven with an underlying sustainable scope, making social responsibility and user needs the creative fuel for our architecture.

That is why CEBRA's architecture is often called people friendly, whether we design housings, schools or an entire neighborhood. It merges human empathy and architectural expression into individual projects that adapt to their local context, their social environment and their users.





HUMAN RIGHTS

PRINCIPLE 1

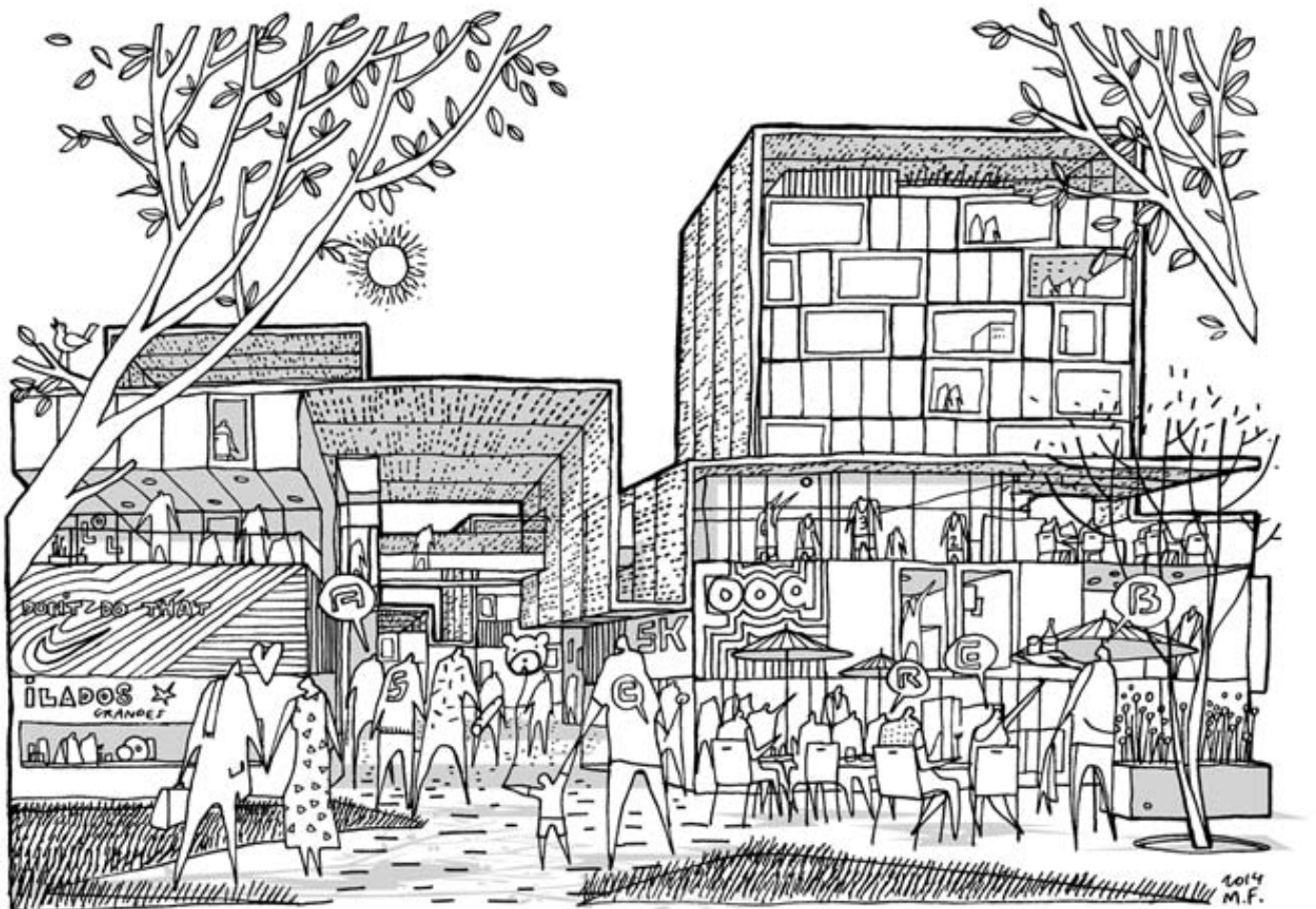
Businesses should support and respect the protection of internationally proclaimed human rights.

PRINCIPLE 2

Businesses should make sure that they are not complicit in human rights abuses.

CEBRA complies with the 30 articles of the Universal Declaration of Human Rights and with Danish national legislation, which meets the standards of international conventions.

As architects, we have the privilege and the professional responsibility to design lasting and sustainable frames for human life aiming at increasing life quality continuously. At CEBRA, social responsibility and user needs are made up the creative fuel of our architecture. Thereby, we actively support, promote and contribute to the development of environments, which secure the enjoyment of human rights. Amongst these environments, CEBRA works intensively with the development and design of the school and educational institutions of the future.





LABOUR

PRINCIPLE 3

Businesses should uphold the freedom of association and the effective recognition of the right to collective bargaining.

PRINCIPLE 4

Businesses should uphold the elimination of all forms of forced and compulsory labour.

PRINCIPLE 5

Businesses should uphold the effective abolition of child labour.

PRINCIPLE 6

Businesses should uphold the elimination of discrimination in respect of employment and occupation.

CEBRA supports the International Labor Organization's Declaration on Fundamental Principles and Rights at Work and complies with Danish work legislation.

CEBRA is a member of the Danish Association of Architectural Firms, which collaborates with The Danish Union of Salaried Architects and the Danish Architects' Association. These organizations safeguard and balance individual and commercial interests as regards collective bargaining, legislation concerning salaried employees, labor market, industrial and educational policies etc. and CEBRA is committed to and supports this system.

CEBRA's hiring policy and collaborative relations are solely based on educational and professional experience and skills, and do neither take race, gender, sexuality, religion nor political beliefs of the involved persons into account.





ENVIRONMENT

PRINCIPLE 7

Businesses should support a precautionary approach to environmental challenges.

PRINCIPLE 8

Businesses should undertake initiatives to promote greater environmental responsibility.

PRINCIPLE 9

Businesses should encourage the development and diffusion of environmentally friendly technologies.

As architects, we are in the prominent and exacting position of designing the physical surroundings of the future. Therefore, the implementation of the three principles concerning environmental responsibility are quintessential in every aspect of our practice. In the following we describe the mindset and actions, which form a red line through our office and practice.



QUALITY, SAFETY & HEALTH



Quality Management System

CEBRA is conducting quality management (QM) and project examination based on instructions and DS/EN of the Danish Association of Architectural Firms (DANSKE ARK) and the Danish Association of Consulting Engineers (FRI). The QMS is developed and adapted based on the following guidelines and standards:

- 'Quality management in architectural firms' by the Danish Association of Architectural Firms
- DS/EN ISO 9001:2008 standards
- The Danish Business Authority's circular letter on quality management from November 12th 1986

The QS handbooks are verified and updated continually, so that they are in accordance with company's goals and the experiences, which are collected during the development of various projects. The QS handbooks are distributed to clients as general information about CEBRA's QMS.

The following pages show the index of CEBRA's QMS manual. If there should be any need for further clarifications about the office's QM procedures, the QMS can be handed out on request.

CEBRA's intention is to manifest the office as a strongly design oriented and quality conscious architectural practice, always taking into account the client's wishes regarding architecture, building technology, schedules and budget. We seek to reach these goals by means of an analysing approach and qualified consulting based on professional knowledge. The underlying principle in CEBRA's quality management is to execute

the task right the first time. This principle is ensured by means of planning meetings and precise examination of every chosen solution in each project phase. In addition, we always aspire to prescribe high quality products expertise in the choices of building materials, sub-consultants and contractors. A continuous dialog with the client and all other involved parties defines the right levels of quality. These levels are incorporated and ensured in the program and planning phases by means of projekt examination and planning meetings.

Systematic quality management is based on an approach, where all activities and decisions regarding division of responsibilities are registered, substantiated, documented and filed. The minutes and results of the different project examinations are written down in standardised forms and registered in project journals.

Safety and health

CEBRA organizes safety, health and working environment according to Danish law and regulations ("Bekendtgørelse om projekterendes og rådgiveres pligter m.v. efter Lov om Arbejds miljø, Arbejdsministeriets bekendtgørelse nr. 574 af 21. juni 2001 med senere ændringer").

CEBRA has a certified safety coordinator, who has completed the "working environment education for coordinators of safety and health regulations on building and construction sites". The coordinator is responsible for the development, implementation and accomplishment of the safety and health systems.

ENVIRONMENTAL MANAGEMENT

CEBRA is conducting environmental management according to guidelines of the Danish Association of Architectural Firms.

As developing, executing and advising company we have to be prepared for the society's ever increasing demands concerning a sustainable development of the building sector, which e.g. includes restrictions regarding the energy and resource consumption and the usage of materials with minimum impact on the environment.

With the implementation of well prepared and made-to-measure environmentally responsible planning we can meet the demands and wishes of developers and the society, whether it is to contribute to a sustainable development, reduce operating costs, create a good indoor climate for employees and visitors, strengthen the building's image or heighten the buildings overall quality

Environmentally responsible planning and sustainable initiatives are all about ensuring environmental optimum results within the given framework stated by the client in the competition or building programme, based on a general main environmental policy and the building task's preconditions.

In order to achieve these objectives, the group of advisers can, on the client's initiative, contribute to:

- map environmental impacts and effects,
- determine environmental goals
- lay down an environmental program and plan, incl. description of activities, organisation, schedule and budget,
- carry out environmental assessments,
- propose instruments and prioritize those in consultation with the client,
- ensure that all executing parties live up to the environmental goals stated in the environmental programme.

Goal-oriented environmental management from the very first phases of a project contributes to determine financially advantageous solutions, when a building's overall economy, including the total construction and running costs over the entire lifespan of the building, are assessed. An overall economic quantification includes an evaluation of the possible advantage of accepting higher acquisition costs in order to achieve lower

operation costs for electricity, water, heating, climate control, waste treatment, fewer sick days and less resource-intensive maintenance throughout the building's lifetime.

Looking at a building's lifespan, only a few percent of the building's total energy consumption derive from its construction, while by far the largest part is used to operate it. From a construction economical point of view, financial austerity hardly ever pays off in the long run.

Responsibility and competence regarding possible environmental activities during the programming, planning, construction and operation phases are determined parallel to the project organisation. Depending on the client's wishes and the complexity of the task at hand, an environmental coordinator is involved in the project's planning management. The environmental coordinator adopts the coordinating position across individual professional disciplines and secures the connection between the environmental initiatives within the disciplines and the processing of the programme's environmental goals.

IED and DGNB

In order to ensure a clear strategy for the management of a project's sustainability aspects and parameters in order to effectively integrate program economy and core values CEBRA applies an Integrated Energy Design (IED) process. During such a process the building's environmental report is simulated and optimised by focusing on an optimal utilisation of passive properties from the earliest design phases. During the succeeding project stages the systems for covering the necessary energy needs by means of e.g. renewable energy sources are incorporated.

In addition, CEBRA employs a certified DGNB consultant, who has a specialised knowledge about the Danish model of the DGNB certification system. In 2012, the system has been enacted as the Danish model for setting sustainable building standards by means of a holistic approach, which takes into account a building's collective life cycle costs. Thus, DGNB considers environmental, financial, social and cultural aspects as well as technology, process management and a building's location and context. CEBRA specialises in continuously designing and planning buildings, which push the standards for the sustainable buildings and cities of the future.

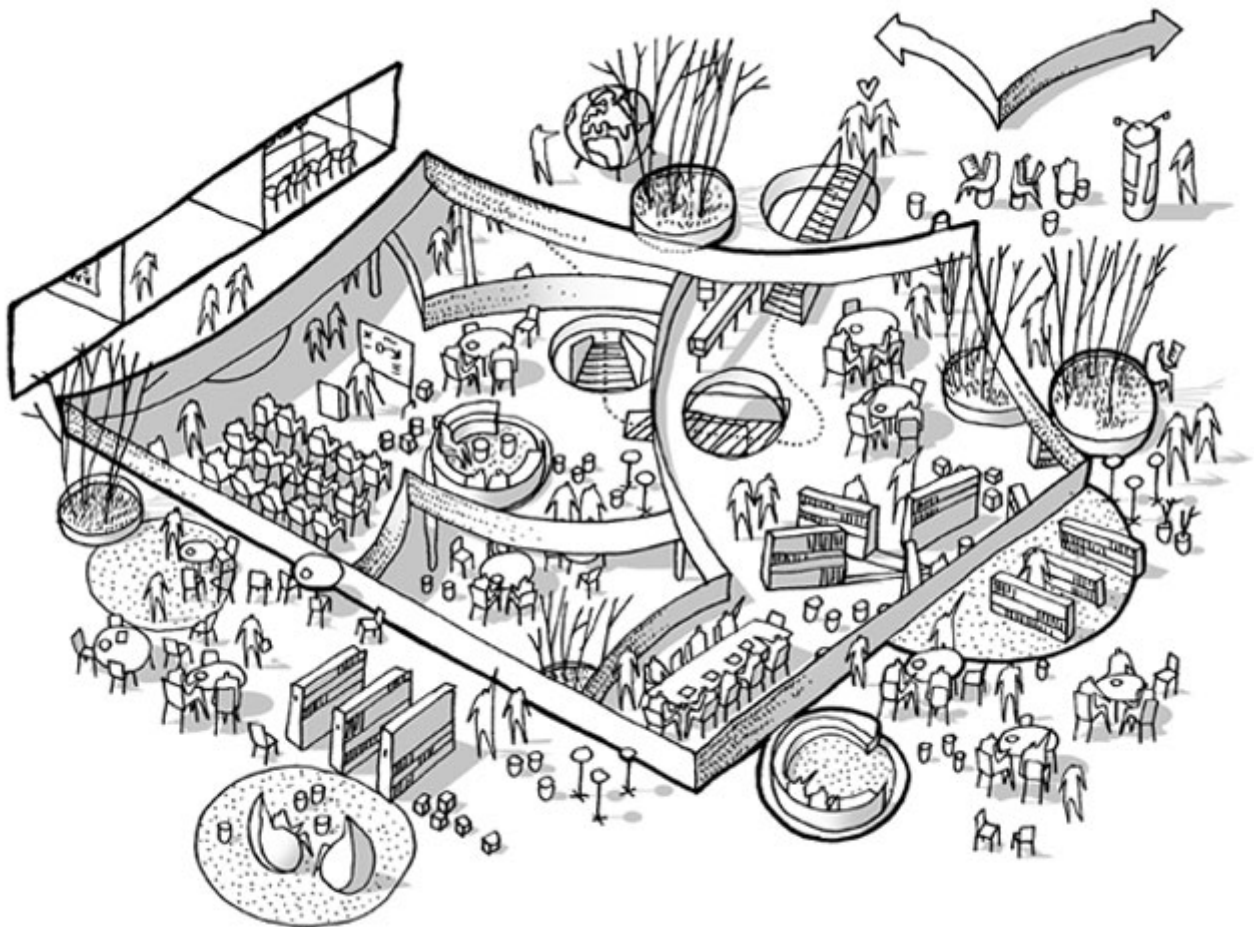


ANTI-CORRUPTION

PRINCIPLE 10

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

CEBRA supports The United Nations Convention Against Corruption. We fully comply with Danish and International legislation and dissociate ourselves from all forms of corruption, bribery and extortion. Our practice and business relationships are based on democratic values, mutual respect and transparency.





OUTCOME: SELECTED PROJECTS

- Children's Home of the Future
- HF & VUC Fyn
- Mesterfjellet School
- Nye - sustainable suburb of the future
- Sustainable Club House



OUR HOUSE



Category: Health & housing - care centre for marginalized children

Client: Kerteminde Municipality

Contact: Birgit Hjelme, +45 6532 3334, bhj@kerteminde.dk

Location: Kerteminde, DK

Type/status: Public/completed

Year: 2012-2014

Size: 1.250 m² GFA new building

Cost: DKK 32m/ € 4,3m excl. VAT

Services: Architectural services, lead design consultancy

Energy class: Low energy class standard 2015

Collaboration: Søren Jensen R.I., PK3

"Our House" – the Children's Home of the Future is a pioneering project for an entirely new type of 24-hour care centre for marginalized children. The concept combines the traditional home's safe environment with new ideas and conceptions of what a children's home is and which needs it should fulfill.

Thus, the project takes the familiar basic shapes of the typical Danish home as its starting point: the classic pitched-roof house and the dormer motif. By using the shapes in a new and playful way the design marks the house as an out of the ordinary place, which at the same time is recognized as a dwelling with a safe and homely environment.

"Our House" is basically organized as four interconnected houses in order to reduce the

building's scale and to create self-contained, varied units for the different groups of residents. The quartered shape is modified by the distinctive dormer profiles, which grow into and out of the individual houses, are turned upside down and even rise to form an observation tower. This flexible concept gives the residents the opportunity to set their own mark on the arrangement, décor and use of these 'bonus spaces' according to needs and activities.

The building's rational organization ensures short distances and proximity between the different units so that the personnel always are close to every resident. Thus, the personnel's working procedures are incorporated effectively in the daily routines, which frees more time for taking care of the children – more home, less institution.

HF & VUC FYN



Category: Education & learning - adult education centre
Client: VUC Fyn & Fyns HF-kursus
Contact: Lisbeth Simonsen, +45 6265 6550, lsi@vucfyn.dk
Location: Odense, DK
Type/status: Private commission/completed
Year: 2012-2014
Size: 13.600 m² new building
Cost: DKK 158m/ € 21,2m excl. VAT
Services: Architectural services, lead design consultancy
Energy class: Low energy class standard 2015
Collaboration: Skjøde, Henry Jensen

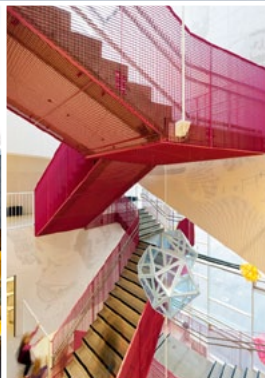
The new educational building for HF & VUC Fyn provide facilities for a staff of 215 and approx. 3.500 students over the course of a year. The aim of the building is to create a flexible and diverse learning environment that gives room for individual needs in a collective building. The design is characterized by a system of curved lines and rounded forms, which cut through the building volume's regular form and create transparent and various spatialities around a central atrium – a duality that generates interaction, diversity and versatility i regards of both the internal and external organization of the new Adult Education Centre. A series of curved incisions in the basic volume ensure interaction between the building's activities and functions and the city around it.

The building is organized around a transparent and very active atrium, called the Agora and named after the public gathering place in

ancient Greek cities that constituted the center of political, spiritual and artistic life in the city state. The levels of activity decrease gradually from the Agora and outwards with the most calm and private spaces located along the building's outer edges.

At the same time, this organizational principle is transferred from plan to section with the highest levels of activity and transparency at the bottom and spaces for contemplation at the top floor. Thus, the new AEC focuses on offering specialized and at the same time diverse learning environments, where students turn to those spaces and environments, which match their individual needs learning style. The functions on the different floor are organised in such a way, that the relations between class rooms and special rooms allow for cross-disciplinary and project-oriented lesson-plans.

MESTERFJELLET SCHOOL



Category:	Teaching & learning - 1st to 10th grade school with 3 parallels and health centre
Client:	Larvik Municipality
Location:	Larvik, NO
Contact:	Kristin Borander, +47 9823 1496, kristin.borander@larvik.kommune.no
Type/status:	Public commission/completed
Year:	2011-2014
Size:	6.000 m ² new building
Cost:	DKK 135m/ € 18m excl. VAT
Services:	Architectural services, lead design consultancy incl. interior design project and artistic decoration
Energy class:	Energy Class A (Norwegian standard)
Collaboration:	Buer, Various Architects, SPINN Arkitekt, Østengen & Bergo

The Mesterfjellet School project combines a new 1st-10th grade school with 3 parallels and a public health centre in a new building that is linked to the existing sports facilities at Farrishallen. The project is based on the idea of a very compact building with a minimal footprint. First of all, this makes it possible to reuse the old foundations of a previous school building, which is important due to highly complicated geotechnical circumstances. Secondly, it leaves more outdoor park and playground area for the children and creates distance to neighboring houses. This underlying idea resulted in a new building typology, which we call "the vertical campus".

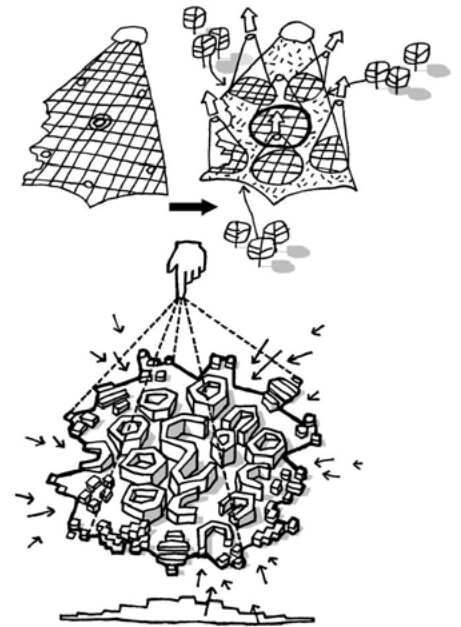
As opposed to a traditional atrium school with an introvert central space and skylights, the vertical campus contains a vertical multi-functional space that reaches all the way to the facades creating a connection between indoor

and outdoor areas. The school's common areas are grouped around this vertical space, which is similar to a traditional theater space with a tiny stage-like floor and a number of cantilevering balconies from which the children can overlook the heart of the school. Thus, the central area is humming with life and activities throughout the day while at the same time ensuring short internal distances and synergies between different functions.

In addition, the extrovert central space also acts as a linking element when the building is seen from the outside. The space and the adjacent library stand out from the school's wood clad volume with their large transparent glass section, which creates visual connection between all building floors and the outdoor space. The glass section provides natural light and views and expresses the school's openness and relationship with the local community.

NYE

Category:	Planning - new sustainable suburb for 10-15.000 inhabitants
Client:	Tækker Group
Contact:	Jørn Tækker, +45 8619 1844, jt@taekker.dk
Location:	Aarhus, DK
Type/status:	Private commission/ongoing
Year:	2009-2012 - master planning 2012-2014 - political reading and public hearing 2014-2015 - design phase of stage 1
Size:	220 ha
Services:	Process management, authorities consultancy, masterplanning, user involvement, architectural services and design consultancy
Collaboration:	Tækker Group, Niras Planning



Over the past 50 years the population of Aarhus has doubled. However, the town footprint has grown fourfold in line with the increased popularity of single family housing. Since it is believed that Aarhus will further increase by 75,000 people over the next 20 years, the municipality recommends more dense development to avoid sprawl in the future.

These facts are the prime motivation for CEBRA and Tækker Group's development of Nye, a sustainable suburb that will eventually house up to 15,000 people to the north of Aarhus. The master plan outlines the area's development into a new suburb that is based on principles for holistic sustainable urban planning.

The master plan aims at creating a new city that is shaped by sustainable ideas and systems that include environmental, economic as well as social aspects. Nye is to be developed as a self-contained urban society with all the functions and aspects of an active city life, which inhabitants look for in historical city centres, while at the same time establishing close relations with the surrounding landscape and nature.

Architecturally, Nye combines the best elements from the dense city centre and the green, open suburb respectively. The overall planning strategy is based on a principle of proximity. The spaces in between the built up areas are given special attention, including green activity areas, biking and walking paths. In order to motivate residents to walk and bike, Nye is divided into clusters with a walking time from the centre to periphery of no more than ten minutes.

Nye is to be a city that challenges and advances existing standards of sustainable planning and that creates an optimal framework for living and working, which inhabitants are proud to be living in. In short, a socially diverse and green city with a strong individual identity.

Six clusters are placed around a city centre with a light rail station and shopping markets distributed in dense hexagonal city blocks. The clusters around it all have unique identities partly based on their local context; for instance, The Blue City that is located to the south at the bottom of the sloping terrain of the site and integrates rainwater treatment as a



visible and recreational element. Rainwater treatment is one of the major sustainable initiatives, as Nye is surrounded by natural streams, ground water reservoirs and a lake. Green roofs, open canals, pools and new lakes are used to gradually treat rain water, before leading it back into the natural circuit.

Another cluster is characterised as The Active City with sports and recreational facilities woven into the urban fabric in the form of running tracks, outdoor fitness, sensory gardens for meditation etc. The activities literally set their mark on the cluster as its outdoor common areas are shaped by movement, sports and play.

Nye is an example of how conscious urban planning thoughtfully integrates green public spaces into a densely built up urban area in order to create a strong local identity and to offer a variety of experiences for the inhabitants and the general public. The spaces in between the built up areas are carefully developed and incorporated into the overall planning of the city as valuable tool that serves several significant purposes in order to ensure a high quality of urban life: establishing a strong sense of place, creating a green framework for social meeting points and leisure activities, incorporating sustainable initiatives such as rainwater treatment and climate proofing, reducing heavy traffic and promoting walking and biking.



SUSTAINABLE CLUB HOUSE



Name:	Sustainable Club House
Commission:	Public
Type:	Lead consultancy
Category:	Sports
Client:	Aarhus Municipality
Location:	Lystrupvej, Lystrup, DK
Year:	2010-2013 - completed
Purpose:	Club house
Size:	450 m ²
Budget:	DKK 10 mio. excl. VAT
Awards:	Competition 1st prize
Services:	Lead consultancy services (incl. landscape)
Energy class:	CO ² -neutrality
Collaboration:	Esbensen, Sloth Møller R.I.

The Aarhus Municipality has drawn up an ambitious climate plan that aims reaching CO₂-neutrality by 2030. As part of this plan the city wishes to make the new club house for sports club LIF a sustainable building with a minimal CO₂ footprint that can stand as a showcase of sustainability and serve as an example for larger projects. With this project, the city gains knowledge about new low-emission construction methods, which consequently can influence both future behavior and legislation and show how to integrate sustainable solutions as well as innovative design

The project is designed in a close collaboration between the client, the users, engineers and CEBRA by means of Integrated Energy Design (IED) based on CEBRA's process and user involvement tools. This creative design process focused on reaching an optimal combination of functionality and sustainable choices within a limited budget.

The project is based on an equal share of both high and low-tech solutions. We introduced simple elements, such as heat storing sand fill, a drain layer of mussel shells and the use of eaves to protect the facade and prevent overheating and the need for cooling. Since the building is primarily used during the summer, all traffic between specific rooms takes place outside under the eaves. This essentially reduces the total surface area and heat, light and maintenance costs.

