

Siemens Energy engagement in education & Academia

Thomas Wiktorsson - Vice president
May 2025

– Impacting the whole world



>1,000

Gas turbines delivered to 75 countries.



14 billion

SEK in yearly revenue.



>110 years

of turbine manufacturing.



3,900

employees, trainees and temporary staff in 8 locations. Ca 3,700 in Finspång, ca 100 i Trollhättan, ca 100 rest of Sweden



Major exporter of efficient, future-ready gas turbines and heat pumps worldwide. Supplier and service provider of gas turbines, heat pumps, steam turbines, switchgear, transformers, automation and drives solutions for Sweden.



Largest private employer in Finspång and Norrköping.
Second largest private employer in Östergötland.

Siemens Energy in Sweden

we support our customers along the energy value chain

Low- or zero-emission power generation

Gas Services
Siemens Gamesa

- Green fuel ready gas turbines enable compensation of fluctuating renewables
- Decarbonization opportunities through service offerings
- Heat Pumps – sales and service
- Supplier of wind turbine technology and service solutions for onshore and offshore wind.



Transport and storage of energy

Grid Technologies

- High voltage switchgears and transformers
- Transmission systems
- Grid stabilization and storage
- Digital grid technology



Reducing GHG emissions & energy consumption in industrial processes

Transformation of Industry

- Integrated Electrification, Automation and Digital solutions
- Industrial Steam Turbine Service



Siemens Energy in Sweden

A powerful stakeholder in our community



State-of-the-art manufacturing, R&D, sales, design, project management, service, maintenance and modernizations



>200
professions



>85
nationalities



Long-term focus
decarbonization,
circularity,
health and safety, and
societal engagement



National and international co-operation with key technological universities and research centers



Unique **expertise** in materials engineering, thermodynamics, combustion and mechanics



Methodical leadership and competence development through Siemens Energy inhouse services;

- Power Academy
- Training & Competence Institute



Joint owner of the private, non-profit industrial high school
Curt Nicolin Gymnasiet (CNG)



Extensive trainee programs

- Graduate trainees
- Industrial trainee program
- Global trainee program

Approx. 40 master students per year.



Childrens' IT & Technology Days together with CNG

Innovation and decarbonization highlights

Our contribution to the energy transition

Power and heat generation with low or zero emissions enabled by 3-d printing



Gas turbines on green fuels

Our fuel-flexible gas turbines are ready to operate on biogas, biodiesel and high amounts of hydrogen to reduce CO₂-emissions from power production to a minimum.

Investigation of Ammonia, E-methanol, ethanol.



Decarb test center

Supports Siemens Energy's efforts in achieving

- 100% hydrogen ready gas turbines by 2025-2030
- climate neutrality in own operations by 2030
- 28% reduction of scope 3 downstream target by 2030



Pioneers in 3-d printing

- Metal 3D printing since 2009, serial production w/ 16 printers
- Up to 10 times faster than conventional production
- Minimal environmental impact
- Previously "impossible" constructions are possible
- Enabling fuel flexibility through advanced combustion design to transition to green fuels and 100% H₂ firing capability

70%

reduction in use of resources

46%

reduction of impact on climate

90%

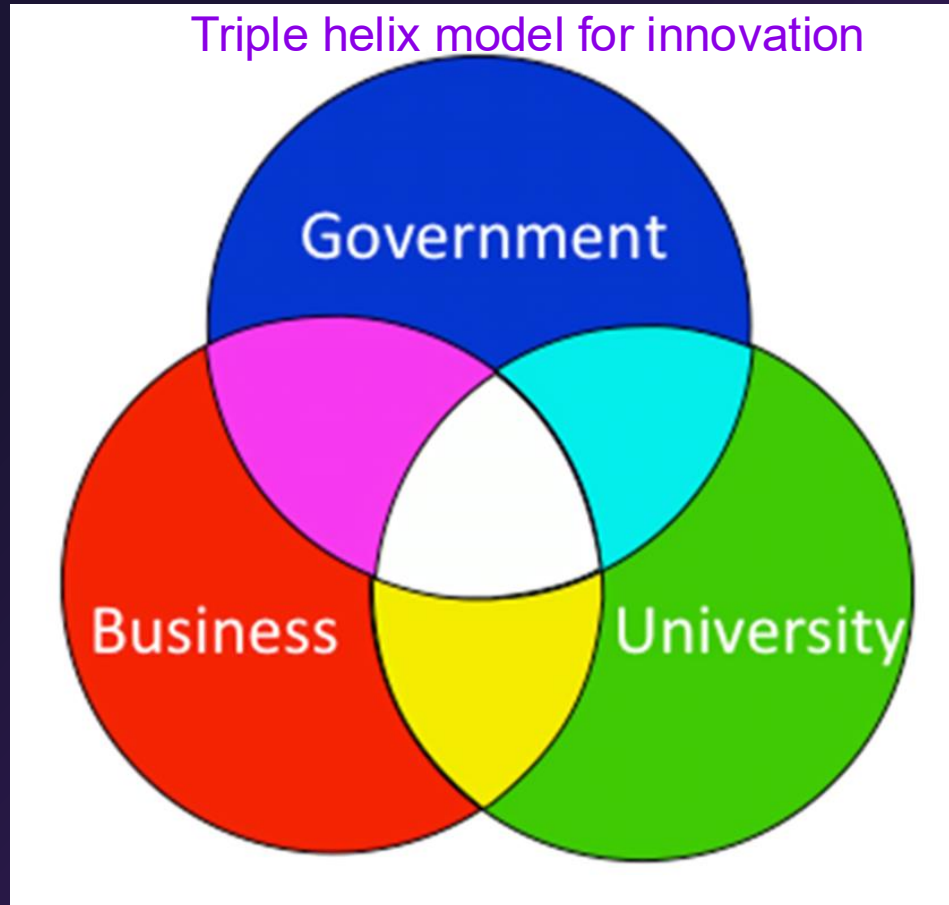
shorter lead-time

Siemens Energy engagement in education/academia



- Majority owner of our local Curt Nicholin high school/gymnasium (CNG). Workplace located education (APL), Summer break jobs, Real project challenges
- Teknikcollege
Competence = Ability and Theoretical knowledge
Innovation & Entrepreneurship
Blixtlåset national competition – Siemens Energy Innovation Award
- Strategic collaboration agreement with regional Linköpings university (LiU).
Thesis work, Industrial post graduate students, Joint applications for subsidies, Research and market/strategic outlook
- Collaboration and projects with other national as well as international universities, example Lund and NUS in Singapore etc.

Why are Siemens Energy engaged in education/academia



Engage with younger ages to motivate future students interested in studies in technical areas

Early talents, secure local employable resources/students with relevant education

Ensure an attractive location to live as families, work, education etc

Enable, minimize stepchange encourage to study at University/Academia, and/or enter Worklife

Encourage the students through work on real/industrial topics/projects

Enhance Innovation and Intrapreneurship

Empower life long learning

Motivated and engaged students enjoying education with strong industry relation and long term commitment

Thank you!

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[siemens-energy.com](https://www.siemens-energy.com)

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