



the **Institute for Renewable Energy Systems**
at the
University of Applied Sciences Stralsund

invites to the 29th Spring School FUSES



29th Spring School FUSES 25th April – 6th May in 2022



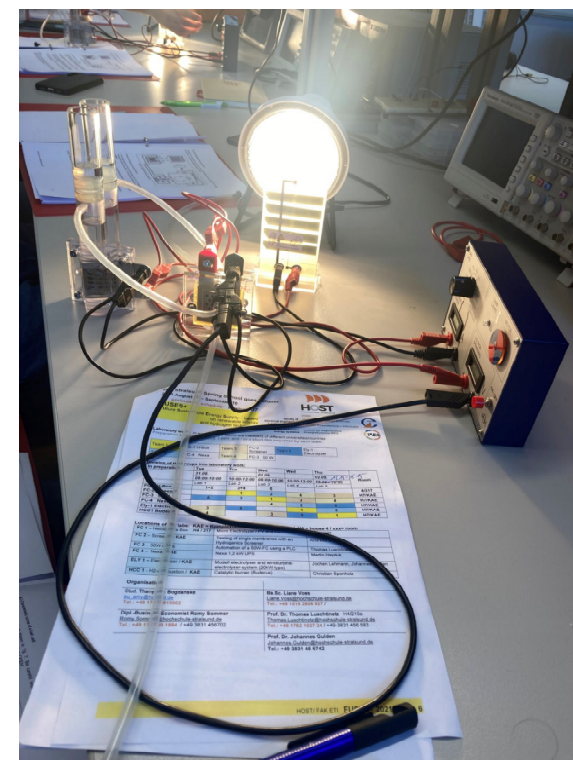
Impression from spring school goes autumn 2021

29th Spring School FUSES 25th April – 6th May in 2022

What's in it for you?

You join a 2 weeks international training school with focus on renewable energy and hydrogen technology:

- **Seminars** on all issues of renewable energy systems and hydrogen technology
- **Labs on hydrogen technology and renewables** and presentation of lab results
- **Exchange about students' home countries** and the energy situation there
- **Excursion to Hannover fair**
- **Intercultural get-together** and barbecues for students and professors :o)
- **Examination & farewell party**

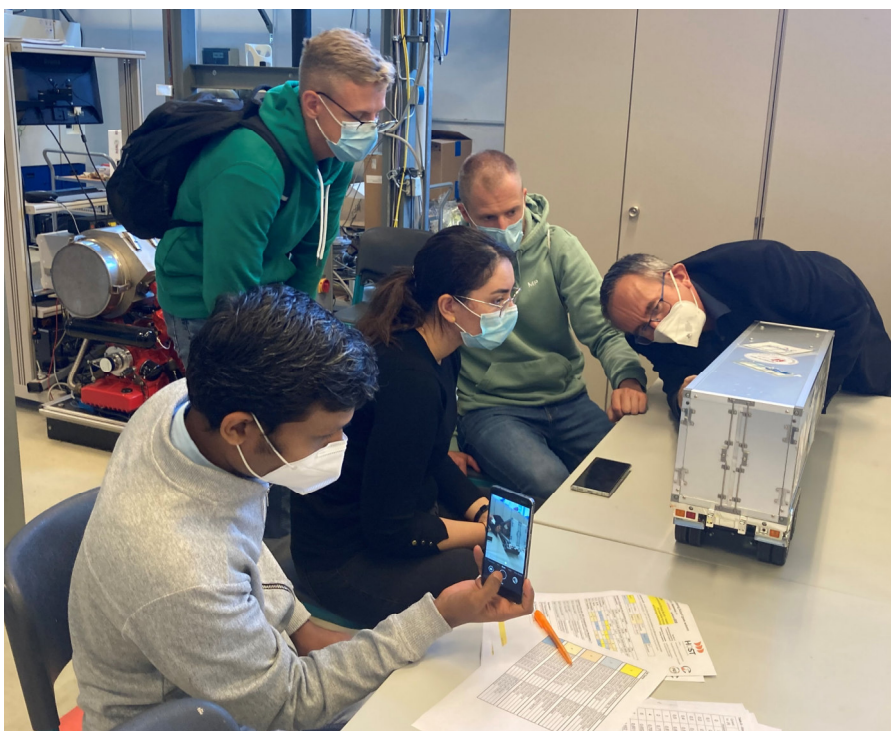


29th Spring School FUSES 25th April – 6th May in 2022

What's in it for you?

You learn together in mixed teams of international students:

- ca. 45 students from Estonia, Lithuania, Poland, Russia, Norway, Finland, Brazil, Thailand + more countries

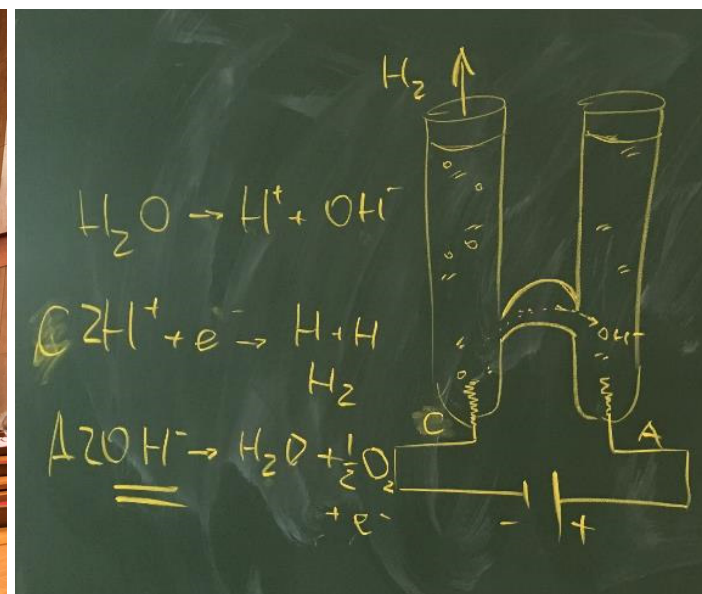


29th Spring School FUSES 25th April – 6th May in 2022

What's in it for you?

You get the expertise from many different energy technology fields and a variety of scientific perspectives at your side:

- lecturers from diff. partner universities from Finland, Norway, Poland, Lithuania, Brazil, Austria and Germany



about the University of Applied Sciences Stralsund



- ✓ young and innovative university
- ✓ modern equipment
- ✓ perfect staff-student ratio
- ✓ located next to the Baltic Sea
- ✓ perfect conditions for studying, research and quality of living
- ✓ top-ranked university

- Founded: September 1991 with 175 students
- Students: approx. 2,300 winter semester 2018/19
- Faculties: Electrical engineering and Computer sciences, Mechanical engineering, Economics

University of Applied Sciences Stralsund

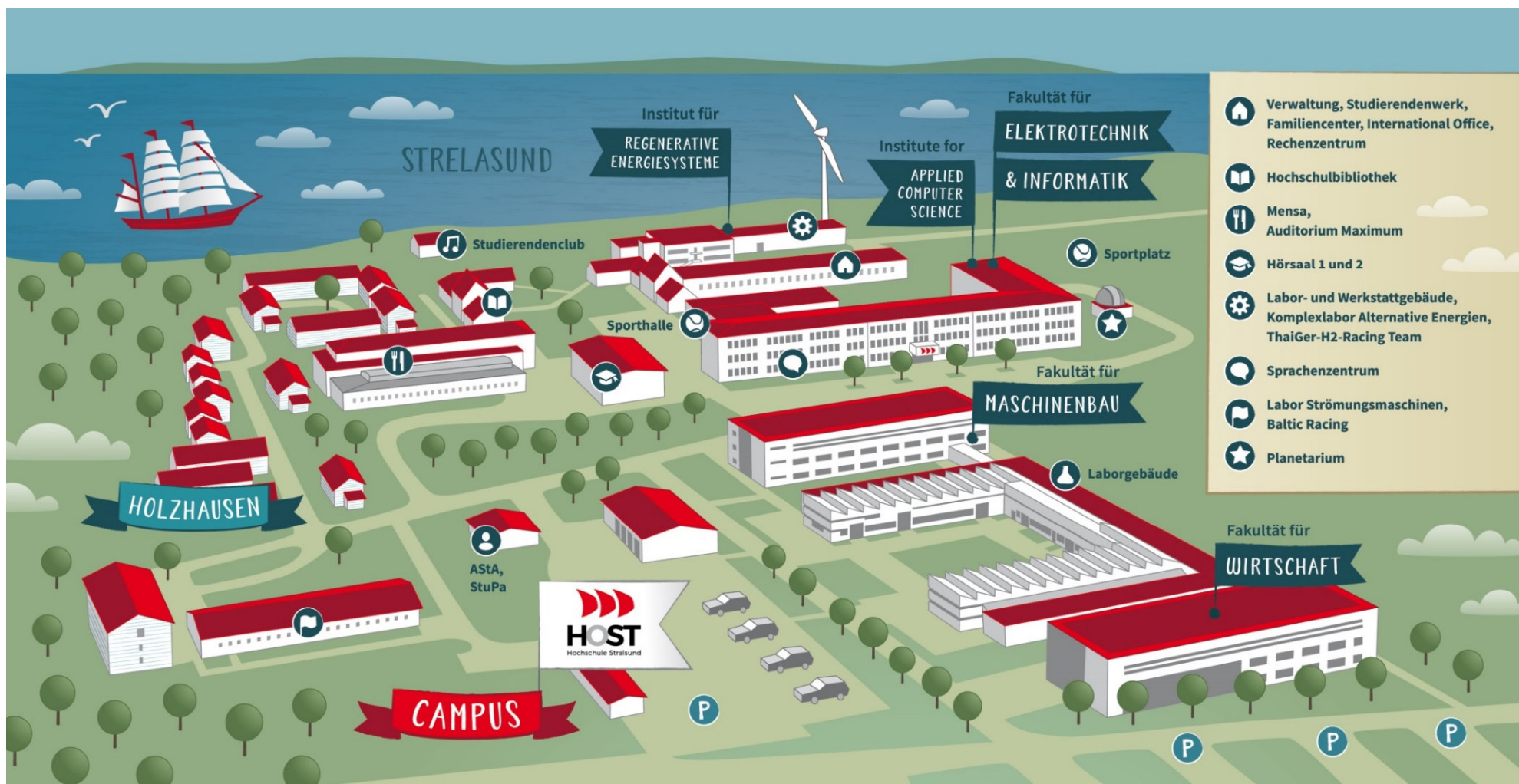
- Where is it located?



Hochschule Stralsund
Zur Schwedenschanze 15
18435 Stralsund
www.hochschule-stralsund.de

University of Applied Sciences Stralsund

- Campus university



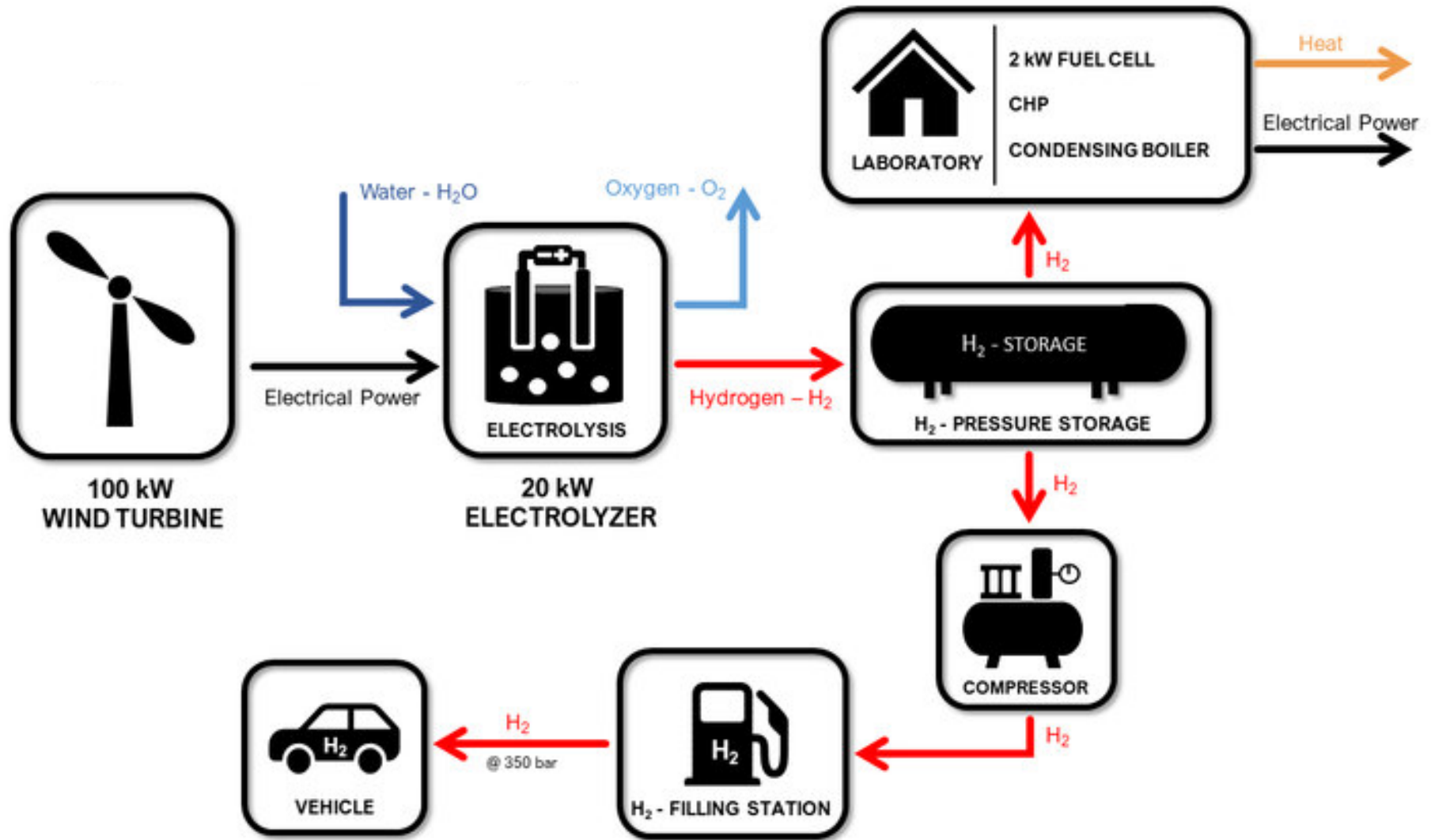
The Institute for Renewable Energy Systems at the Stralsund University of Applied Sciences

Energy of the future

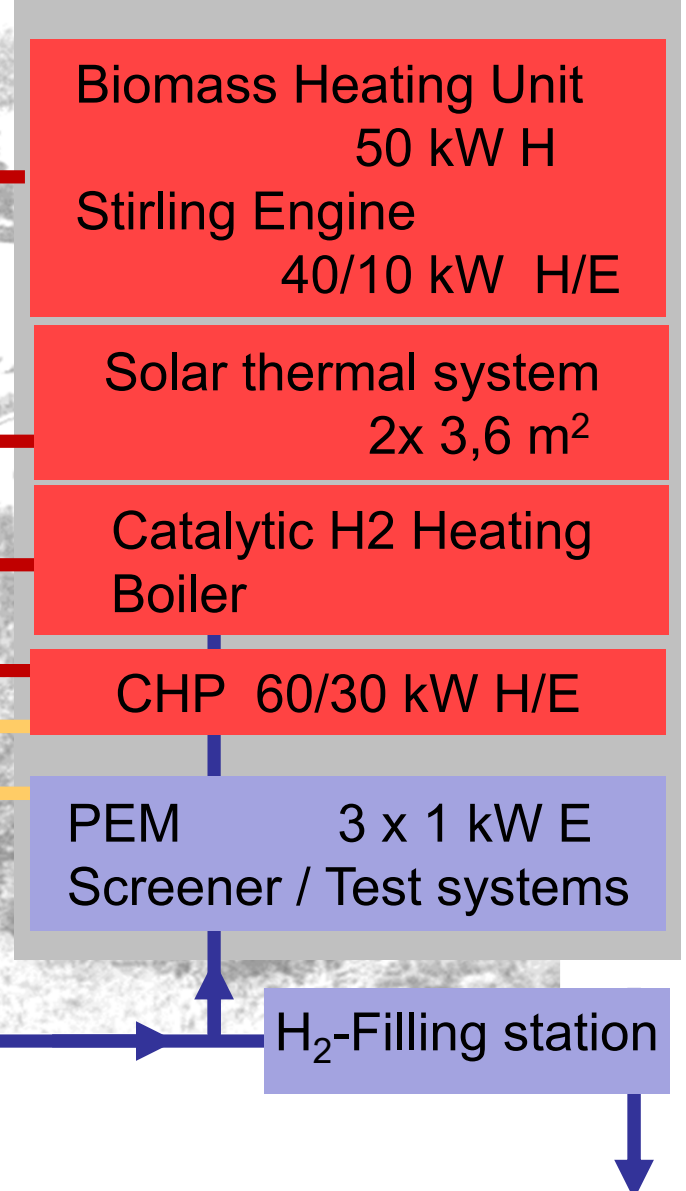
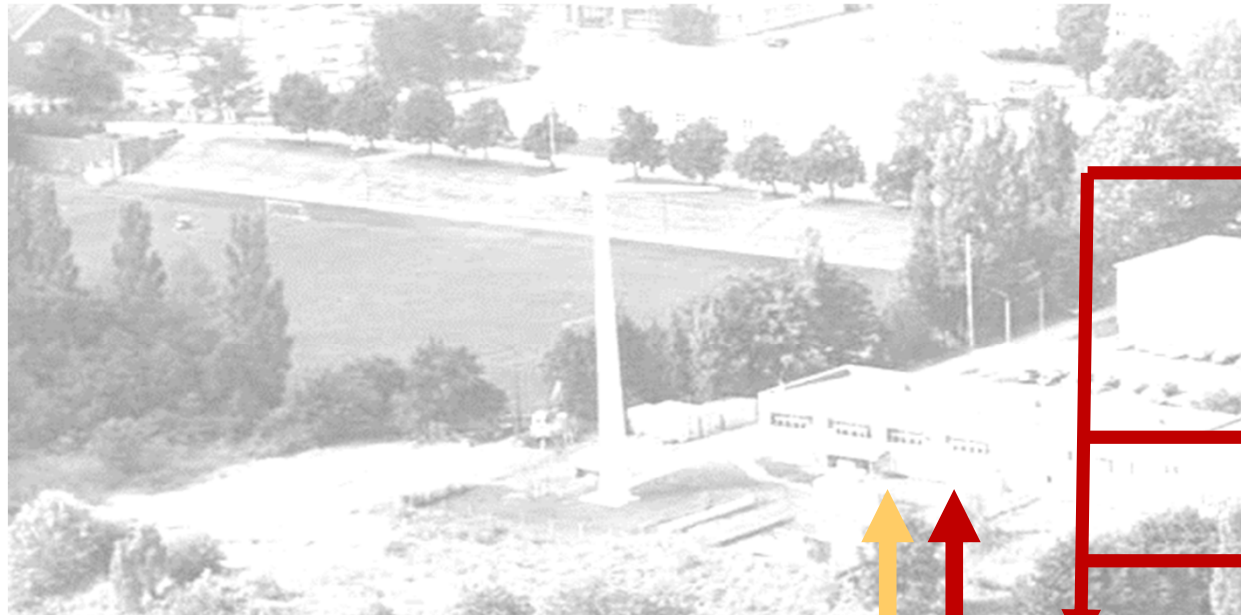
- The generation of renewable and low-emission energy is an essential component of tomorrow's energy supply.
- The Institute for Regenerative Energy Systems is tackling this socially relevant issue.
- The goal of the scientific work of the institute is interdisciplinary research, teaching, training and further education and technology transfer in the field of modern energy systems.



green energy supply of the university campus
by a Wind-Hydrogen-System since 1996
(ca. 40.000 kWh / year)



Laboratory for Integrated Energy Systems



Windturbine 100 kW

Photovoltaic Syst. 10 kW

Smart grid lab
electricity / heat

Biomass Heating Unit
50 kW H
Stirling Engine
40/10 kW H/E

Solar thermal system
2x 3,6 m²

Catalytic H₂ Heating
Boiler

CHP 60/30 kW H/E

PEM 3 x 1 kW E
Screener / Test systems

Electrolyzer 20 kW

H₂ pressure tank

H₂-Filling station

Electricity circuit

Heating cycle

Hydrogen cycle



ThaiGer(VI)-H2-Racing Team Stralsund

Participation in Shell Eco-marathon

London, July 2019

3290 km with 1 Liter gasoline equivalent

> 1000 km / Nm³ H₂

1st of hydrogen prototypes again

- since 2017!



Study Courses at the Faculty of Electrical Engineering



Labs / study and final projects / lectures
Electrical Engineering (Bachelor + Master)
Renewable Energy Systems (Bachelor)
Mechanical Engineering (Master)

One semester (winter-) course (since 1997, postgraduated course):
Renewable energy and hydrogen technology
Ba- + Ma-level (sandwich model)

Intensive programmes (2 weeks): SpringSchool

Internat. Master Course: Renewable Energy and Electromobility (REEM)

Internships / project work at IRES for PhD / Ma / Ba students / staff



Welcome to Stralsund!

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