



Federal Ministry
for Economic Affairs
and Energy



MITTELSTAND
GLOBAL
EXPORTINITIATIVE ENERGIE

energy solutions – made in Germany

Thai-German Technology Conference on Biogas

Katharina Hartmann

Consultant on behalf of the German Energy Solutions Initiative

November, 20th, 2017 in Bangkok



Deutsch-Thaiändische
Handelskammer
German-Thai
Chamber of Commerce



Content

1. The German Energy Solutions Initiative
2. The role of Renewables Academy (RENAC) AG
3. Energy Transition in Germany

Our Aims

Promotion of renewable energy and energy efficient technologies

Showcase sustainable energy solutions

Implementation of projects

Know-how transfer

Contribution to international **climate protection**



The Initiative – a success Story

The **German Energy Solutions Initiative** creates benefits for Germany and the participating countries like Thailand by:

- ✓ boosting global interest in renewable as well as energy-efficient technologies
- ✓ while encouraging their overall acceptance
- ✓ improving the economic, technological and political cooperation between Germany and other countries
- ✓ generating jobs in Germany and also in your country



How can you participate and meet German enterprises?



✓ Foreign trade fairs



✓ Networking opportunities



✓ Know-how transfer
✓ Information
✓ Capacity building



✓ Trade missions



✓ Fact finding missions



✓ Project development & flagship projects



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Networking opportunities

Information events in Germany

Trade Missions to your country

- ✓ First-hand information about German technologies
- ✓ One-to-one meetings

Trade fair participations

- ✓ Joint German stand at leading international trade fairs
- ✓ Face-to-face contact with company representatives and other German experts
- ✓ Showcasing select exhibits



Know-how transfer

Fact finding missions

- ✓ Missions to Germany for foreign companies & decision-makers
- ✓ Visit of best practices and applied solutions

Project development & flagship projects

- ✓ Facilitating business partnerships and know-how transfer

Capacity building



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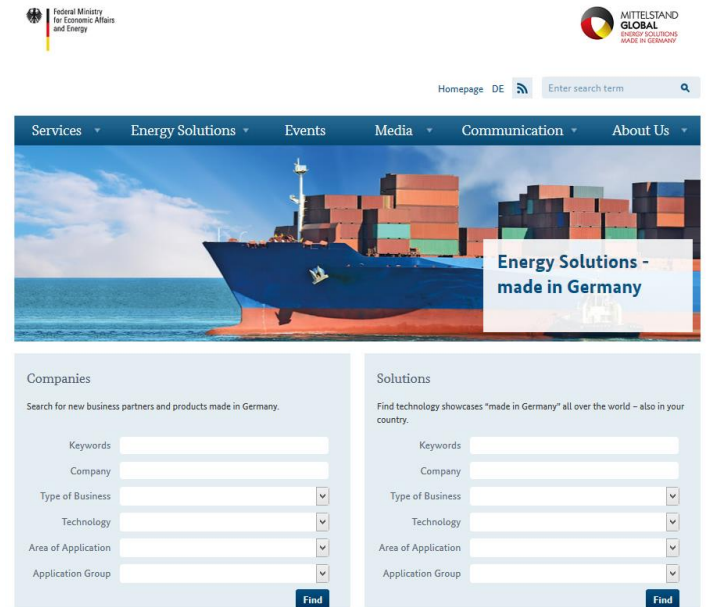


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Information about Events and German companies

On our website you can find:

- ✓ Information about technologies made in Germany on a Database
- ✓ Current news and upcoming events
- ✓ www.german-energy-solutions.de
- ✓ You may also always contact us!



Upcomming Events for and in Thailand in 2018

- ✓ **Webinar** on Energy Efficiency in Industry with Focus on Energy Management on March, 08th, 2018 as a preparation for the AHK Business-Trip
- ✓ **AHK-Business Trip** on Energy Efficiency in Industry with Focus on Energy Management from May 07th-11th, 2018 in Bangkok
- ✓ **AHK-Business Trip** on Photovoltaic and Grid Integration from September 17th-21st, 2018 in Bangkok
- ✓ **Fact-Finding Mission** for Thai Experts to Germany on Energy Infrastructure and Storage Technologies from March 12th-15th, 2018

The Renewables Academy (RENAC) AG

- ✓ RENAC is a Berlin-based training specialist for renewable energy and energy efficiency
- ✓ We are Implementing Consultants for the Energy Solutions Initiative since 2008. We offer renewable energy (RE) and energy efficiency (EE) Trainings worldwide on technical and non-technical issues



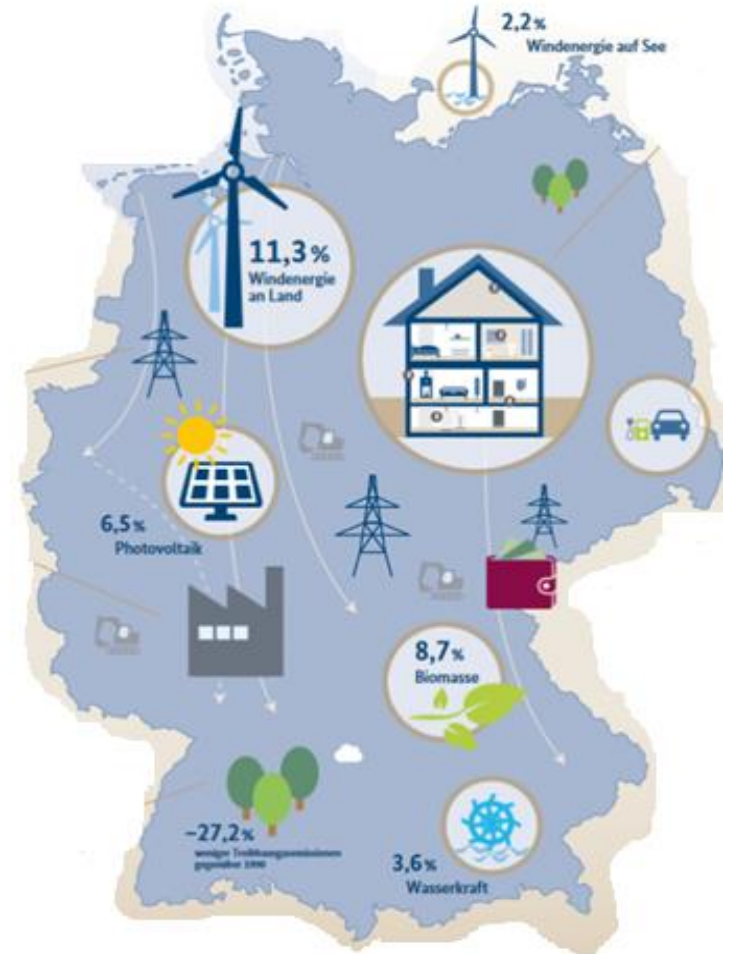
RENAC Service Expertise

- ✓ We offer renewable energy (RE) and energy efficiency (EE):
 - Training courses (face to face/ online)
 - Academic education
 - Capacity Building services
- ✓ Market leader for RE and EE capacity building and trainings
- ✓ Covered issues: technical, financial, legal, policy and project management
- ✓ Training for policy makers, finance institutions, engineers, project developers, technicians
- ✓ Independent
- ✓ Worked with over 140 countries

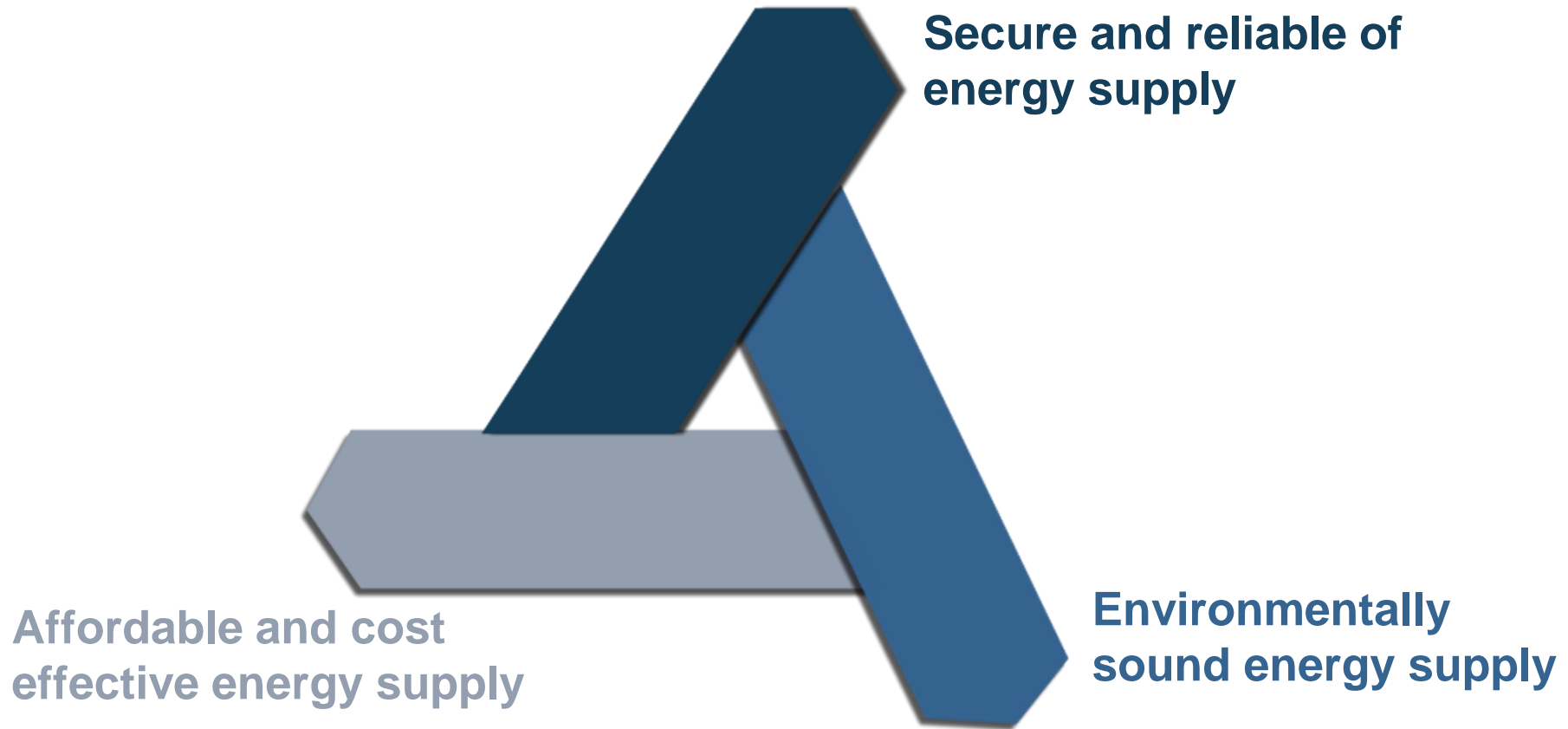


Reasons for an Energy Transition in Germany

- ✓ Phase-out nuclear power generation
- ✓ Reduce dependency on energy imports
- ✓ Reduce carbon emissions and reach climate protection targets
- ✓ Development of new technologies as new sources of growth and employment



Policy and guiding principles of the Energiewende



Affordability, reliability and environmental protection are interlinked and the ultimate objectives of the Energiewende and German energy policy.

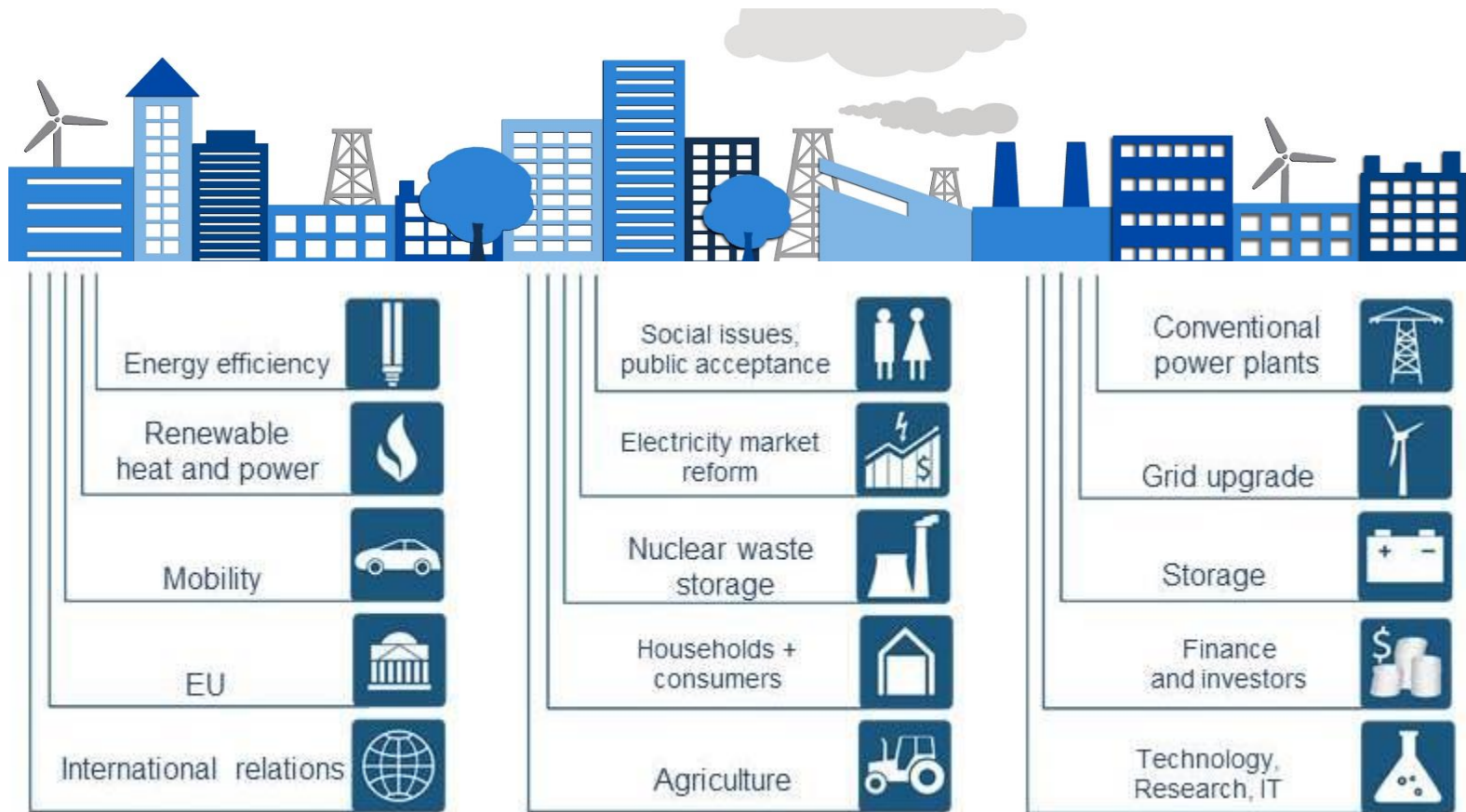


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The Energy Transition is multidimensional



The Energiewende is NOT limited to the power sector, but going far beyond. It is multidimensional and affects many more interconnected areas.



Integrated policy package for the Energiewende

Electricity



- Priority access for renewable energies
- Support scheme for renewable energies

Heating



- Renewable energies heat act, with requirements for new buildings
- Financial support through Market Incentive Programme

Transport



- Emission reduction quota for biofuels in transport
- Lower tax for gas as fuel
- Tax exemptions for electric and hydrogen vehicles

Research & Development



- (Sixth) Energy Research Programme (Federal Government)
- Research funding for renewables 328 mill € in 2016

Renewable support schemes tackle all energy sectors and ensure a holistic energy transition.



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