

RAMBOLL IN BRIEF

- Independent engineering and design consultancy and provider of management consultancy
- Founded 1945 in Denmark
- 15,000 experts
- Close to 300 offices in 35 countries
- Particularly strong presence in the Nordics, the UK, North America, Continental Europe, Middle East and Asia Pacific
- EUR 1.4 billion revenue
- Owned by Rambøll Fonden

A STRONG HERITAGE

- Founded in 1945 in Copenhagen, Denmark
- Founders: Professors Johan G. Hannemann and Børge J. Rambøll
- Talented engineering combined with social visionary aspects
- Strong principles and philosophy



MISSION

○ Create sustainable societies where people and nature flourish

VISION

○ A globally leading consultancy delivering integrated and sustainable solutions, shaping today and tomorrow

VALUES

○ Insight & Excellence
Empowerment & Collaboration

Integrity & Empathy
Enjoyment & Passion

COMMITMENTS

○ Clients People
Society Company

GEOGRAPHICAL FOOTPRINT



WHAT DOES CLEAN WATER MEAN TO YOU?

www.menti.com

Code: 877502

SUSTAINABLE SOCIETY CONSULTANT

- Solve local and global challenges
- Holistic approach to specific challenges
- Quality and long-term durability
- Long-term value for local communities and society at large
- Work to influence development and public agenda

MARKETS

BUILDINGS	TRANSPORT	WATER	ENVIRONMENT & HEALTH	ENERGY	MANAGEMENT CONSULTING
Revenue '17: 452.3 m€	Revenue '17: 313 m€	Revenue '17: 81.3 m€	Revenue '17: 346.8 m€	Revenue '17: 183.4 m€	Revenue '17: 66.8 m€
Employees: (FTEE) 3,773	Employees: (FTEE) 2,603	Employees (Jan '19): (FTEE) 940	Employees (Jan '19): (FTEE) 2,443	Employees (Jan '19): (FTEE) 1,821	Employees: (FTEE) 501
PLANNING & URBAN DESIGN					
Revenue and employee numbers included in the other markets					

*FTEE for others: 902

GLOBAL SERVICES

Our professional network of more than 2,400 environment and health experts serves clients around the world.

- Air Quality Management
- Compliance, Strategy & Transaction Services
- Ecological Services
- Health Sciences
- Impact Assessment (EIA/ESIA)
- Resource & Waste Management
- Site Solutions

ECOLOGICAL SERVICES

Working with clients to achieve scientifically defensible, risk based solutions that support responsible and sustainable business, environmental and resource management practices.

- Aquatic ecology
- Ecological risk assessment
- Natural resource consulting
- Nature restoration, rivers and wetlands
- Sediment management



SUSTAINABLE DEVELOPMENT GOALS

17 GOALS TO TRANSFORM OUR WORLD

1 NO POVERTY

2 ZERO HUNGER

3 GOOD HEALTH AND WELL-BEING

4 QUALITY EDUCATION

5 GENDER EQUALITY

6 CLEAN WATER AND SANITATION

7 AFFORDABLE AND CLEAN ENERGY

8 DECENT WORK AND ECONOMIC GROWTH

9 INDUSTRY, INNOVATION AND INFRASTRUCTURE

10 REDUCED INEQUALITIES

11 SUSTAINABLE CITIES AND COMMUNITIES

12 RESPONSIBLE CONSUMPTION AND PRODUCTION

13 CLIMATE ACTION

14 LIFE BELOW WATER

15 LIFE ON LAND

16 PEACE, JUSTICE AND STRONG INSTITUTIONS

17 PARTNERSHIPS FOR THE GOALS

SUSTAINABLE DEVELOPMENT GOALS

EPOSITING OF SNOW IN SANDVIKSELVA

CHALLENGE

Sandvikselva is an important salmon river. The authorities have asked the municipality of Bærum to document if dumping of snow in Sandvikselva constitutes a risk for the environment in the river.

WHAT WE DID

Ramboll Environment & Health performed mapping of contaminated sediments, water and in snow. In addition, information about the biodiversity in the area were gathered and assessed possible effects of dumping of snow.

EFFECT

Ramboll's report showed that there is an environmental risk with dumping of snow in Sandvikselva. The municipality is now considering new areas to dump snow.



DISCHARGES TO THE SEA

CHALLENGE

The county governor had expressed concern that the new discharge from Hennig Olsen would degrade the water quality in a stream and a sea area outside the factory.

WHAT WE DID

Ramboll Environment & Health was hired to determine the location of an emission point that would ensure continued good water quality. Modelling of different locations made it possible to provide qualified advice on the best location.

EFFECT

Based on Ramboll's documentation the condition of the sea / stream would not be appreciably affected by the recommended discharge sites, Hennig Olsen received their discharge permit and was able to maintain production of ice cream.



REDUCED ENVIRONMENTAL IMPACT ALONG E134

CHALLENGE

The road between Damåsen and Saggrenda in Buskerud does not have satisfactory road standards. Upgrading should take place without impairing the quality of water and watercourses.

WHAT WE DID

Ramboll Environment & Health have both mapped the water quality before the start of construction and monitored the water quality during the construction process in order to uncover any impact and considered whether mitigating measures must be initiated.

EFFECT

Environmental consultancy and ongoing monitoring have minimized the impact on the watercourses



DEVELOPMENT OF NEW E16 - 8 KM NEW 4-LANE HIGHWAY

Challenge

The Norwegian Public Roads Administration are building a new 4-way highway from Bjørum in to Skaret. At the same time, good condition in the ecosystems must be maintained and no species or habitats eradicated.

WHAT WE DID

Ramboll Environment & health has surveyed: contaminated soil, habitats and environmentally hazardous substances in buildings. We have also created an environmental plan for follow-up of the development, and prepared the necessary applications for permits under the environmental regulations to implement the project.

EFFECT

The environmental authority has made the necessary demands. The developer has received the necessary permits and the foundation for avoiding fishing death in nearby river has been laid.



ØKOKYST (ECO-COAST)

Challenge

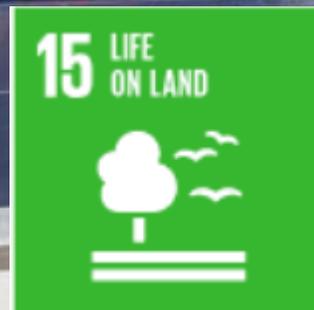
The coastal areas are a very important resource for Norway, but are affected, among other things, by development and emissions. The Environment Agency needs an overview of the state along the coast in order to be able to implement measures if the development is negative.

HVA VI GJORDE

Ramboll Environment & health monitor the coast by mapping species in the spring zone and collecting samples of water and bottom fauna. Based on data collected, we assess the ecological status of the coastal areas.

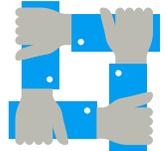
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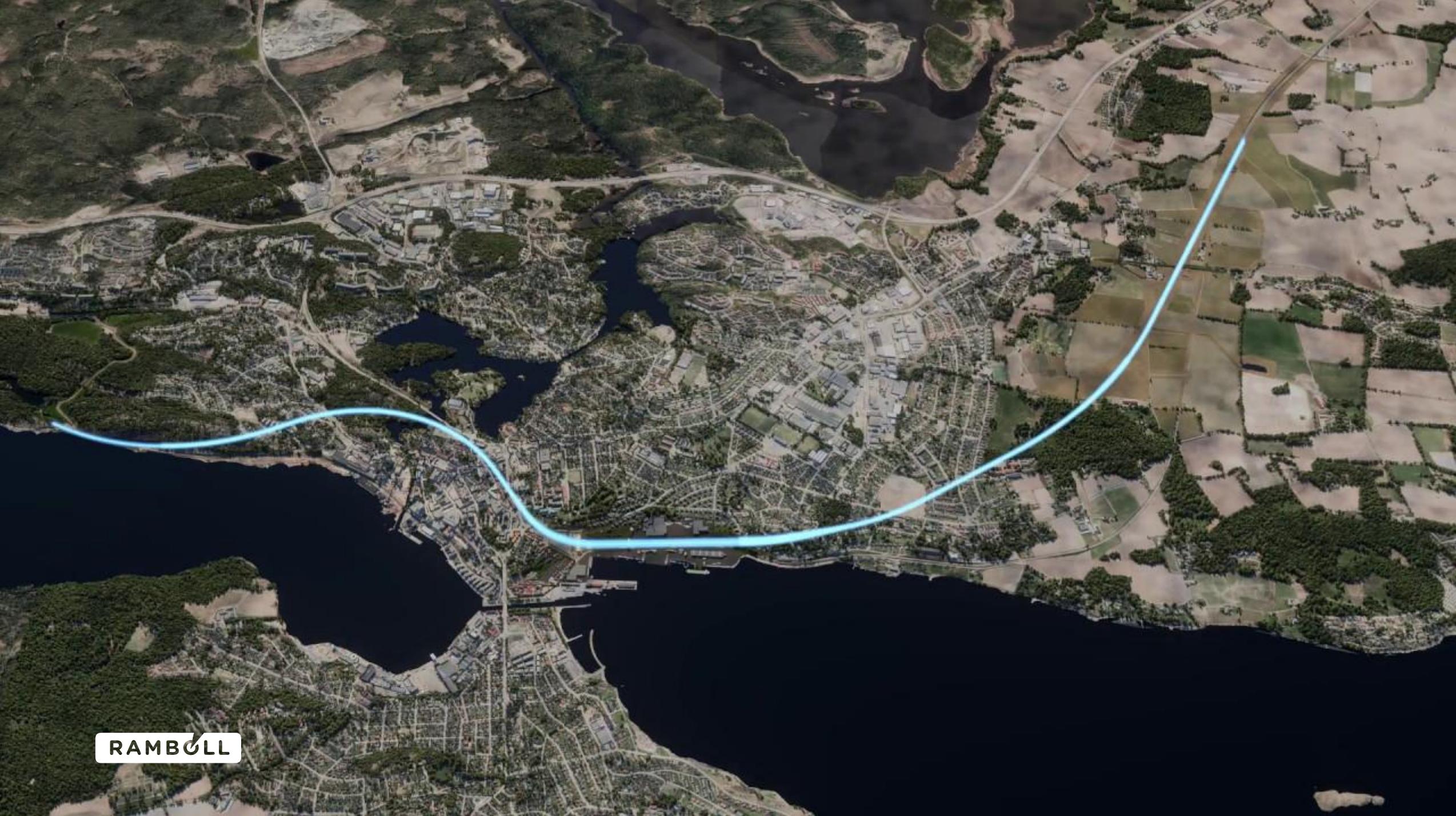
Since monitoring takes place over several years, changes will be detected at an early stage and any measures may be taken.



COLLABORATION BETWEEN RAMBOLL & USN

- First time Ramboll & USN are collaborating in these kind of projects
 - Since 1945 Ramboll have had clear idea to work for the society
 - If we are going to work towards a more sustainable world it starts with the kids
 - You are important to communicate and teach this to the children





<https://www.youtube.com/watch?v=xrcZzlwQ6vg>

HEALTH & SAFETY

- How to act on a site
- Assessment of security on ice
- Work close to water
- Handling of chemicals



Bright ideas. Sustainable change.

