

V A A S A . V A A S A .
INVEST IN
VAASA
FINLAND

ENERGY IN VAASA

Vaasa is the Nordic hub for energy technology

Thanks to its energetic pulse our city is known as EnergyVaasa, the largest energy technology hub in the Nordic countries. This has made it a world leader within different technologies, such as smart electrical solutions, sustainable energy, flexible power generation and digitalisation – to mention a few. The considerable amount of highly technological companies in the area is a fertile breeding ground for new businesses. The economy of EnergyVaasa lives of export, the proof of which lies in the remarkable 80% export rate.



Local universities, energy technology companies and municipalities work intensively together on
**RESEARCH, PRODUCT DEVELOPMENT,
INNOVATION AND EDUCATION**



**THE MOST
INNOVATIVE
AREA
IN FINLAND**



The energy
technology industry
has a
LONG HISTORY,
which has resulted in
**STRONG RESEARCH
COMPETENCE**

The total business turnover EUR

4.4 BILLION
ANNUALLY

The export rate over

80%



In Vaasa we have found the best model of co-operation. Companies, sometimes even competing companies, are able to develop Finland together. Vaasa is a good example. Companies, universities, schools, the surrounding society, the city of Vaasa and its inhabitants have always been building this co-operation and functional ecosystem.

JAAKKO ESKOLA
PRESIDENT AND CEO,
WÄRTSILÄ CORPORATION

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EnergyVaasa

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**INVEST IN
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INTERNATIONAL
AIRPORT

40 ha

50 ha

190 ha

50 ha

GIGAVAASA

The energy technology hub makes Vaasa the best location for creating future innovations

The groundwork for your business has already been done in Vaasa. The extensive GigaVaasa project has resulted in a world-class operating environment for companies in the energy technology field. With a broad company base, skilled experts and energy know-how, Vaasa's energy technology hub makes GigaVaasa the best location for investment and creating future innovations, particularly for battery manufacturing.

GigaVaasa is a uniform area of

HUNDREDS OF HECTARES

The area is planned as an industrial and storage area

SUITABLE FOR BATTERY FACTORIES

**LOGISTICALLY EXCELLENT
POSITION**

in the middle of Finland's most significant reserves of key materials for the battery industry – the most significant lithium, cobalt and nickel resources are located within 2 hours from Vaasa



It is great that a new energy cluster with excellent export potential is developed in co-operation with different actors in Finland. We are happy to be involved in such a co-operation network.

PERTTI LAMBERG
CEO, KELIBER OY

**THE
CHEAPEST**

sustainable energy in Europe

**INNOVATIVE AND
COLLABORATIVE**

energy technology design and manufacturing skills of our local manpower

**THE GIGAVAASA
ECOSYSTEM**

provides not only a shorter development time but also lower production costs



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EASY ACCESS

**With seamless connections by land, sea and air,
Vaasa is an attractive location for doing business**

Vaasa is an international city with international companies, which is why we develop logistics to meet global needs. We not only focus on present needs but work strategically to be reachable from other parts of the world in the long run.

Vaasa offers

**ALL FOUR
MEANS OF
TRANSPORT**

—
**AIR, SEA,
ROAD
AND RAIL**
transport ensure that Vaasa is
always easily accessible

**DIRECT
FLIGHTS**
to **HELSINKI AND STOCKHOLM**
several times a day

By ship
**4 HOURS TO
SWEDEN**

By train **3.5** and by
road **4.5 HOURS TO**
HELSINKI

One of the
**BUSIEST AIRPORTS
IN FINLAND**



We have the ability to

**COMBINE
DIFFERENT
MEANS OF
TRANSPORT,**

and through that,

**TAILOR
LOGISTICS
SOLUTIONS**

to suit many entrepreneurs' and
companies' ways of doing business

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AMBITION FOR SAVING THE WORLD

Sustainability is a shared mindset in Vaasa

In Vaasa, people of all ages are taught to think about our environment and youngsters already adopt an eco-friendly lifestyle from kindergarten age. Local universities, energy technology companies and other organisations intensively work together to create a more sustainable tomorrow. Our solutions for electricity distribution, living and transportation have been able to significantly reduce CO2 emissions and save energy. However, development work in Vaasa does not end after a few success stories; many more innovative ideas are still to come.

We wake up every morning

**TO SAVE
THE WORLD**



Vaasa aims to be
a **carbon neutral city** by

2035

Vaasa is one of the

**MOST SUSTAINABLE
CITIES IN FINLAND**

In Vaasa, up to **40% of coal**
can be replaced with

**RENEWABLE
BIOFUELS**

**VAASA'S BIOGAS BUS PROJECT IS
THE FIRST OF ITS KIND IN
FINLAND** and substitutes 280,000
litres of fossil fuel every year

*In the Vaasa region
you will find strong
expertise in decent-
ralised energy production
and energy use solutions.
The Vaasa region helps to
showcase how Finnish
development and techno-
logies can be combined
to meet the energy and
climate goals.*

MIKA LINTILÄ
MINISTER OF ECONOMIC AFFAIRS

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UNIVERSITY CITY FULL OF KNOWLEDGE

Thousands of university students form a driving force for the Vaasa region

In Vaasa, every fifth resident is a university student. In proportion to population, Vaasa is Finland's largest city of higher education. In Vaasa you can earn your degree in three languages at five different universities, offering alternatives and opportunities in more than 30 multilingual qualifications. In addition, hundreds of international students arrive at Vaasa's Universities each year. Thanks to our strategy for energy education, the vast majority of these young, intelligent people have excellent skills in energy.

A PIONEER

in higher education co-operation
to meet the needs of the business
community

900

exchange or degree
students

6

universities

The

CO-OPERATION

between **universities and businesses**
is one of the driving forces behind the
region's business life and produces
future innovations

MORE THAN

30%

of city
residents
have a
**UNIVERSITY
DEGREE**

Our
**ENERGY EDUCATION
STRATEGY** ensures the
teaching of energy studies from
kindergarten to university

Alternatives and opportunities

in
more
than

30

**multilingual
qualifications**

3

Studies in three
languages:
**ENGLISH, FINNISH
AND SWEDISH**

R&D activities

in Vaasa are among the **most
ambitious in Finland**

13,000

students

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The city of Vaasa is built for a hundred years to come

The environment, equality and standard of living are prime values determining the urban development of Vaasa. Multicultural and diverse population demography, quality of local services, co-creation, circular economy, community development and the broad promotion of culture add great value to the whole city, both in the short and long term. In Vaasa, we are actively developing our urban structure further in this direction, to form a versatile and sustainable cityscape for a hundred years to come. We are a pioneer in smart city solutions, and today many innovative projects such as the Ravilaakso residential area and the Wasa Station multifunctional block are proof of that.

<p>INNOVATIVE ENERGY SOLUTIONS for new buildings</p>	<p>The seven largest development projects in the region ARE WORTH €1 BILLION, of which the city of Vaasa has invested about €150 million</p>	<p><i>The Wasa Station project combines a new “energy community” approach to producing and storing renewable energy. The project well demonstrates clean, versatile Finnish technology, which is globally attractive.</i></p> <p>MIKA LINTILÄ MINISTER OF ECONOMIC AFFAIRS</p>
<p>A pioneer in SMART CITY SOLUTIONS</p>	<p>One euro invested by the city of Vaasa is backed by an estimated SEVEN-FOLD INCREASE in external funding</p>	
<p>Wärtsilä will invest €200 MILLION in the Smart Technology Hub</p>		
<p>The estimated investments in the industrial areas and BATTERY PLANT PROJECT AMOUNT TO SEVERAL BILLION EUROS</p>		



The coastline city of Vaasa is full of energetic pulse and easy living

The name EnergyVaasa refers not only to the energy hub but also to a vitality that can be seen in the city's high employment rates, development, vivid atmosphere and happy people. Vaasa is a vibrant city founded more than 400 years ago, offering high living standards, a good work-life balance and opportunities for the entire family.

10% FORESTS AND GREEN AREAS

Vaasa is the gateway to the only
NATURAL HERITAGE SITE IN FINLAND -
THE KVARKEN ARCHIPELAGO

473

kilometres of shoreline

EVERYTHING IN VAASA IS WITHIN WALKING OR BIKING DISTANCE -
here people do not sit in traffic jams but are at work in

10-15 minutes

Vaasa has turned out to be a hidden gem. We selected the location for business reasons, but I have found that it is also a very good place to live. We appreciate that Business Finland has put a lot of faith in us via the Startup Permit, and we strive to deliver on that here in Vaasa.

ANDREY SHIGAEV
CEO, GEYSER BATTERIES

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