



CREATING LIVEABLE PLACES

BRINGING A PEOPLE, PLANET AND PROSPERITY FOCUS TO CREATING
THE ATTRACTIVE AND INSPIRING PLACES WHERE LIFE UNFOLDS

Read more on www.ramboll.com/liveable-places

RAMBOLL

Bright ideas. Sustainable change.

THE NEED FOR LIVEABLE PLACES

Over the next decade, 1 billion people are projected to enter the global middle class – and will seek to live in places that offer work, social opportunities and a good quality of life. At the same time, buildings covering a floor area equivalent to the size of Japan are expected to be constructed annually over the next 40 years.

Without careful and co-ordinated planning and implementation, these trends will present significant environmental, social and economic challenges. A focus on creating liveable places addresses such challenges and will be a key factor in 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.

WHAT IS MEANT BY A 'LIVEABLE PLACE'?

The concept of liveability is often applied to entire cities, but for people to experience liveability in their daily lives, it also needs to take account of smaller scale physical spaces. For this reason, we see places as urban spaces, neighbourhoods, or even streets and buildings as well as the infrastructure that allows a liveable city to function.

This in turn requires a broader view of what it takes to achieve liveability from long-term, holistic masterplans to infrastructure, architecture, digitalisation and social inclusion.



Rask Mølle school, Denmark

DRIVERS OF LIVEABILITY



230
billion m²

Area of buildings to be constructed every year to 2060. (Global Alliance for Buildings and Construction)



65
hours

Average time wasted in traffic each year in the world's top 10 most congested cities (Inrix)



Building tenants value healthy living spaces and low operating costs (Ramboll Sustainable Buildings Market Study 2019)



9.9%

Average improvement in ROI reported by owners of green buildings on new projects (Dodge Data & Analytics)



7
million

Number of premature deaths caused by air pollution each year (WHO)



"Well-governed, accountable cities are safer cities" (Economist Intelligence Unit)

WHAT IS LIVEABILITY?

Liveability describes the conditions for inhabitants of cities and communities to lead a decent life and experience positive physical and mental well-being. Liveability is based on the principles of sustainability and smart solutions.

Creating liveability is dependent on taking all relevant dimensions into account, namely: People, Planet, and Prosperity. Understanding, balancing, and customising these dimensions to fit local conditions is also crucial to achieving liveability.

People

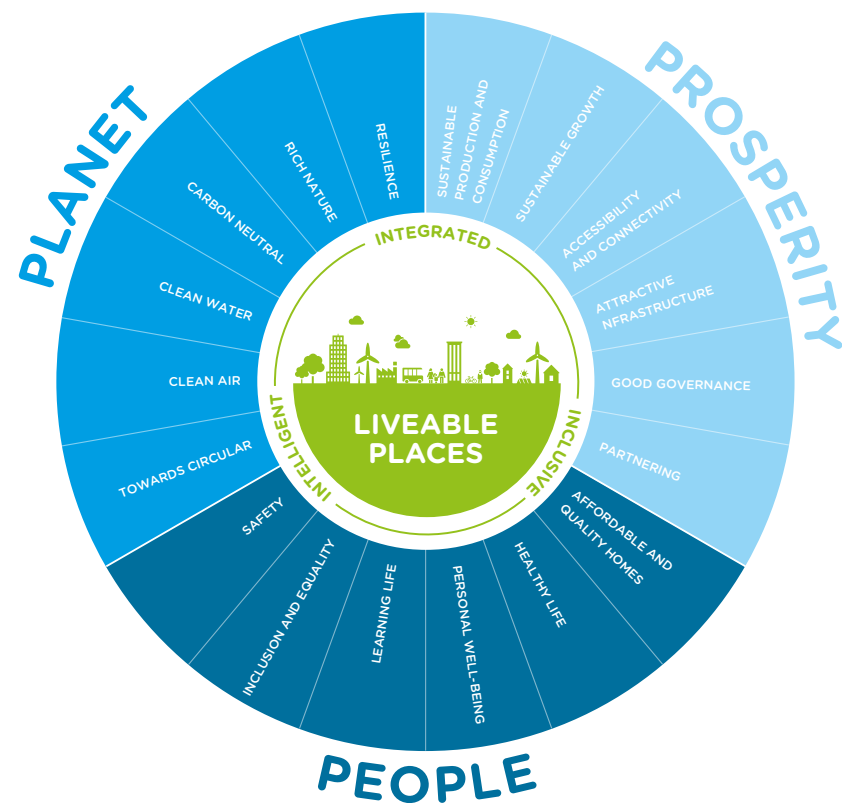
Human experience and needs constitute the starting point for liveability. A liveable place is a place where you have a sense of belonging. Because you feel connected. Connected to other people, to the present and the future. Life is healthy, safe and full of opportunities, not only for the individual, but for personal networks and the community too. Opportunities grow with mutual trust and the invitation to participate in the development of places and empowerment to act on it.

Planet

Prioritising nature and the environment helps to secure the long-term viability and the attractiveness of area place. A liveable place balances the needs of people and companies with those of the planet, because it makes sense – and because it is the right thing to do. To ensure a resilient, sustainable future where natural resources are protected and utilised in efficient ways, and urgent action is taken to mitigate and safeguard against climate change.

Prosperity

A liveable place delivers the frame for a prosperous life. Not only for its people, but also for companies and nature. It gives access to jobs, education, and cultural experiences today, while outlining a future with sustainable growth opportunities. Governed by effective city operations without corruption and short-sighted decisions. To achieve liveability, it's important to look beyond economic measures to include a focus on benefits such as health and happiness.



Salling rooftop in Aalborg, Denmark

STRIKING THE RIGHT BALANCE

PLANNING, DESIGNING, AND CREATING LIVEABLE PLACES IS A COMPLEX BALANCING ACT.

Balancing people's current needs whilst also being fit for the future and sensitive to nature. Balancing the need for affordability and quick delivery with the quality and ingenuity required when decisions made today have an impact on people's lives for decades to come. Balancing the attention to detail needed to create an attractive room, street or building facade with the lofty ambition of realising a long-term masterplan for developing a neighbourhood or even an entire city.

This is why Ramboll constantly strives to strike the right balance. The key to achieving this comprises three strands: an integrated, inclusive, and intelligent approach.

Integrated

The first strand is the ability to work in a truly integrated way. Bringing together capabilities ranging from architectural visions and impact assessments, to detailed technical design and solution implementation. Leveraging the synergies from multidisciplinary deliveries helps create the most efficient, enduring and inspiring outcomes.

Inclusive

The second strand is inclusion. People, companies, and authorities are all co-owners of the places in which they live and operate. If we do not include and collaborate, we will never find the solutions that are both optimal and accessible. An inclusive approach is needed to ensure local ownership, successful implementation, and long-term solutions.

Intelligent

The third strand is being resource-efficient and planning for the future. The solutions we develop today will endure for decades to come. We need to be smart, establishing the right governance, utilising data to determine priorities, and designing resilient solutions that can withstand climate and demographic changes. This is a necessity to realising well-functioning, attractive, and flexible neighbourhoods.

In Ramboll, these three strands are deeply rooted in the way we work and deliver. Since 1945, one of our main purposes has been to shape societies where people and nature flourish. Our approach is therefore to work in an integrated way across disciplines, always with the ambition to define next practice, and always with a collaborative and people-centric mindset.

SERVICES INCLUDE:

- City strategy and vision
- Economics
- Governance
- Feasibility studies
- Land use planning
- Masterplanning
- Impact assessments
- Stakeholder and citizen engagement
- Sustainability services
- Smart concepts and technologies
- Architecture
- Building engineering
- Energy strategy
- Power generation and distribution
- Transport planning and mobility
- Climate adaptation and landscape architecture
- Water management and treatment
- Waste management
- Air quality
- Urban biodiversity



Temperate House, Kew Gardens, UK



Copenhagen harbour baths, Denmark



Copenhagen bike lanes, Denmark



Tate Modern extension, UK



FRANKFURT SCHOOL OF FINANCE AND MANAGEMENT

A school educating future leaders in one of Europe's leading financial centers has been designed with an open and flexible layout to encourage close interaction between students, faculty, and the business community.

"I am deeply convinced that personal encounters between people are of great value for an economic university like the Frankfurt School of Finance and Management. That is why our new campus is centered around communication and openness. It is a place for ambitious learning, research, and consulting, which acts like a magnet and will give us a great boost on our way to becoming one of the best business schools in Europe" says Professor Dr. Udo Steffens, President of Frankfurt School of Finance & Management

CLIENT:

Frankfurt School of Finance and Management

LOCATION:

Frankfurt, Germany

SERVICES PROVIDED:

- Architecture
 - Integrated design
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NEW YORK CLIMATE ADAPTATION STUDY & PILOT

Ramboll has been commissioned to investigate the integration of traditional underground drainage with above-ground nature-based solutions to address flood risks whilst creating attractive recreational areas for residents.

Alan Cohn, Climate Program Director at the New York City Department of Environmental Protection, comments, "Ramboll not only has the water engineering techniques but can also factor them and all the other aspects into the big calculation – and simplify it. Cost-effectiveness means not only the amount of savings in terms of avoided property damage but also the extent to which the new green areas will improve residents' health and quality of life."

CLIENT:

New York City Department of Environmental Protection

LOCATION:

New York, US

SERVICES PROVIDED:

- Climate adaptation & landscape architecture
 - Flood risk management
 - Landscape architecture
 - Social & economic impacts
 - Stakeholder and citizen engagement
-



NORDHAVN

Nordhavn is currently Scandinavia's largest and most ambitious city development project. The area is designed as a '5 minute city', making it possible to reach shops, work places, and public transport within 5 minutes' walk from any point in the district.

An integrated design approach has helped create an attractive neighbourhood and the only new urban district to receive DGNB's highest gold certification for sustainability.

CLIENT:

By & Havn

LOCATION:

Copenhagen, Denmark

SERVICES PROVIDED:

- Site solutions
 - Client consultancy
 - Climate adaptation & landscape architecture
 - Energy strategy
 - Energy strategy & planning
 - Management & engagement
 - Masterplanning
 - Mobility solutions
 - Physical planning
 - Society
 - Socio-economic impact studies
 - Transport planning
 - Water supply & leakage
 - Water & wastewater treatment
-



AMAGER BAKKE

The ultra-efficient Amager Bakke waste-to-energy facility in the heart of Copenhagen converts 534,000 tonnes of waste annually to provide low-carbon power to 32,000 homes and heat to 72,000. The plant doubles as a recreational destination with an all-season ski slope, a tree-lined hiking and running trail and a 280-foot climbing wall, the world's tallest.

CLIENT:

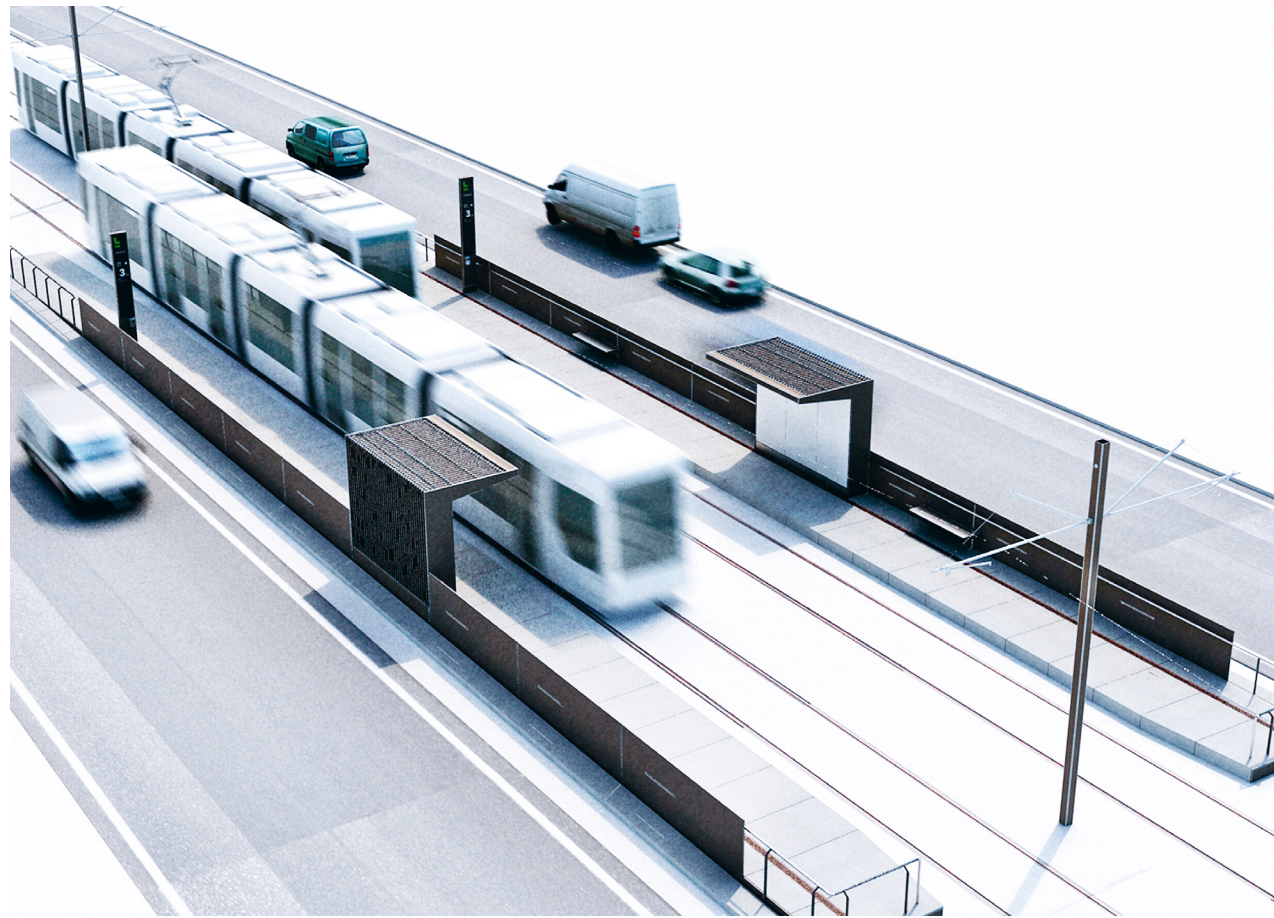
Amager Ressourcecenter

LOCATION:

Copenhagen, Denmark

SERVICES PROVIDED:

- Energy strategy
 - Project management
 - Waste-to-energy
 - Project & programme management
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STRATEGY FOR KIEL MOBILITY MASTERPLAN

The German city of Kiel is planning to establish an environmentally friendly, attractive and comprehensive public transport network including a new light rail system. This initiative is part of the city's plans to reduce emissions by 95% and energy consumption by 50% by 2050 compared to 1990 levels. The aim is to increase public transport use from 10% to 17% by 2035 and to halve private car usage in the same period.

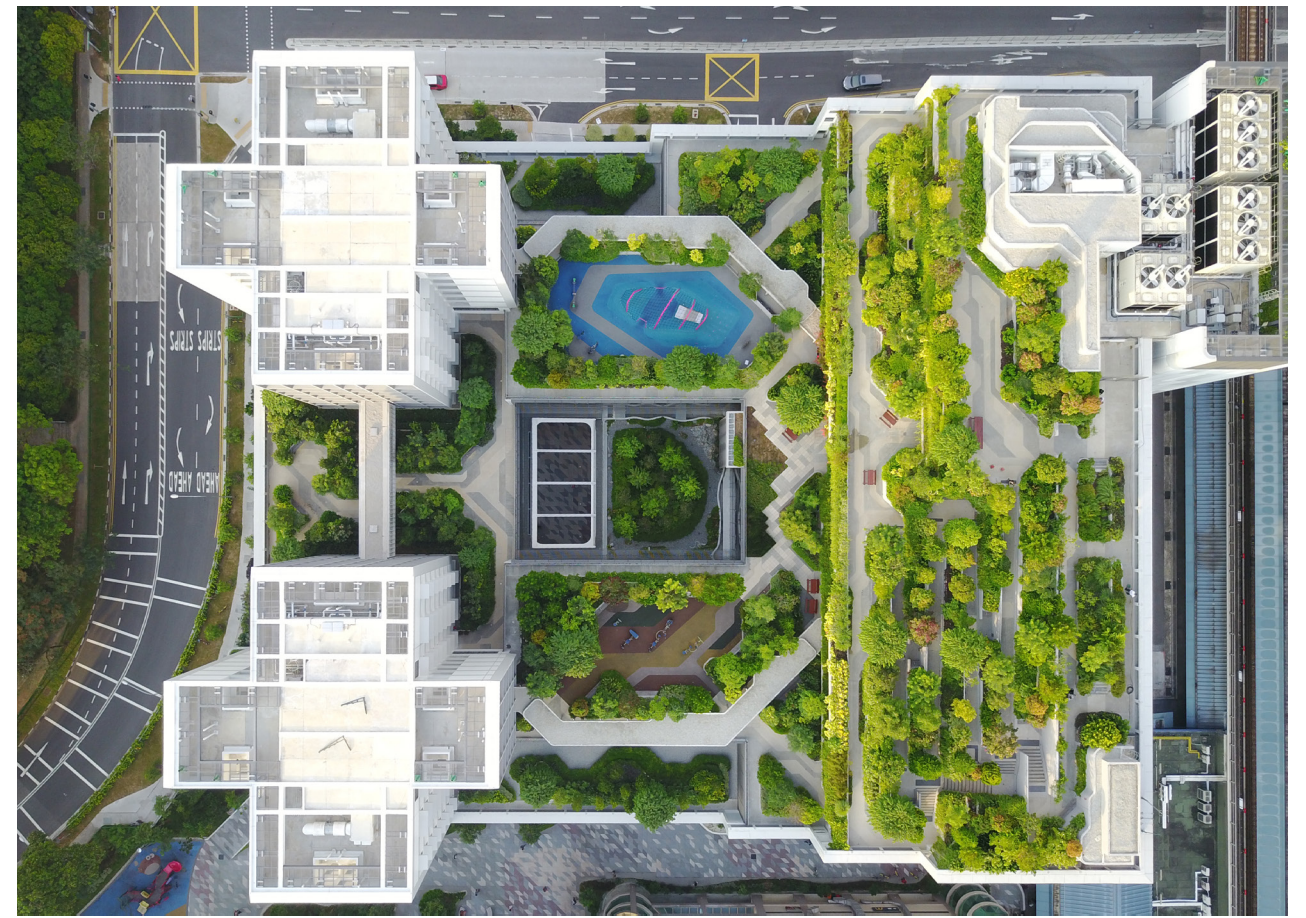
Ramboll is contributing to the strategic conceptual approach as well as the technical mobility aspects. This includes involving citizens throughout the planning process including on-site events in various city districts, as well as numerous opportunities for the citizens to participate online. This extensive engagement will help ensure that the changes are accepted and can be successfully implemented.

CLIENT:
City of Kiel

LOCATION:
Kiel, Germany

SERVICES PROVIDED:

- Conceptual Design
- Strategy Development
- Process facilitation
- PR and communication
- Citizen engagement



KAMPUNG ADMIRALTY

The striking greenery and landscaping that are woven into the Kampung Admiralty building help connect residents and create an attractive oasis in high density urban surroundings. Ramboll was responsible for design of the green and blue infrastructures, which include a tropical rainforest as well as water management systems.

Kampung Admiralty is the first development in Singapore to fully integrate housing for the elderly and is designed to bring residents together and enable them to live actively. The development won the Skyrise Greenery Award in 2017 and the World Architecture Festival Award in 2016.

CLIENT:
Singapore Housing and Development Board

LOCATION:
Singapore

SERVICES AND SOLUTION PROVIDED:

- Climate adaptation & landscape architecture
- Flood risk management
- Citizen and stakeholder engagement

DECADES OF CREATING LIVEABLE PLACES

Ramboll is a leading engineering, architectural and consultancy company with 16,500 experts across 35 countries. Our global presence includes strong representation in the Nordic countries, UK, Germany, North America, Middle East and Asia-Pacific.

We create value for clients by providing multidisciplinary expertise across the market areas of Buildings, Transport, Environment & Health, Energy, Water, and Management Consulting.

Liveable places pedigree

Ramboll has several decades' experience working as a trusted partner with cities, private developers, investors, and contractors to create liveable places.

Liveable Places brings a people, planet and prosperity focus to creating the attractive and inspiring places where life unfolds. Working closely with our clients, we deliver integrated, inclusive and intelligent solutions. Our approach is to adapt our Nordic principles and proven global experience to realise local aspirations.

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.

As well as working with some of the world's largest and most complex cities such as Singapore, London, Berlin, New York, and Jeddah, we also have extensive experience in creating and regenerating smaller scale developments such as residential areas and university campuses.



WWW.RAMBOLL.COM/LIVEABLE-PLACES

CONTACT

Henrik Stener Pedersen
Director for Liveable Places Centre
of Excellence

T: +45 51618124
E: heks@ramboll.com

RAMBOLL

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Esplanade Court Garden, Singapore