



CIB NEWS ARTICLE

International Council for Research and Innovation
in Building and Construction

Providing a global network for international exchange and cooperation in research and innovation in building and construction, in support of an improved building process and of improved performance of the built environment.

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CIB Full Member Profile

Rambøll, Virum, Denmark



by Lone Møller Sørensen

For more than 60 years Rambøll has provided consultancy services in the field of building. Today, Rambøll is a leading knowledge – based company operating in a broad international context from close to 130 offices in the North European region and from around 20 offices in the rest of the world.

We are 220 highly skilled experts in Region Copenhagen working under the same roof which makes us the largest professional engineering environment in Northern Europe. Our most distinctive feature is our high level of expertise.

We supply solutions developed in close cooperation with our clients. Our knowledge ensures that we provide our clients with the optimum solutions tailored to their requirements

We are active within the following business areas: Technical solutions, Client consultancy services, Operation, maintenance and renovation, and Turn-Key Consultancy.

We focus on the following markets, in which we contribute with innovation and development to the benefit of our clients and their customers:

- Culture & Creativity
- Health & Care
- Living & Working Space

Culture & Creativity

Rambøll provides settings for great experiences. In performance venues such as concert halls and theatres, acoustics, light design and the seating play important roles in creating the appropriate relationship between audience and performer.

Cultural experiences in all forms

There is a growing demand for new and refurbished spaces where people can enjoy cultural experiences of all forms. Art galleries, museums, concert halls, football stands, swimming pools, sports arenas, leisure centres and “experience parks”.

We collaborate closely with our customers’ investors, authorities and architects to imagine, design and create spaces that promote elegant, extraordinary experiences. Our local, regional and international projects range from exciting new museums, football stands, galleries, theatres and sports halls to the refurbishment of existing and historic cultural buildings and sites.

Efficient, suitable and spectacular design

As consultants we offer engineering services for programming, designing, constructing and operating all types of buildings. To deliver the most efficient, suitable and spectacular design, we combine a number of our specialist technical services such as building design, sustainability, energy, indoor climate, acoustics and lighting.

In performance venues like concert halls and theatres, acoustics, lighting design and seating play important roles in creating an intimate and optimal relationship between audience and performer. Easy access to bars and restaurants, shops and exits also play an important role in providing a positive visitor experience.

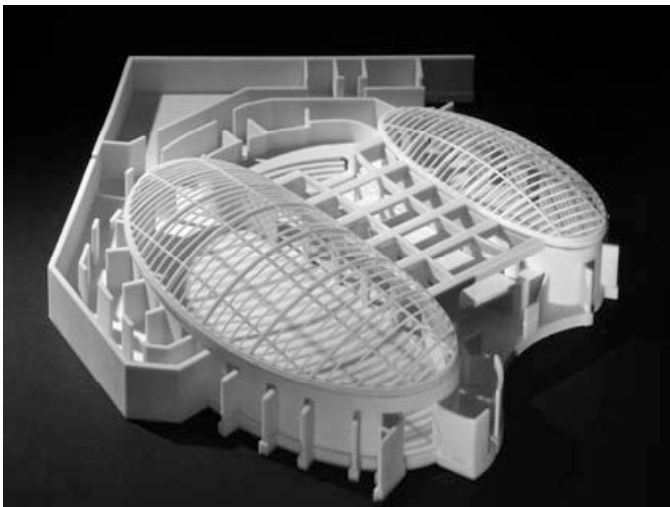
New design technologies such as 3D, project web and visualisations are incredible tools for creating impressive cultural buildings. They facilitate more informed decision-making and allow multiple stakeholders to expand their involvement and commitment to each project.



The Opera House in Copenhagen, Denmark



The new Concert and Conference Centre, Reykjavik, Iceland



3D model of the Elephant House, Copenhagen, Denmark

Health & Care

Our work in the health sector is all about creating environments that maximise well-being and enhance the quality of life.



The new Elephant House, Copenhagen, Denmark

Helping people and the environment

We provide consultancy, analysis and process assistance for a wide range of facilities. This includes hospitals and healthcare centres, pharmaceutical industry buildings, research environments, residential homes, and wellness and recreation centres. Our solutions cover all phases of a project from bidding to advising on renewable strategies, environmental targets and life-cycle costs.

Whatever the project involves – overseeing project management, engineering energy-efficient facades, or creating 3D drawings – we strive to create solutions that help people and the environment. We make it our priority to understand the latest research into healthcare and apply it to the way our customer’s existing healthcare facilities work. This enables us to deliver solutions that fit smoothly into our customers’ existing facilities – while making it easy to integrate new examination and treatment methods. We aim to balance functionality with a healthy atmosphere; economics with sustainability.

Multidisciplinary approach

As always, our multidisciplinary approach plays an essential role in every project. We combine our engineering, management and IT knowledge with the expertise of leading architects, and often apply “healing architecture” methods. And we strictly adhere to an evidence-based design process to ensure that our solutions produce the right results. Working closely with our customers, their end-users and health-sector experts, we help our customers manage their facility projects. We also work with management teams to prepare them for the challenges they will encounter and help them optimise their organisation.



Hvidovre hospital, Hvidovre, Denmark



Medical House, Aalborg, Denmark

Living & Working Space

What do future head offices look like, what are the requirements of the client, end-users and other interested parties for head offices of the future. Through a number of work shops we have worked with different scenarios to follow the development of interested parties and their expectations within the next 10 years. The aim is to map the competences required by the consultants of the future in order to be trend-setting and the clients' preferred consultant within the different types of head office buildings.



Ramboll is providing all consultancy services as regards to Ramboll's own new head office in Copenhagen, Denmark



SEB Bank's new domicile in Copenhagen, Denmark



Copenhagen Golf Park in Ørestad, Copenhagen, Denmark



Hotel Bella in Copenhagen in Ørestad, Copenhagen, Denmark

Innovation and Sustainability

The building and construction sector is developing in line with developments in society generally in terms of new trends and new technological capabilities. This spurs us to adapt and to view buildings from a totally new perspective – whether we are looking at buildings for education, commerce, health, culture or housing. In recent years, cultural buildings have become more experience-based, and health concepts now also embrace wellness and well-being.

The massive focus on climate change also makes new, exacting demands on the building sector. If CO₂ emissions are to be reduced, our buildings have to consume considerably less energy. Sustainable building means considering a building's entire life cycle, from construction phase to demolition. Energy and water consumption must be minimised. User comfort has to be first-rate and the construction materials must be manufactured in such a way as to minimise pollution.

Ramboll develops solutions to match current trends – in close cooperation with our customers. We are committed to innovation and are among the leaders in lighting design, 3D-visualisation and 3D-designing. The application of 3D-technologies enables more people to be involved during the construction phase, and ensures the best possible solutions and excellent results.

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