

## **Long traditions**



The Wickström brothers start their engine factory in Vaasa

1906

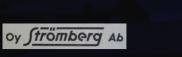


War in Finland forced Wärtsilä and Strömberg to move manufacturing to the Western part of Finland. War reparations 1944– 1952 increased the production efficiency

1938 - 1952

Wärtsilä starts manufacturing diesel engines in Vaasa

1954



frequency converters

Vacon starts

manufacturing

1993



Increased environmental awareness & legislation after 2000 has changed the energy sector

Lot of business for EnergyVaasa companies

2000

5,000 jobs

1880

Beginning of energy technology

1940

Strengths: Know-how and efficient production

Strömberg

Vaasa

generators and

transformers to

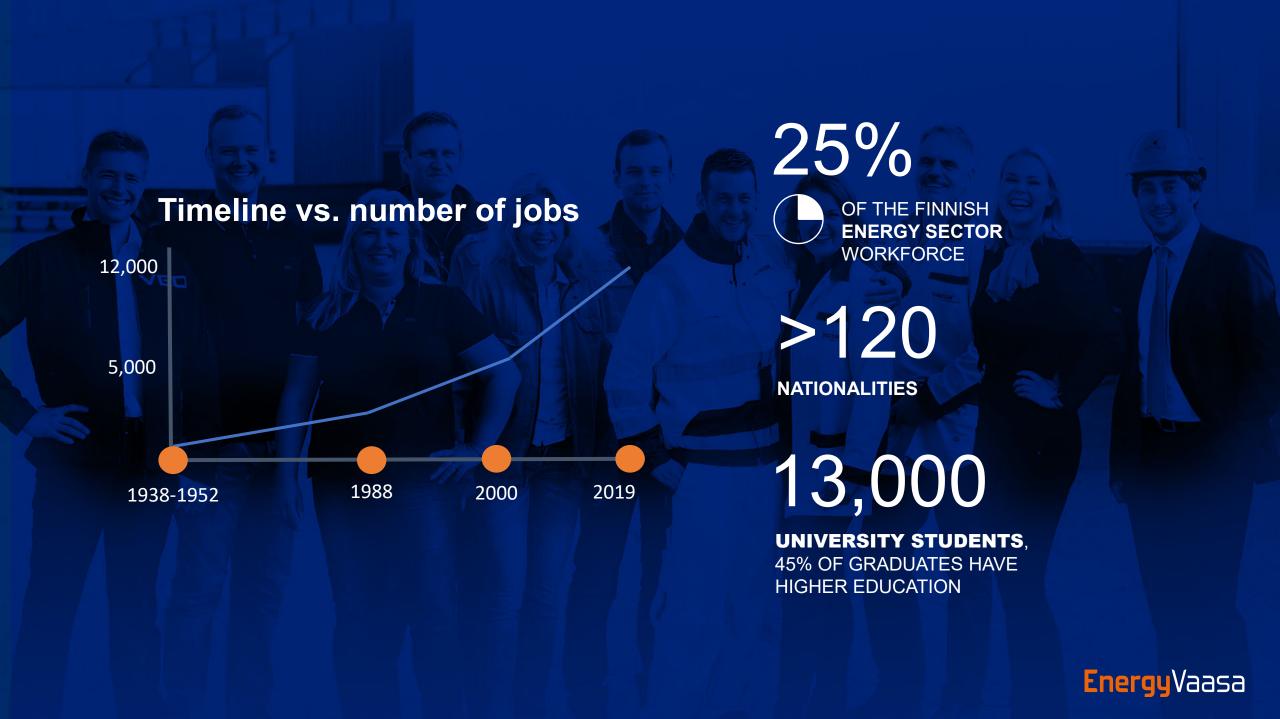
1988

Strömberg becomes a part of ABB

Spin-offs like VEO, Vacon and VAMP

**Energy**Vaasa





## 

Most green patents in the Nordics



More than 90% of the Finnish R&D in electrical and automation solutions

**80%** 

of R&D is privately funded



World Leader in Electrical and Automation Technology

 100% of countries have EnergyVaasa technology in their electrical network systems

 More than 90% of Finland's electrical and automation development takes place in the Vaasa region

 The region provides the world's finest technology to all corners of the world





OF WICH 80% IS
PRIVATELY FUNDED

BILLION EUR BY 2025



ENERGY TECHNOLOGY
INFRASTRUCTURE
INVESTMENTS BY JUST 8
COMPANIES

13,000



**STUDENTS IN 6 UNIVERSITIES**, 45% OF ALL GRADUATES HAVE HIGHER EDUCATION

20 OF FINLAND'S POPULATION GENERATES

**EXPORT: 5.5%** 

TECH EXPORT: 12%

**ENERGY TECH EXPORT: 30%** 

MORE THAN



BUSINESSES, SEVERAL OF WHICH ARE GLOBAL MARKET LEADERS IN THEIR FIELD

OVER

30%



OF FINLAND'S TOTAL EXPORT IN ENERGY TECHNOLOGY

TOTAL
BUSINESS
TURNOVER
SOME

BILLION
EUR
ANNUALLY



RATE 80%

CURRENT NUMBER OF EMPLOYEES: 12,000

TATTATE

25%

OF TOTAL MANPOWER
IN THE FIELD OF
ENERGY IN FINLAND

## Energy | THE NORDIC HUB Vaasa | FOR ENERGY TECHNOLOGY

**SMART** 

