



LUT  
University



# Bachelor's Programme in Technology and Engineering Science

[Link to Programme  
description](#)

- Responding to a growing demand for sustainable technology solutions in society and industry
- Combining the broad competencies of the School of Energy Systems
- Interdisciplinary topics from the core fields of engineering enhanced by language studies, entrepreneurship training and skills development

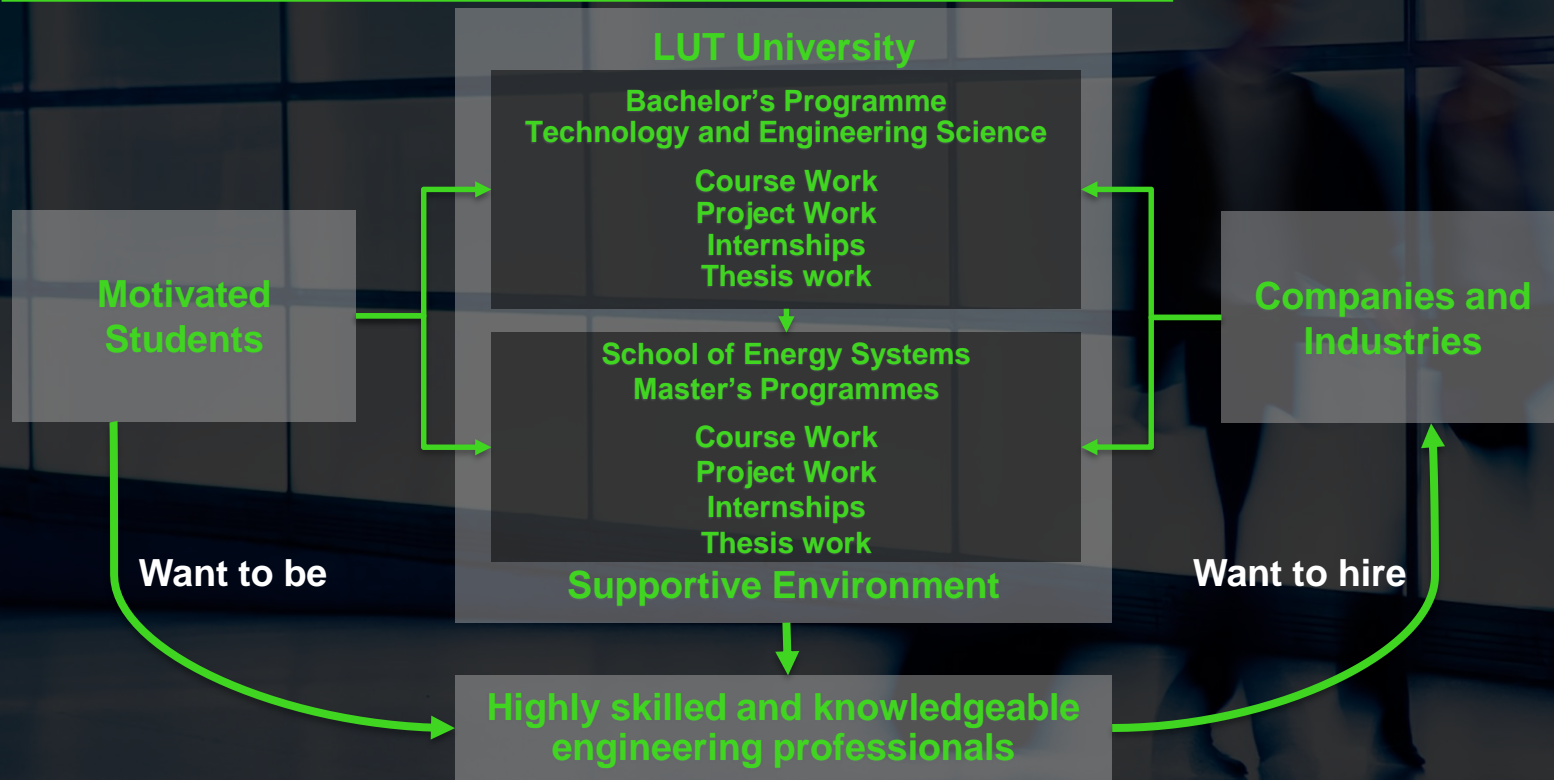


Bachelor's Programme

# TECHNOLOGY AND ENGINEERING SCIENCE



# PROJECT WORK ONE OF MANY OPPORTUNITIES





# COOPERATION BENEFITS

- Establishing contact between students and the private sector
- Private sector aids in guiding the skills development of potential employees
- Utilizing the available resources of LUT University and its staff
- Enabling entrepreneurship and innovation
- Developing relationships with international engineering students



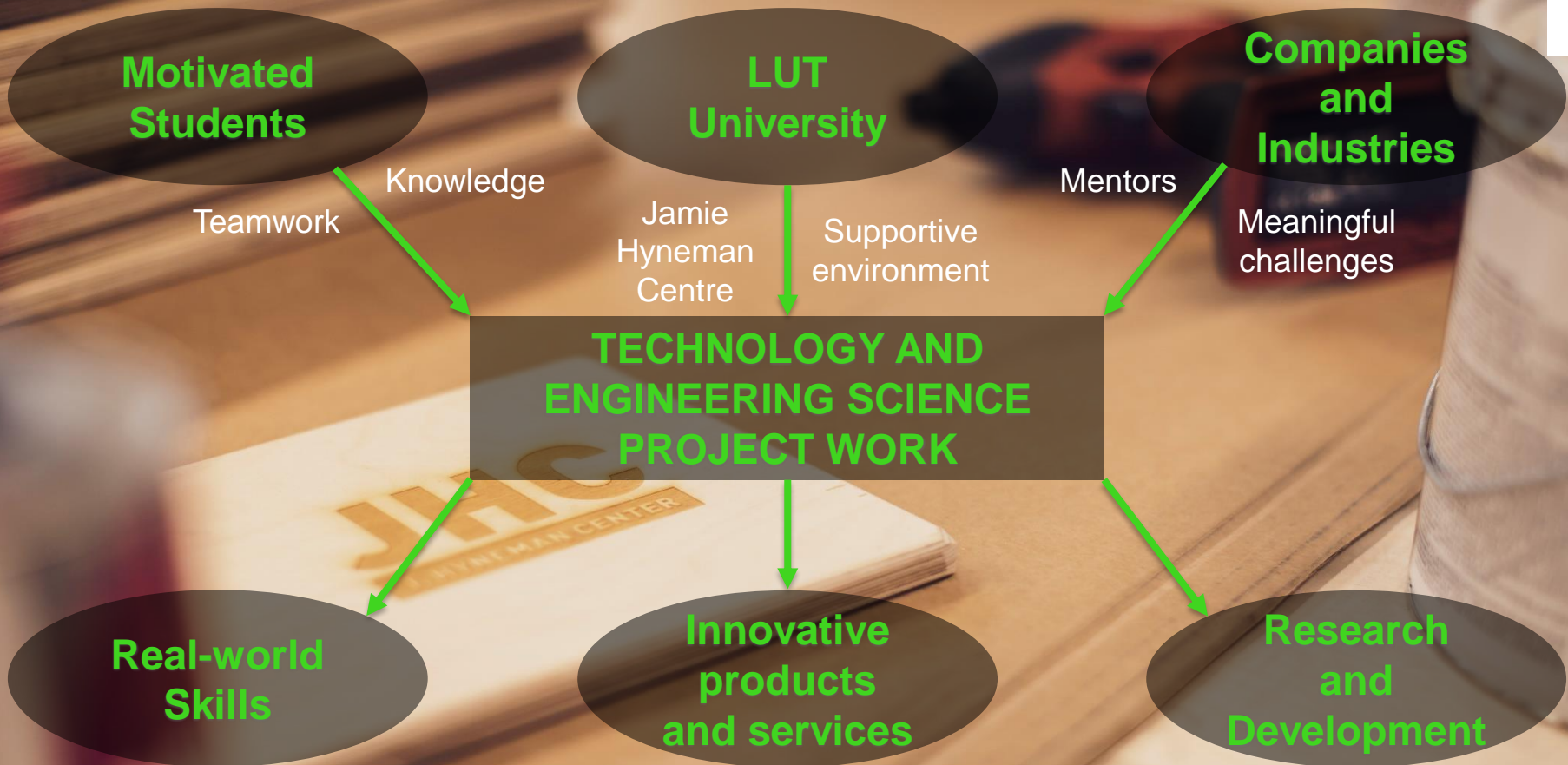
# PROJECT WORK FOR TECHNOLOGY AND ENGINEERING SCIENCE

---

TURNING IDEAS INTO SUSTAINABLE  
INNOVATIONS

DEVELOPING PARTNERSHIPS WITH THE  
PRIVATE SECTOR

**JHC**  
JOHNS HOPKINS  
CENTER





## PROJECT WORK DESCRIPTION

---

- Multidisciplinary project work is a chance to see the knowledge and skills of international students
- Companies may provide students with a relevant business problem to be solved or an idea for further development
- Companies could also provide a mentor for students during the project work, or someone to help evaluate projects





## HOW DOES IT WORK?

---

- International students from different disciplines solve a problem by applying the skills acquired in their studies
- Focus on company needs through practical work with business-driven output
- Project Work 1 - 14 weeks (Sept. to Dec.)
- Project Work 2 – 28 weeks (Sept. to Apr.)
- Project work could be arranged in companies, at the Jamie Hyneman Centre or other LUT laboratories
- The overall level of commitment needed from companies is very flexible



# PROJECT WORK BENEFITS

---

- Establishing relations between students and the private sector
- Private sector aids in guiding development of potential employees
- Utilising the available resources of LUT University and its staff for research and development
- Enabling innovation and the creation of valuable products or services
- Project work can be further developed as a topic of Bachelor's thesis work



# PROJECT WORK IDEAS

---

- Convert a combustion outboard boat motor to an electric motor
- Electric scooter or bicycle
- Dual axis solar tracker
- Develop low kW scale wind turbine
- Piezoelectricity generation
- Niche electricity storage solutions
- Water turbine for hikers or boaters
- Projects related to achieving a Sustainable Development Goal
- Your project idea or challenge here!



# FURTHER INFORMATION

---

How can we help your company benefit from cooperation?

Contact the Head of Programme for further information.

[Michael.Child@lut.fi](mailto:Michael.Child@lut.fi)

+358 50 467 6898