



Energy Engineering

TU Berlin Campus El Gouna

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Liaison Officer in Cairo, Technische Universität Berlin



27.10.2015

SE4JOBS Training Workshop Cairo



TU berlin **CAMPUS**
EL GOUNA

What Makes TUB-CG?



- Campus El Gouna is a satellite campus of the TUB in Germany.

- A Non-Profit Public Private Partnership.

Founding Partners



مؤسسة ساويرس للتنمية الاجتماعية
Sawiris Foundation For Social Development



General

- **Advanced Master's degree program for students and young professionals holding a Bachelor's degree in Engineering or Natural Science**
- **Master program – sustainable solutions, renewable energy resources (biofuels, solar heating and cooling, solar power, as well as water and wind power)**
- **Focus – MENA region**
- **Multidisciplinary approach**

Study Program: Energy Engineering

Energy conversion and components

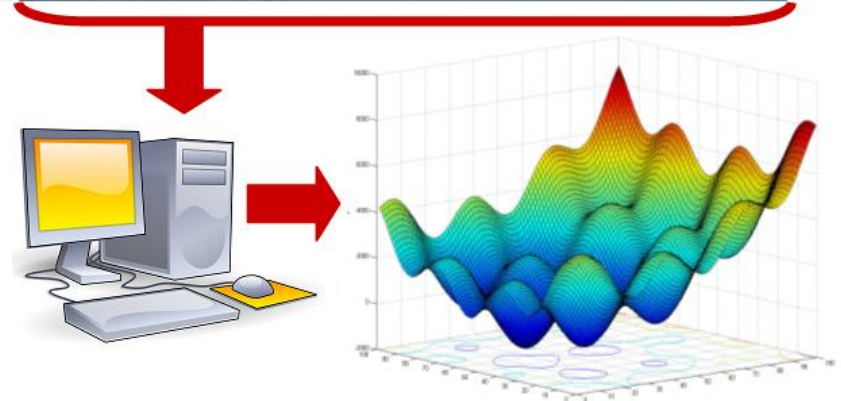
Energy systems and economics

Electrical energy engineering

Interdisciplinary Studies and Projects

1 st Semester ElGouna	2 nd Semester Berlin	3 rd Semester ElGouna	4 th Semester
Energy Engineering I 6 credits	Energy Engineering II 6 credits	Components of Energy Conversion Systems 6 credits	Master's thesis 30 credits
Refrigeration and Air Conditioning 6 credits	Conversion Technologies II 3 credits	Energy Storage and Conversion 6 credits	
Conversion Technologies I 3 credits	Electives 3 credits	Photovoltaics 6 credits	
Energy for Buildings I 3 credits	Energy Economics and Systems 6 credits	Energy for Buildings II 3 credits	
Integration of Renewable Energies 6 credits	Interdisciplinary Project 6 credits	Project: Energy Systems 9 credits	
Project Management and Intercultural Communication 6 credits	Internship 6 credits		

Master Thesis

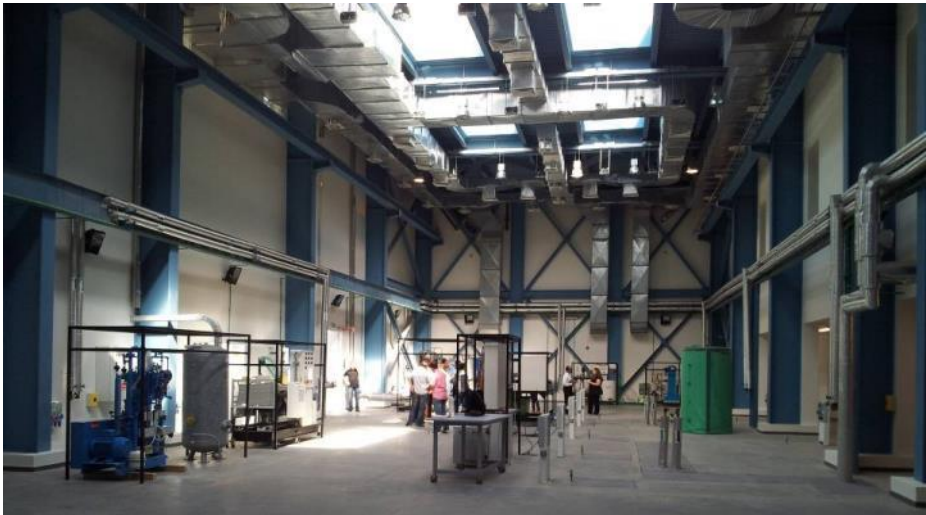


Teaching methods

The teaching methods include lectures, seminars, exercises, practical training, integrated projects, excursions to selected sites, visit of exhibitions and industrial fairs and an industrial internship.



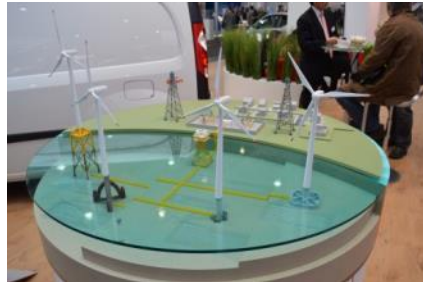
Our Technical Hall



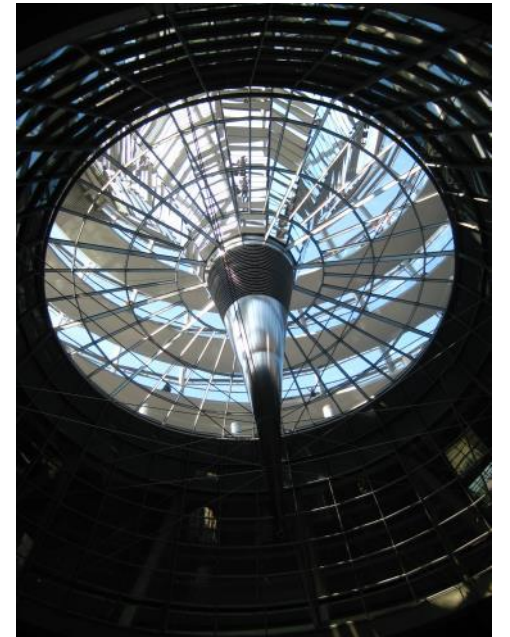
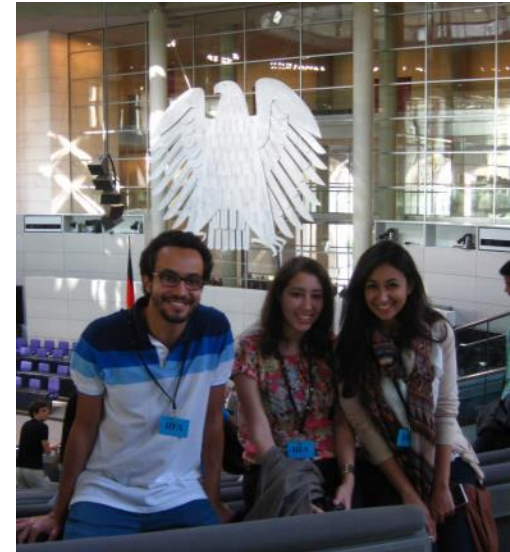
Excursion: Reuter-West Power Plant (Berlin)



Excursion Hannover Messe 2014



Excursion to the Reichstag in Berlin



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Excursion to photovoltaic system in Berlin



New Master's Degree Programs

- **IT for Energy**
- **Business Engineering**
- **Renewable Energy sources and sustainable Development (Erasmus+)**

Partnerships

- **Cooperation with ISC Konstanz**
- **Weather Station El Gouna**
- **Cooperation with MED-ENEC**
- **DAAD**
- **German Science Centre**
- **Others**



This project is funded by the **European Union**

Alumni

Fossil Energy & renewable Energy

- Siemens Egypt
- Fraunhofer-Gesellschaft
- PhD candidates at TU Berlin and in Finland
- Orascom Construction
- International Solar Energy Research Center Konstanz e.V. (ISC Konstanz)
- Freelancers / Egyptian companies



Contact

For further information and questions:

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