



# International Energy Competence Network (IECN)

Technische Hochschule Ulm - University of Applied Sciences –  
Institute of Technology  
[www.thu.de](http://www.thu.de)



**I E C N**

# Goal



sustainable, innovative, networked ...

## A worldwide network of competence centers for sustainable and renewable energy

- exchange information, knowledge and people
- identify common research interests
- work on research projects together
- exchange best practices in deployment
- benefit from individual experiences and problems

# Partners



**THU**  
Technische  
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University of  
Applied Sciences

## Overview



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### University of Applied Sciences Ulm



### Centro de Sustentabilidad y Energia renovable Guadalajara Mexico



### Central University of Technology, Free State South Africa



### Centre for Renewable & Sustainable Energy South Africa



### Mandalay Technical University Myanmar



### Pontificia Universidad Catolica de Valparaiso Chile



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## Overview

Durban University of  
Technology  
South Africa



Solar Energy Research  
Institute of Singapore



Solar Energy Research  
Center (SERC)  
Dalarna Sweden



University of Applied  
Sciences Wien



Budapest University of  
Technologie and  
Economics



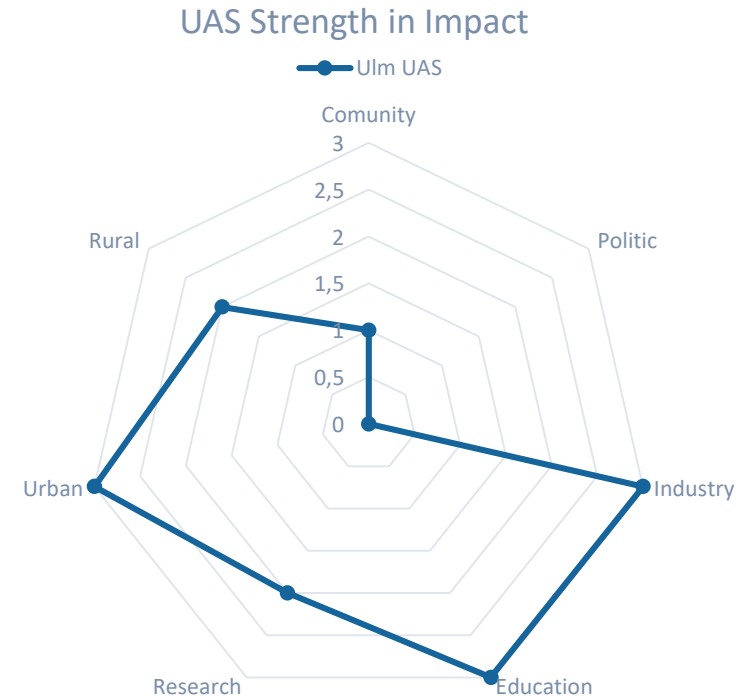
Temasek Polytechnic  
 **Temasek**  
POLYTECHNIC

# Areas of Energy Education and Research



University of Applied Sciences AUS Ulm

	Industrial connections to SME's and big companies Strong in Transfer University -> Industry
	Two Bachelor courses (Energy System Technology and International Energy Economics) Master course Electromobility and Energy storages
	Less connections to country politic Good connection to local politics

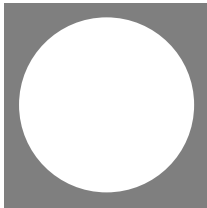


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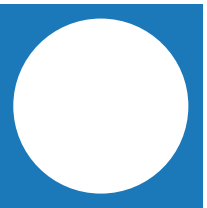


Strong in PV and Solar Thermal Applications  
Analyzing of systems  
Energy management in systems  
Storage systems with cell analysis and system design



Strong in international energy economics

- System analysis with e.g. statistical methods
- New Business Models in the changing Energy Market
- Forecasting



Energy systems

- Energy Data Science
- Modelling and optimizing Energy systems
- Storage Management

### UAS Strength in Technology

