“BEING DECENT AND PROPER DOES NOT ONLY CONCERN WHETHER YOUR TIE IS IN PLACE WHEN DOING BUSINESS. IT IS ABOUT TREATING OTHER PEOPLE AND SOCIETY RIGHT IN A LONGTIME PERSPECTIVE”

B.J. Rambøll
COUNTRIES WITH PERMANENT OFFICES
NORDIC REGION: Denmark – Copenhagen, company head office, Finland, Greenland, Norway, Sweden
EUROPE: Belgium, Cyprus, France, Germany, Italy, Netherlands, Poland, Romania, Russia, Spain, Switzerland, United Kingdom
MIDDLE EAST: Kingdom of Saudi Arabia, Qatar, United Arab Emirates
ASIA-PACIFIC: Australia, China, India, Indonesia, Malaysia, Myanmar, New Zealand, Singapore
THE AMERICAS: Brazil, Canada, Mexico, USA
AFRICA: South Africa

Owned by the Ramboll Foundation and our staff, high ethical standards as well as responsibility towards society and employees are ingrained in our cultural DNA. Ramboll was value-based long before it came into fashion and we live our values everyday.

We constantly strive to achieve inspiring and exacting solutions that make a genuine difference to our customers, end-users and society as a whole. We will provide our clients with bold, bespoke and innovative engineering solutions that are economic, buildable, sustainable, functional and delightful.
WHAT’S MISSING WITH SUSTAINABLE BUILDINGS TODAY?

In recent years the building industry has focused on the physical aspects of sustainability, i.e. reduced the environmental impact of buildings, without sufficient consideration for the human perspective and the end users. This causes too many buildings to fail to serve the present and future needs of the end user and to deliver value to its owners and users over time.

Buildings often fail to contribute to a higher economic prosperity and identity in the community where they are located. Too many buildings still also have too much of a negative impact on our planet’s resources.

Truly sustainable buildings are attractive and fit for the purpose of the building users and at the same time have a low environmental impact throughout its life span and fulfil their social and cultural potential.

Ramboll believes that the human and environmental perspectives are important in everything we do. We believe that our consultancy services can contribute to a better society.

Ramboll’s Liveable Buildings Concept contributes to making this belief a reality.

The diagram shows how the building industry has focused on different issues over time. Based on our understanding of the issues that are important now and the ones that we think will be important in the foreseeable future, we have created a holistic and sustainable building concept and design process that we call Liveable Buildings concept.
WHAT WE BELIEVE

We believe that buildings should be designed to be attractive and liveable for the individual users. Instead of a limited focus on environmental sustainability, at Ramboll, we talk about liveability.

Liveability describes the conditions required for a good life for all the inhabitants in cities, regions and societies regarding their physical as well as mental health. Sustainability is a fundamental precondition to improved liveability.

We focus on three dimensions: The cultural, the social and the physical dimension. All three dimensions should be considered when a site is developed in order to make it successful and sustainable.

Each building has a unique purpose and setting. Ramboll’s engineers and architects analyse the context and the purpose of the building and will provide alternative solutions tailored to the individual building in order to create a liveable solution.

In 2013, Ramboll set up its Liveable Cities Lab, a laboratory dedicated to supporting cities by envisioning their future needs and development. We do this by addressing global challenges such as demographic changes, urbanization and climate change through a multidisciplinary approach. But in order to create a holistic and coherent city or neighbourhood, the buildings must be liveable and sustainable as well. But what does liveability mean on a building level?

In order to find answers to this question, we invited our most forward thinking clients and over a hundred Ramboll sustainability experts to a conference in 2015, which we named “The Liveable Building Challenge”. The purpose was to explore how Liveable Buildings should be designed.

One of the main conclusions of the conference was that a building should be designed for its end-users in connection with its context and with respect for the planet. Ramboll’s Liveable Building Concept has been developed to explain what kind of buildings we want to achieve, and how we do it.

Our concept engages the whole project team to create sustainable and attractive buildings with high long-term property value. The concept encourages a human centric perspective where human needs are in the centre of design, both the needs of the individual and the wider society.

We believe that no building should be an island. Our concept addresses cultural, physical and social values in a systematic and holistic way that is unique.
THE CONCEPT

WHAT MAKES A BUILDING LIVEABLE?

The concept focuses on a cultural, social and physical dimension. For each dimension we have identified a number of values that need to be addressed in the design process.

The combined result of all indicators contributes to a building being liveable and attractive. The objectives for the indicators can be adjusted to allow third party certification of the building.

By systematically discussing all indicators the project, design teams are directed to consider not only environmental issues, as is commonly done today, but also social and cultural issues.

The process has a holistic scope, provides an open thought platform and can at the same time guide the project team through the design process in a transparent and efficient manner.

The result is a clear description of issues to consider for the building design. The developer can evaluate the benefits of suggested solutions, costs for the solutions can be calculated and responsibilities for implementation can be...
assigned. The chosen solutions and functions of the buildings can easily be communicated to stakeholders and investors.

An example of an indicator could be healthy and productive indoor climate ensuring a healthy indoor environment by providing high fresh air quality levels reducing interval CO2 levels which can result in improved productivity.

Also balancing the requirements for views out and mitigating glare issues, improves the indoor environment as people can see the task they are doing without having glare affecting this.

"WE VIEW BUILDINGS AS A PART OF THE SOLUTIONS FOR A SUSTAINABLE AND ATTRACTIVE SOCIETY".
OUR FUNDAMENTALS

OUR COMMITMENTS

CLIENTS
We act as a trusted partner, always passionate about the success of our clients.

SOCIETY
We are an active member of society contributing to its sustainable development. We avoid taking on projects that are damaging to society or destructive to the natural environment.

PEOPLE
We care for all employees and their development through leadership, investment in people and equal opportunities.

COMPANY
We are dedicated to Ramboll’s legacy and long term success through top tier performance, sound business principals and adherence to our values.

“OUR LIVEABLE BUILDINGS CONCEPT BALANCES CULTURAL, SOCIAL AND PHYSICAL VALUES OF THE BUILT ENVIRONMENTS.”

IMAGE 02: Navitas Building, Aarhus
IMAGE 03: Dokk 1 Library and Citizen Service Centre, Aarhus
Ramboll has an integrated and multidisciplinary approach.

We listen to the dreams and ambitions of our client and, based on that and the scope of the project, we define the frames for the discussion within the project team.

The project team is invited to discuss the design aspects and relevant values in terms of possible solutions; benefits for the property owner, building users and other stakeholders; how the indicator can contribute to a lower environmental impact and; how the indicator can contribute to a higher long-term value. Responsibilities, often cross-disciplinary, are given for development of the solutions for all relevant indicators.

The chosen solutions are implemented in the ordinary design documentation and can be cost calculated and used as procurement documentation in the same way as all standard building design solutions.

“OUR LIVEABLE BUILDINGS CONCEPT INTEGRATES KNOWLEDGE FROM ALL OUR FIELDS OF EXPERTISE - CREATING THE BEST SOLUTIONS FOR EACH PROJECT.”

Image 04: Green Solution House, Soren Peter Kristensen
PURPOSE & BENEFITS

CULTURAL VALUE
- Viable use of human resources
- Individual needs and wellbeing for everyday life
- Expression and diversity
- Inspiring indoor aesthetics
- Enriching experiences

SOCIAL VALUE
- Viable use of community resources
- Relations between humans-building-surroundings (sensing)
- Connection to surrounding social environment
- Neighbourhood identity and aesthetics
- Contribution to local economy

PHYSICAL VALUE
- Viable use of natural resources
- Healthy and productive indoor environment
- Adaptability, flexibility and durability
- Circular solutions
- Optimised and balanced use of systems, technology, resources and methods
CLIENT PURPOSE & BENEFITS
Our clients lie at the heart of our work at Ramboll and they are a vital component of Liveability concept. Ensuring that our clients receive the best building possible is of vital importance and the Liveability concept will allow us to implement measures so this can be done in the most effective way.

Adopting the cultural, social and physical values of the Liveability concept allows us to access our clients aims and visions for their building and deliver liveable concepts that will achieve these aims. By adopting a formal process we are able to ensure that the outputs can meet our client expectations and they can identify the value in this service on the end product.

Our clients want to see value for money and also us to deliver the most value for the project. Using the Liveability concept we are able to identify measures at an early stage that will add this value in both tangible and intangible ways while also giving the client a sustainable reputation.

Our Liveable Buildings concept is an enabler for the integrated design process. Thereby our clients benefit from our wide ray of expertise being brought into play through integrated approaches.

The concept encourages structure and freedom of thought for early stages. It supports a goal oriented, positive and open-minded approach for a cost efficient work process while engaging the whole project team by systematically working on all aspects considered important in today´s society.

This ensures that we focus on creating the best project possible and enables creation of sustainable and attractive buildings with a high long-term property value. The concept is suitable for all types of buildings regardless of size or location - it can be used for refurbishment, new production and facility management.

"THROUGH OUR LIVEABLE BUILDINGS CONCEPT WE CONSIDER HUMAN BEINGS THE UNDERLYING BASIS FOR OUR SOLUTIONS."
Buildings users play a fundamental part in how buildings are designed and operated. We spend a great deal of time in buildings either at homes or at work and as a result they need to be design for people to be used and a focus of high quality indoor environments where health, wellbeing experience and aesthetics is accounted for.

The Liveability concept allows us to focus on elements of social, physical and cultural values affecting building users to ensure that buildings are well regulated, have reduced resource consumption and are well regulated for everyday use.

We want to design buildings that people want to use and create value in their surroundings, our Liveability concept can help achieve this by focusing on high quality indoor environments where health, wellbeing, experience and aesthetics are central values result in designs that makes the best possible settings for end users to unfold their lives.

“WE AIM AT IMPROVING QUALITY OF LIFE THROUGH OUR LIVEABLE BUILDINGS CONCEPT.”
SOCIETY PURPOSE & BENEFITS
Buildings themselves should enhance the surroundings that they are built in. Buildings should be built with the surrounding environment as one of the fundamental aspects of the design.

Our Liveability concept allows for these aims and the benefits that come with this to be realised. The benefits allow us to focus on creating better and more sustainable solutions for the built environment and society and increase liveability in society.

The concept allows us to focus on integrated and cross-disciplinary solutions that enable a generally higher level of quality in our surroundings and society.

The social benefits of the Liveability concept is that it establish a language for discussing some of the less technical and measurable aspects of the green transition and engages the whole project team in systematically working on all aspects considered important in today’s society.

“We want to create the best possible environments for every one.”

IMAGE 08 & 09: Ramboll Head Office, Copenhagen
CONCEPT DELIVERIES

IN A TYPICAL BUILDING PROCESS

Our Liveable Buildings Concept is developed to promote and substantiate sustainable solutions in the built environment. We have carefully designed our approach to help define and support the visions and goals of our clients.

We consider each step of the building process valuable and at all stages we aim to create and develop value through sustainable solutions in balancing each aspect in each project. Therefore, we have also defined concept deliveries for each stage to secure high quality process and integration of all aspects of liveability solutions when needed.

“OUR APPROACH FACILITATES INTEGRATED LIVEABILITY SOLUTIONS TO INCREASE VALUE FOR PEOPLE IN THE BUILT ENVIRONMENT.”
TECHNICAL DESIGN
CONSTRUCTION
HANDOVER & CLOSE OUT
IN USE