DEVELOPING LIVEABLE CITIES

WWW.RAMBOll.COM/LIVEABLE-CITIES
LIVEABLE CITIES

THE RAMBOLL GROUP
Ramboll is a leading engineering, design and consultancy company founded in Denmark in 1945. We employ close to 10,000 experts and have a significant presence in Northern Europe, India and the Middle East. With close to 200 offices in 21 countries, we combine local experience with a global knowledge-base. We constantly strive to achieve inspiring and exacting solutions that make a genuine difference to our customers, end-users and society as a whole. Ramboll works across the markets: Buildings, Transport, Environment, Energy, Oil & Gas, and Management Consulting.
www.ramboll.com

BUILDINGS
Ramboll’s design philosophy is to always make room for the human experience. As one of Europe’s top 3 buildings designers with decades’ of experience in the global market, we create visionary, sustainable, and award-winning buildings that improve life for users and enhance the surrounding landscape.
www.ramboll.com/buildings

TRANSPORT
Ramboll has been working on some of the world’s largest, most innovative infrastructure projects and is the leading consultancy in the Nordic market. We create value for transport authorities, contractors and local authorities by providing multidisciplinary technical excellence and minimising resource usage.
www.ramboll.com/transport

Front cover: Chicago Lakeside - Skidmore, Owings & Merrill LLP/MIR
LIVEABLE CITIES
Cities have become the engines of economic prosperity and development. Over the next two decades, it is estimated that the global middle class will expand by another three billion people. Ramboll helps cities become more liveable and improve their competitive edge through a full suite of competencies necessary to provide a holistic, cutting-edge city offering.
We have a proven track record in delivering world class solutions that drive the development of liveable cities. We combine our design and engineering services with our socio-economic and process competencies and thereby offer a comprehensive integrated service.

ENVIRONMENT
As the leading environmental consultancy in Northern Europe and one of the top-20 globally, Ramboll’s environment experts advise customers across the water, buildings, transport, energy, oil & gas, and mining markets. We take a comprehensive view of each project to deliver solutions that are technically resilient, environmentally sustainable, and valuable to society.
www.ramboll.com/environment

ENERGY
Ramboll is the global market leader in offshore wind, waste-to-energy and district heating consulting and the leader in Scandinavia for large-scale thermal power consulting. We also have a specialist competence in designing power transmission masts and offshore wind met masts.
www.ramboll.com/energy

OIL & GAS
Ramboll works with Oil & Gas customers to deliver advanced technical solutions that combine economic efficiency with stringent health, safety and environmental safeguards during the production and distribution processes. Working across the entire project cycle, we excel in offshore engineering and have designed structures for industry giants since the 1970s.
www.ramboll.com/oil-gas

MANAGEMENT CONSULTING
Ramboll acts as a trusted partner to public administrations to create the insights needed to make informed strategic decisions that promote stronger societies. We also empower private sector customers with expertise and powerful management tools.
www.ramboll.com/management-consulting
Urban solutions have been part of Ramboll’s DNA in the past many decades, and as such, urban solutions constitute a major part of what we do across our market areas and professional disciplines. We have a proven track record in delivering world class technical and engineering solutions within urban development.

Cities worldwide increasingly compete against each other and seek to create an attractive environment that increase satisfaction amongst local inhabitants and attract businesses and tourists.

We help cities become more liveable and improve their competitive edge through a full suite of competencies necessary to provide a holistic, cutting-edge city offering – and we have a proven track record in delivering world class solutions that drive the development of liveable cities.*

We combine our design and engineering services with our socio-economic and process competencies and thereby offer a comprehensive integrated service.

We add value by applying an integrated and multidisciplinary approach with three interwoven components:

- World class technical expertise within areas like transport infrastructure, water and energy, sustainable buildings, and urban landscape and attractive harbour areas
- Socio-economic competencies
- Governance, process competencies, and stakeholder management

Complex dilemmas and conflicts of interest often occur in relation to city development. Ramboll works with customers to simplify this process and make informed decisions by identifying, acknowledging and balancing such dilemmas and conflicts.

To ensure our status as independent consultants, we work in an open, transparent way. Our activities are free of any third party or political interests and are based on integrity, honesty and trust.

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*MONOCLE
Copenhagen was top of Monocle’s 2013 “Most Liveable Cities Index”, which evaluates cities in relation to a variety of social, economic and environmental parameters

THE KEY TO SUCCESS
Cities such as London that actively promote liveability attract residents, businesses and tourists (Image right: Polfoto)
OUR APPROACH

HUMAN EXPERIENCE AND NEEDS ALWAYS CONSTITUTE OUR STARTING POINT, AND WE MEASURE OUR SUCCESS BY HOW WELL RESIDENTS AND COMMUNITIES ARE SERVED BY WHAT WE HAVE DONE

RAMBOLL TAKES A HOLISTIC APPROACH TO URBAN DEVELOPMENT

LIVING SPACE
The needs of residents come first in the Ørestad district of Copenhagen (image top) and Bishan-Ang Mo Park in Singapore (image bottom: Atelier Dreiseitl), which Ramboll has helped develop.

Our Customers
We work with visionary, mature and ambitious cities that strive for liveability and sustainable development and recognise the value of what we do. Also, we aspire to help developing cities reach their potential by advising them on how to achieve sustainable development.

Our Track Record
Ramboll has helped develop some of the largest cities in the world – including London, Berlin, Singapore and Beijing – and we have worked on high profile liveable cities projects globally, such as Chicago Lakeside and Copenhagen Nordhavn.

We have long-term partnerships with the largest Nordic cities and have played a key role in making them into world-leading sustainable and liveable cities, as evidenced by the Green City Index (which has Copenhagen, Oslo and Stockholm as the top three cities).
COPENHAGEN, DENMARK

Copenhagen is internationally recognised as a frontrunner in liveability and sustainability.
Cities have become the engines of economic prosperity and development. Over the next two decades, it is estimated that the global middle class will expand by another three billion people - many of whom will move to cities looking for better quality of life - including health, lifestyle, job and social opportunities.

We define liveability as a wide range of specific criteria, which all depend on striking the right balance between a number of key components of a city: from governance, economy and urban planning to physical infrastructure, sustainable buildings, climate adaptation and environment.
HOW WE WORK

WE PARTICIPATE IN EVERY STAGE OF THE VALUE CHAIN - FROM STRATEGY DEVELOPMENT TO THE EXECUTION PHASE

We employ a holistic approach to analysing and understanding all aspects of urban development - and we have the multidisciplinary expertise required to deliver integrated and resilient solutions. By holistic, we mean that we look at the challenges in context:

• We analyse the key factors that make up the concept of liveability and balance out the elements of a city.
• By multidisciplinary, we mean that we deliver an integrated solution combining the relevant competencies for the best possible project outcome.
• We combine and integrate strategic insights with sustainable, cost-efficient and technical solutions within Energy, Water, Environment, Buildings, Transport, and Management Consulting.

We firmly believe that a successful change process involves stakeholder engagement and buy-in thereby ensuring positive long-term outcomes.

At the initial strategic level, we work closely together with decision makers to develop the vision and strategies for cities and urban development.

Our unique combination of services brings together engineering, design and management consulting expertise to provide customers with qualified guidance and support at every stage of the value chain - from strategy development to the execution phase.

We assemble specialised teams from across the entire Ramboll group on a project-by-project basis to ensure that the appropriate expertise is employed throughout the value chain.

A COMPREHENSIVE SERVICE
Ramboll supports cities in all aspects and at every stage of their development. From the creation of visionary urban concepts (image bottom right: Nordhavn, Copenhagen) to the construction of iconic buildings (image top right: Shining Towers, Abu Dhabi)
WORLD CLASS PROJECTS

BISHAN-ANG MO KIO PARK, SINGAPORE
62 hectares of parkland in the heart of Singapore have been redesigned to make room for nature and new recreational spaces. A utilitarian concrete water channel has been transformed into a 3.2km naturalised river that functions as an effective water drainage system and a vibrant attraction that brings local communities together.
(Image bottom: Atelier Dreiseitl)

NORDHAVN
Nordhavn is Scandinavia’s largest city development project and rethinks how ways of living can be combined with sustainable energy, environment, traffic and cityscape solutions. During the next 50 years, the area is to be extended to accommodate 40,000 inhabitants and 40,000 workplaces. Ramboll is working with COBE architects and SLET and Polyform on the project.
(Image right: COBE)
CLOUDBURST MITIGATION PLAN, COPENHAGEN, DENMARK
Ramboll is working with local authorities to establish waterways that can transport storm water into ports or lakes while creating an attractive living environment. Ramboll provided the technical expertise, socio-economic calculations, architectural and engineering design, traffic solutions, and stakeholder engagement for this multidisciplinary project. The recreational solutions above ground will save approximately 134 million EUR compared to the construction of an underground storm water pipe. (Image top: Atelier Dreiseitl)

JEDDAH MASTERPLAN, SAUDI ARABIA
Ramboll is developing an Environment and Social Master Plan to accommodate rapid urbanisation in Saudi Arabia’s second largest city. The goal is for Jeddah to become a model city of environmental and social improvement by 2030, and thus significantly improve the inhabitant’s living conditions. Ramboll’s report provides a baseline of the current conditions, but also includes information on corrective actions and future initiatives to achieve sustainable development – including cost/benefit analyses of various alternatives. (Image right)
AMAGER BAKKE, DENMARK
Amager Bakke will be one of the most efficient waste-to-energy facilities in the world and can treat the equivalent of 10% of all residual waste in Denmark. Ramboll has developed the concept for the 469 million EUR facility, which will produce 20% more energy per ton of waste compared to the existing plant. Amager Bakke will be fully integrated into the urban setting, surrounded by high-end apartments, and will feature recreational facilities. (Image top: BIG)

CHICAGO LAKESIDE, USA
From 1880, the Lakeside location was home to a large-scale steel mill. In 1992, the closure of the plant had a devastating impact on local communities. Since then, the City of Chicago led a team of planners, community leaders, and residents in the creation of a vision document to plan for the future. The design is based on the assumption that future generations picture themselves living in a city focused on liveability and sustainability. In the future, residents will be able to use sustainable cooling, heating and electricity and invest in energy from local wind turbines. When realised, the master plan will provide a new way of living based on the most advanced 21st-century infrastructure and technology. (Image right: Skidmore, Owings & Merrill LLP/MIR)