

# energy solutions – made in Germany

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# Content

1. The German Energy Solutions Initiative
2. The Renewables Academy (RENAC) AG
3. Energy Efficiency in the energy transition in Germany

# Aims of the initiative

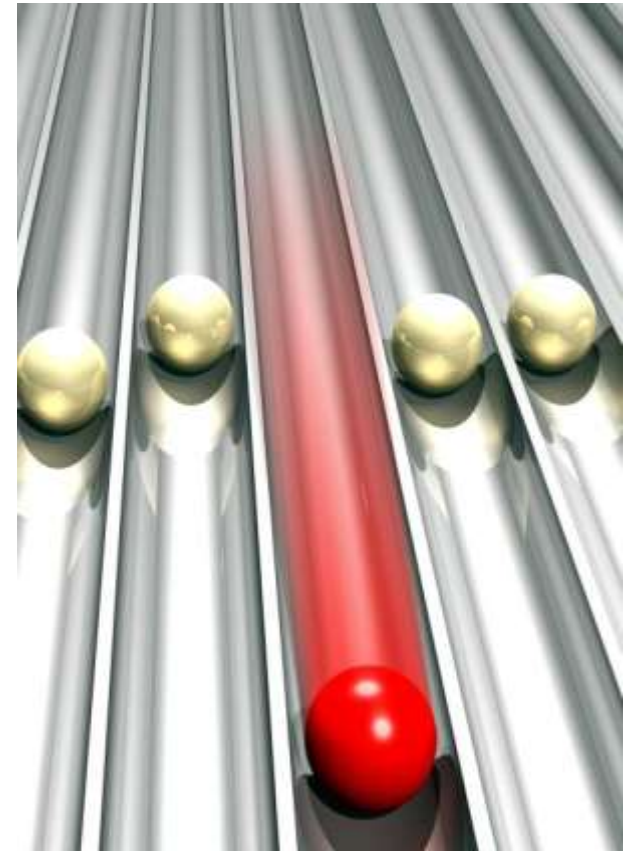
**Promotion** of renewable energy and energy efficient technologies

**Showcase** sustainable energy solutions

**Implementation** of projects

**Know-how transfer**

Contribution to international **climate protection**



# 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

# 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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# The Initiative – a Success Story

The **German Energy Solutions Initiative** creates benefits for Germany and the participating countries 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 abroad



# 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](http://www.german-energy-solutions.de)
- ✓ You may also always contact us!



### Energy solutions – made in Germany

Die Exportinitiative Energie unterstützt kleine und mittlere, deutsche Unternehmen bei der Erschließung neuer Export- und Energiemärkte bei der Erzielung von Märkten in Ausland.  
Auf den folgenden Seiten finden Sie umfassende Informationen und Herkunftsadressen für gesuchten Märkten weltweit.



Die Förderung von Export- und  
Unterstützungsgeldern im  
Bereich Energieeffizienz  
DEUTSCHE ENERGIE



Wirtschaftsaktivitäten im  
Pflanzbereich, Herstellungs-  
und Produktion auf der Basis von  
der erneuerbaren Energie  
DEUTSCHE ENERGIE



# Renewables Academy (RENAC) AG

- RENAC is a Berlin-based training specialist for renewable energy and energy efficiency
- We offer renewable energy (RE) and energy efficiency (EE):
  - Trainings (face to face / online)
  - Academic education
  - Capacity Building services





# Training, education programmes and services

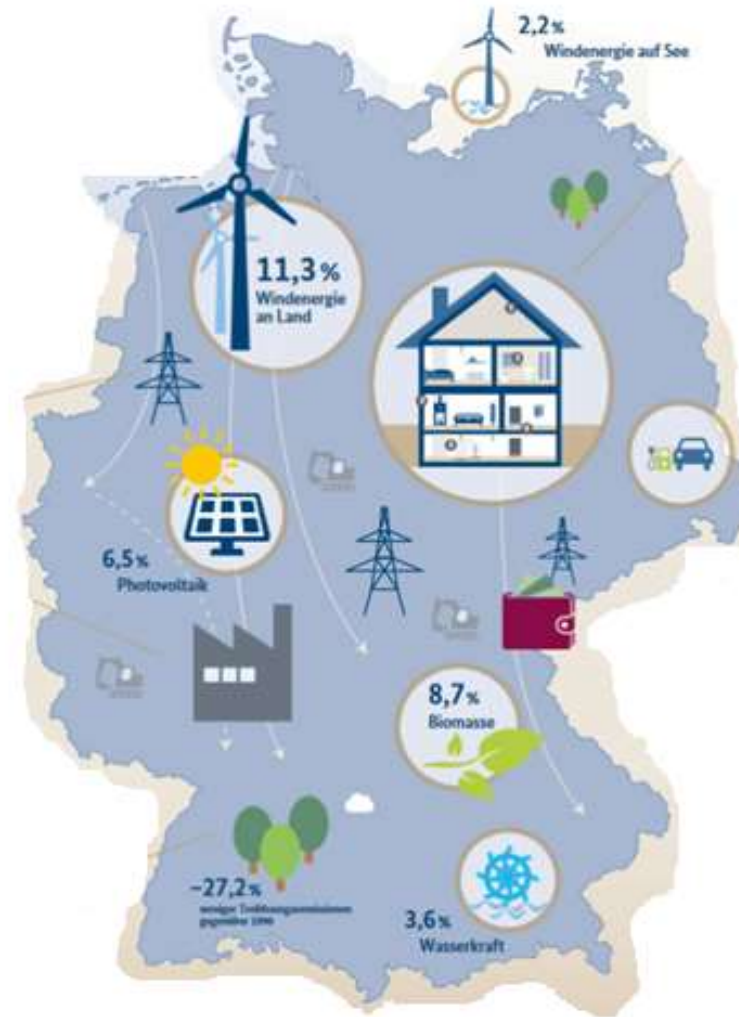
TRAINING COURSES	CAPACITY BUILDING SERVICES
Open Training	Development of curricula
Tailor-made Training	Turnkey Training Centres
RENAC Online Academy	Train-the-Trainer programmes
	Capacity Needs Assessment
	Quality Assurance

UNIVERSITY DEGREES	MARKET DEVELOPMENT AND CONSULTING
MBA Renewables	Business Match-making
GPE New Energy	Delegation Programmes
Especialización en Energías Renovables	Consulting
	Short-term Experts

# Reasons for the Energy Transition (Energiewende) in Germany

- ✓ Reduce dependency on energy imports
- ✓ Development of new technologies as new sources of growth and employment
- ✓ Reduce carbon emissions and reach climate protection targets
- ✓ Phase-out nuclear power generation
- ✓ Energy policy can be both sustainable and economically successful (combined with measures for energy efficiency)

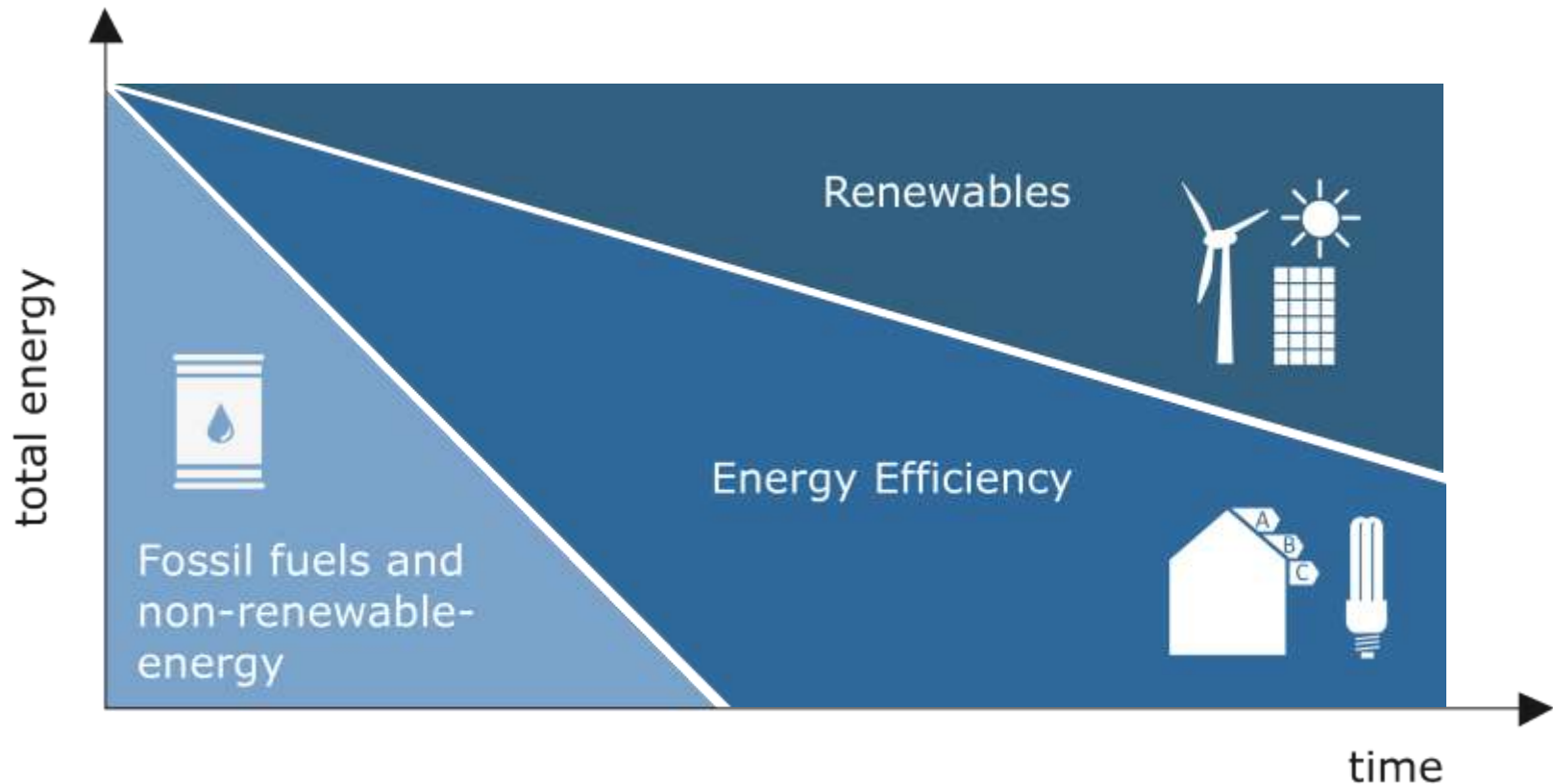


# Targets of the Energiewende 2050 and status

		2015	2020	2030	2040	2050
<b>Climate</b>	% greenhouse gas reduction (vs. 1990)	-27,2 %	<b>-40 %</b>	<b>-55%</b>	<b>-70%</b>	<b>-80-95%</b>
<b>Renewable energy</b>	% gross final energy consumption	14,9%	<b>18%</b>	<b>30%</b>	<b>45%</b>	<b>60%</b>
	% gross electricity consumption	31,6 %	<b>Min 35%</b>	<b>Min 50%</b>	<b>Min. 65%</b>	<b>Min 80%</b>
	Share in heat consumption	13,2%	<b>14%</b>			
	Share in Transport sector	5,2%	<b>10%</b>			
<b>Energy efficiency</b>	% primary energy consumption (vs. 2008)	-7,6%	<b>-20%</b>			<b>-50%</b>
	Final energy productivity (2008-2014)	1,3% p.a.	<b>2,1% per year (2008-2050)</b>			
	Gross electricity consumption (vs. 2008)	-4,0 %	<b>-10%</b>			<b>-25%</b>
	Primary energy demand (buildings) (2008)	-15,9%				<b>- 80 %</b>
	Heat demand (buildings) (vs. 2008)	-11,1%	<b>-20%</b>			

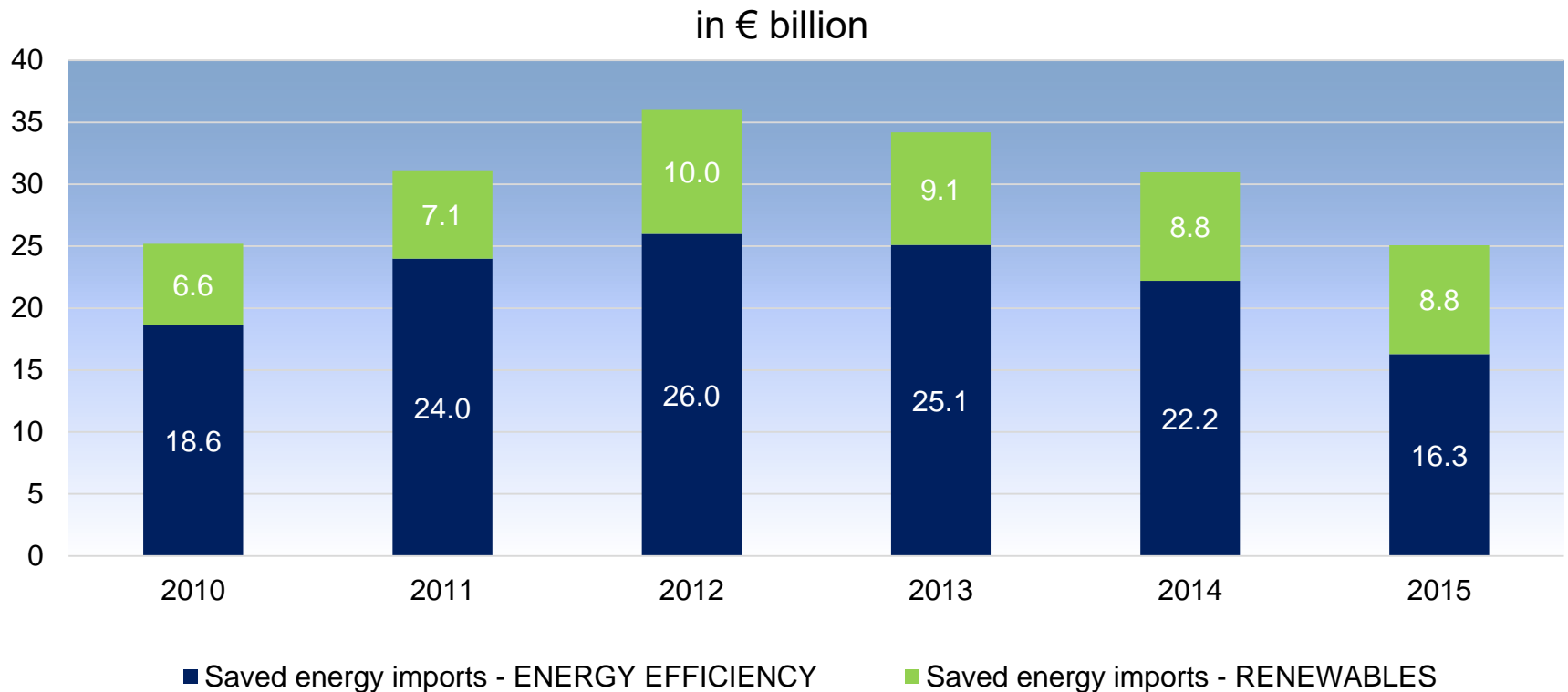
The energy transition in Germany follows a transparent, long-term strategy with specific targets.

# The importance of energy efficiency



Energy efficiency provides us with the time needed to replace fossil fuels in an ecological, economic and socially responsible manner.

# Benefit: reduced cost of energy imports



Energy efficiency saved energy imports worth € 16.3 billion in 2015!

# Participating German Companies

Company Name	Contact Person
KAESER Kompressoren GmbH	Mr. Geoff Houlgate
LANDIS+ GYR GmbH	Mr. Roman Tost
LUNOS Lüftungstechnik GmbH	Mr. Andreas Lehmann
RESOL – Elektronische Regelungen GmbH	Mr. Jerry Voloch
STEINEL Vertrieb GmbH	Mr. Dieter Kaiser
WILO SE	Mr. Peter Stamm

# Contact

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