PLANNING & URBAN DESIGN

WWW.RAMBOLL.COM/PLANNING-AND-URBAN-DESIGN
Ramboll is a leading engineering, design and consultancy company employing 13,000 experts. Our presence is global with a strong representation in the Nordics, UK, North America, Middle East and Asia-Pacific. We constantly strive to achieve inspiring and exacting solutions that make a genuine difference to our customers, end-users and society as a whole.

www.ramboll.com

13,000 EXPERTS
300 OFFICES
35 COUNTRIES

PLANNING & URBAN DESIGN
Ramboll’s holistic approach to urban development encompasses strategy, planning and world class technical design services and is based on an integrated multidisciplinary skills base.

We have an extensive track record working with a number of the world’s largest cities to create liveable, sustainable, and implementable urban development solutions that are fully adapted to the local context.

Read more at:
www.ramboll.com/planning-and-urban-design

WATER
Water is essential to life and one of our most precious resources. Working with municipalities, utilities, and industrial clients Ramboll draws on proven multidisciplinary expertise to manage the most challenging water resources, wastewater, and storm water issues.

We integrate treatment process selection and engineering, operational services, and regulatory management and planning to deliver innovative solutions that benefit both industries and society.

Read more at:
www.ramboll.com/water

TRANSPORT
Mobility fuels economic and social development and with 50% of the world’s population now living in urban areas, efficient and reliable transport systems are essential.

To meet this need, 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.

Read more at:
www.ramboll.com/transport

OIL & GAS
To make it in today’s fast paced and competitive oil and gas market, companies depend on advanced technical solutions that combine economic efficiency with stringent health, safety and environmental (HSE) safeguards during the production and distribution processes.

These elements form an integral part of Ramboll’s independent and multidisciplinary consultancy service, which covers the entire project cycle. We excel in onshore consultancy and have designed offshore structures for industry giants such as Maersk Oil, DONG Energy and Statoil since the 1970s.

Read more at:
www.ramboll.com/oil-gas
MAKING CITIES SMART AND LIVEABLE

Ramboll has extensive experience working with a number of the world’s most complex cities to create liveable and smart urban development solutions that put people first and attract residents and businesses. Our holistic approach and comprehensive service encompasses strategy, planning, and renowned technical design services.

ENERGY

Security of supplies, climate change, energy efficiency and resource scarcity are top priorities on the global agenda. The key challenge is to plan and implement a sustainable and affordable energy system that is capable of meeting the growing demand for energy.

As a consultancy, Ramboll is at the forefront of addressing these issues with world-leading competencies in offshore wind, waste-to-energy, thermal power and district energy.

Read more at: www.ramboll.com/energy

BUILDINGS

Buildings form a fundamental part of our lives by shaping our communities and daily activities.

For these reasons, Ramboll’s design philosophy is always to 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. Read more at: www.ramboll.com/buildings

ENVIRONMENT & HEALTH

As a globally recognised environmental and health consultancy, we have earned a reputation for technical and scientific excellence, innovation and client service.

Advances in science and technology and evolving regulatory, legal and social pressures create increasingly complex challenges for our clients. We evolve to keep pace with these changes – by adding new services, contributing to scientific advances or expanding geographically. Read more at: www.ramboll.com/environment

MANAGEMENT CONSULTING

National, regional and local authorities are responsible for issues that affect us all; from health care, education and day care to strategic planning of infrastructure and climate initiatives.

Drawing on 500 management experts, Ramboll acts as a trusted partner to public administrations, creating the insights needed to make informed strategic decisions that promote stronger societies.

With unprecedented levels of competition in the global economy, Ramboll focuses on empowering private sector customers with expertise and powerful management tools. Read more at: www.ramboll.com/management-consulting
WHAT MAKES A CITY LIVEABLE?

Cities have become the engines of economic development and are expected to be home to over two thirds of the world’s population by 2050.

Over the next decade, it is expected that 1 billion people will enter the global middle class – and live in cities seeking work, social opportunities and a good quality of life. At the same time, over 60% of the land projected to become urban by 2030 is yet to be built. Creating liveable urban environments addresses these challenges by encompassing a wide range of interrelated aspects of city life: from governance, economy and planning to physical infrastructure, sustainable buildings, climate adaptation and environment. An integrated and balanced approach to these elements enables cities to develop and prosper sustainably.

As Cities worldwide increasingly compete against each other, liveability has become a key differentiator for attracting and satisfying residents, businesses and tourists.

There are no ‘one size fits all’ solutions to creating liveability since differences in physical conditions, culture, and priorities necessitate an approach that is tailored to the local context.

Top right
CREATING LIVEABILITY
Liveability depends on an integrated and balanced approach to the different elements of a city.

Bottom right
SANDVIKSBODER 1, NORWAY
Ramboll is contributing with the architecture of residential and commercial buildings that are designed to be modern whilst complementing the area’s unique historical identity.
Our approach

Urban development solutions have been part of Ramboll’s DNA for several decades. We have contributed to the Nordic capital cities becoming international role models for liveability as recognised by global rankings published by Monocle and the Economist Intelligence Unit. And today we work with some of the world’s largest and most complex cities including Singapore, Tianjin, Istanbul, London, Berlin, San Francisco, Chicago, Fujairah, Masdar and Jeddah.

Our philosophy is to plan and design urban development solutions that benefit and are accessible by everyone. And for these reasons, stakeholder and public engagement are prioritised to ensure local ownership and the long term success of solutions.

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.

Our unique combination of services brings together engineering, design, scientific and management consulting expertise to provide clients with qualified guidance and support at every stage:

• Strategy – We create the framework for exploring and identifying benefits, needs and focus areas through our management competencies in governance, policy making, socio-economics, and stakeholder management

• Planning – Our ability to transform innovative ideas into pragmatic, implementable proposals is borne out of an extensive record on urban master planning projects worldwide

• Detailed design – We help to realise liveable solutions by drawing on our world class technical expertise within areas such as transport infrastructure, water and energy, sustainable buildings, architecture, urban landscaping and design

Human experience and needs always constitute our starting point, and we measure our success by how well communities are served by what we have done
A HOLISTIC SERVICE

Successful urban planning ultimately depends on an integrated approach to the environmental, social, economic, and physical aspects of a city. Consequently, Ramboll provides clients with a holistic and multidisciplinary service that combines world class technical competencies with vast experience in urban development strategies and planning that allow cities to grow and flourish.

CREATING RESILIENT AND SUSTAINABLE CITIES, ASIA PACIFIC REGION

To provide an overview of investment options for increasing resilience and reducing carbon emissions in large cities in the Asia Pacific region, Ramboll is conducting a study for the Asian Development Bank. The project draws on multidisciplinary experts within water, energy, transport, management consulting and environment & health.
By supporting clients in defining their visions, policy priorities, and governance structures, we help to ensure that ambitions for maximising urban liveability are realised.

We work with a wide variety of clients all over the world, from small private developers to large authorities for megacities such as Singapore. Our projects range from designing cycle lanes to city-wide urban development masterplans.

We combine a global pool of urban development experts together with a local presence and insights, enabling us to cater for all city types regardless of size, demographic profile, and location. Complex dilemmas and conflicts of interest often occur in relation to city development and Ramboll works with clients to provide the right conditions for creating liveability. We enable informed decision-making and facilitate a co-ordinated approach across city functions to capitalise on the synergies between different elements of the urban environment such as water and transport infrastructure – rather than treating them in isolation.

And in an arena where clients all too often discover that their visionary city masterplans cannot realistically be achieved, we pride ourselves on developing masterplans that are realisable through cost-effective solutions that are fully adapted to the local context and supported by concrete implementation plans.

CREATING CLIENT VALUE
WORLD CLASS PROJECTS

Top right
NORDHAVN, DENMARK
The major redevelopment of the Nordhavn district of Copenhagen will create space for 40,000 residents and 40,000 workplaces. Ramboll is working on urban development projects in the Aarhusgade and Sundmolen areas as well as the new 3 km long road link, road tunnel, and Metro Extension, which will connect the district to the wider city. (Image: COBE, Sleth, Polyform and Ramboll)

Bottom right
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.

Below
OSLO FOSSIL FREE, NORWAY
Oslo has developed a new strategy for how the city can be free of fossil fuels by 2050. The strategy includes energy resources, energy production/distribution and energy consumption in all sectors, with a particular focus on transport, which accounts for 60% of Oslo’s carbon emissions. Ramboll has assisted the municipality of Oslo by acting as field expert and sector manager, while also being involved in developing the strategy report and subsequently a cost-benefit analysis of 10 prioritised measures and development of an implementation plan.
WORLD CLASS PROJECTS

Top left
RIVER CITY, GOTHENBURG, SWEDEN
The new ‘River City’ in Gothenburg envisages the transformation of the old harbour area into a green, attractive, and liveable neighbourhood. Ramboll is lead consultant for a feasibility study on one of the new districts, which covers 1.5 million m² with capacity for 20,000 residents and work places. The initiative aims to bring Gothenburg into Europe’s top five cities for growth potential.

Bottom left
DETAILING OF CLOUDBURST 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. For four of the catchments in the cloudburst plan, covering half of the city, 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 44 million EUR compared to the construction of an underground storm water pipe. (Photo credit: Ramboll Studio Dreiseitl)

Right
CHICAGO LAKESIDE, USA
Ramboll produced a design concept for sustainable energy, water management and waste management to transform a previously industrial 600-acre city district into a model community based on 21st-century infrastructure and technologies. The concept will reduce the use of fossil energy by 90%, potable water by 60% and landfill to 1% with 90% of stormwater infiltrated and directed to Lake Michigan. (Photo credit: Skidmore, Owings & Merrill LLP/MIR)
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