ENJOY THE WIND
WITH WIND ENERGY EXPERTS
Comprehensive expert services for every stage of a wind power project.

Our wind power expertise combines innovative thinking and solid experience.
Our first-class knowledge of wind power projects makes us a pre-eminent partner when it comes to the development of wind power projects – or any related consulting needs. Our slogan “local partner – global knowledge” is more than a phrase. It embraces our approach to combining our globally recognised multidisciplinary expertise with local knowledge.

In Finland alone, our experience in wind power projects dates back to the 1990s. Since those pioneering times, we have been continuously building up our wind power expertise.

Wind & site
Ramboll provides a full range of services for wind measurements, energy yield assessments, layout optimisation, wind turbine compliance evaluation, and performance measurements.

For the basis of the layout optimisation, our GIS experts can prepare maps of no-go areas providing information on feasible wind turbine locations.

Project development
You can count on our knowhow in all aspects of land use planning, environmental impact assessment, and permitting. We can provide the needed surveys and modelling with our in-house resources. For building permits, we can fulfil statutory demands by providing a principal designer. While we are continuously working with numerous projects under development in Finland, we always have up-to-date information on statutory demands and best practices. Our expertise in the entire lifecycle is instrumental when considering the requirements for a profitable wind farm as early as the development phase.

Implementation design
The key to significant cost savings is an optimised design for the Balance of Plant. Our geotechnical expertise enables us to design solutions that consider and make use of the features of the soil. In foundation design, this may mean using rock anchor solutions instead of traditional gravity-based foundations. To enable an efficient design process, we design the earthworks in a 3D model.

Construction services
We are able to manage and supervise the whole wind farm implementation from tender processes to planning and execution of the quality assurance and HSE. Statutory demands, such as the provision of a safety coordinator and supervision of the employer’s liabilities, are key elements in our customary scope.

Asset management
By utilising our extensive experience, we manage the wind farm assets from acceptance inspections all the way through to the end of the lifecycle. In addition to the daily work, including the supervision of operation and maintenance, we can provide significant added value e.g. through performance optimisation and life time extension.

Project consulting
We can manage wind farm development and implementation projects in any extent agreed with the client. As an experienced Owner’s Engineer, we are also accustomed to serving the varying needs of investors and financing parties.

Technical/environmental Due Diligence
In Ramboll, we combine our local knowledge and global expertise with in-depth experience from all fields of a wind power project. As a result, our clients obtain solid and well-reasoned information for their decision-making.
Ramboll is a leading international engineering, design and consultancy company with over 13,000 experts worldwide. In Finland Ramboll employs over 2,000 people throughout the country. We offer our customers a comprehensive set of services related to infrastructure, water, environment, construction management, buildings, and management consulting. With the help of our experts and strong insight, we aim to create solutions that truly strengthen the whole society.

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