



Federal Ministry  
for Economic Affairs  
and Energy

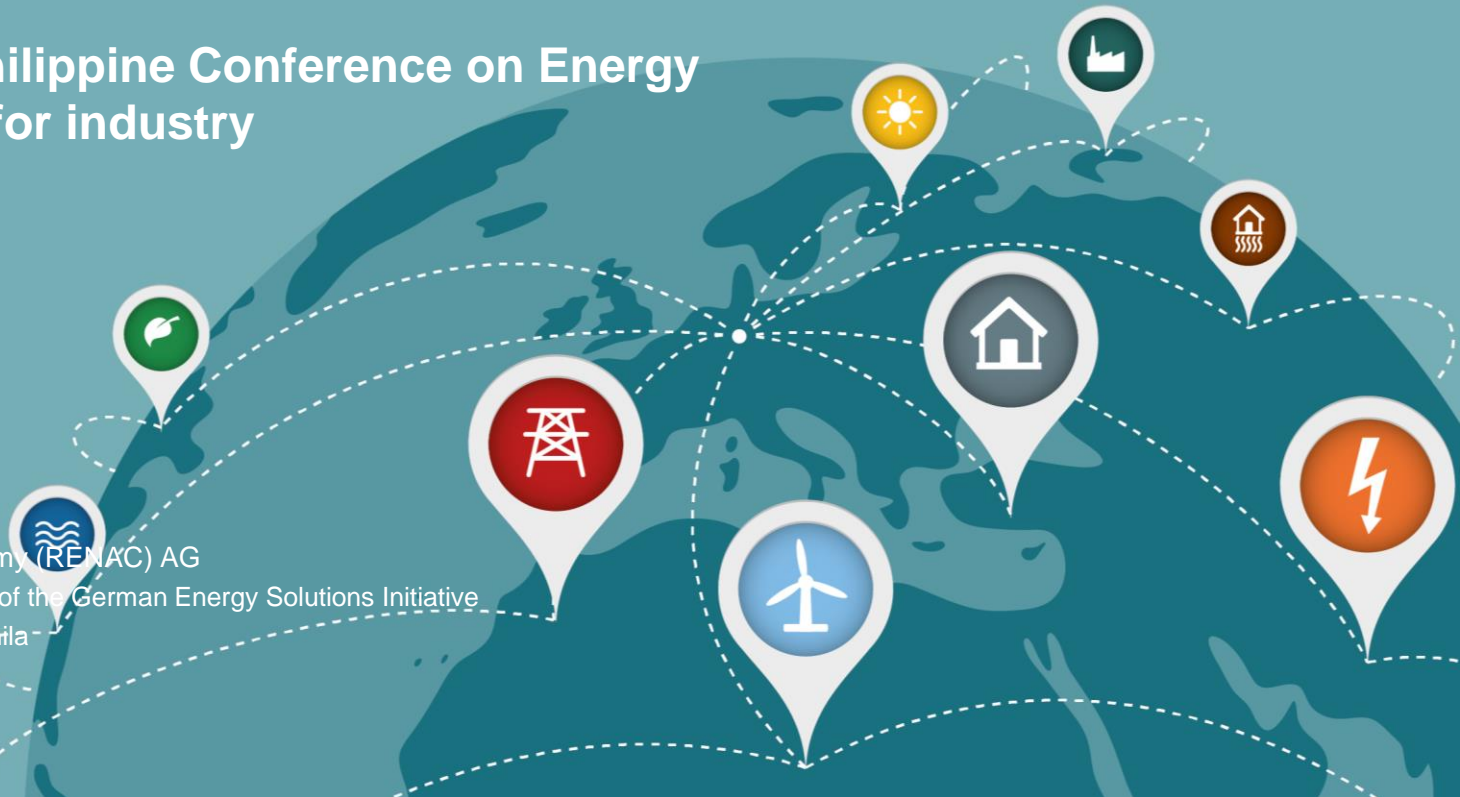


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# energy solutions – made in Germany

## German-Philippine Conference on Energy Efficiency for industry

Henning Harke  
Renewables Academy (RENAC) AG  
Consultant on behalf of the German Energy Solutions Initiative  
May 5th, 2019 in Manila



# Content

1. The German Energy Solutions Initiative
2. The 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**



# 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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# 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

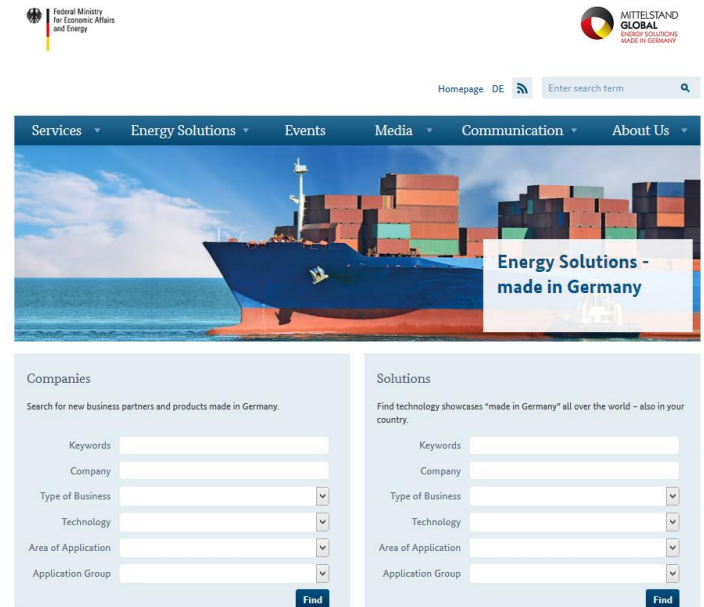




# Information about Events and German companies

## 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!





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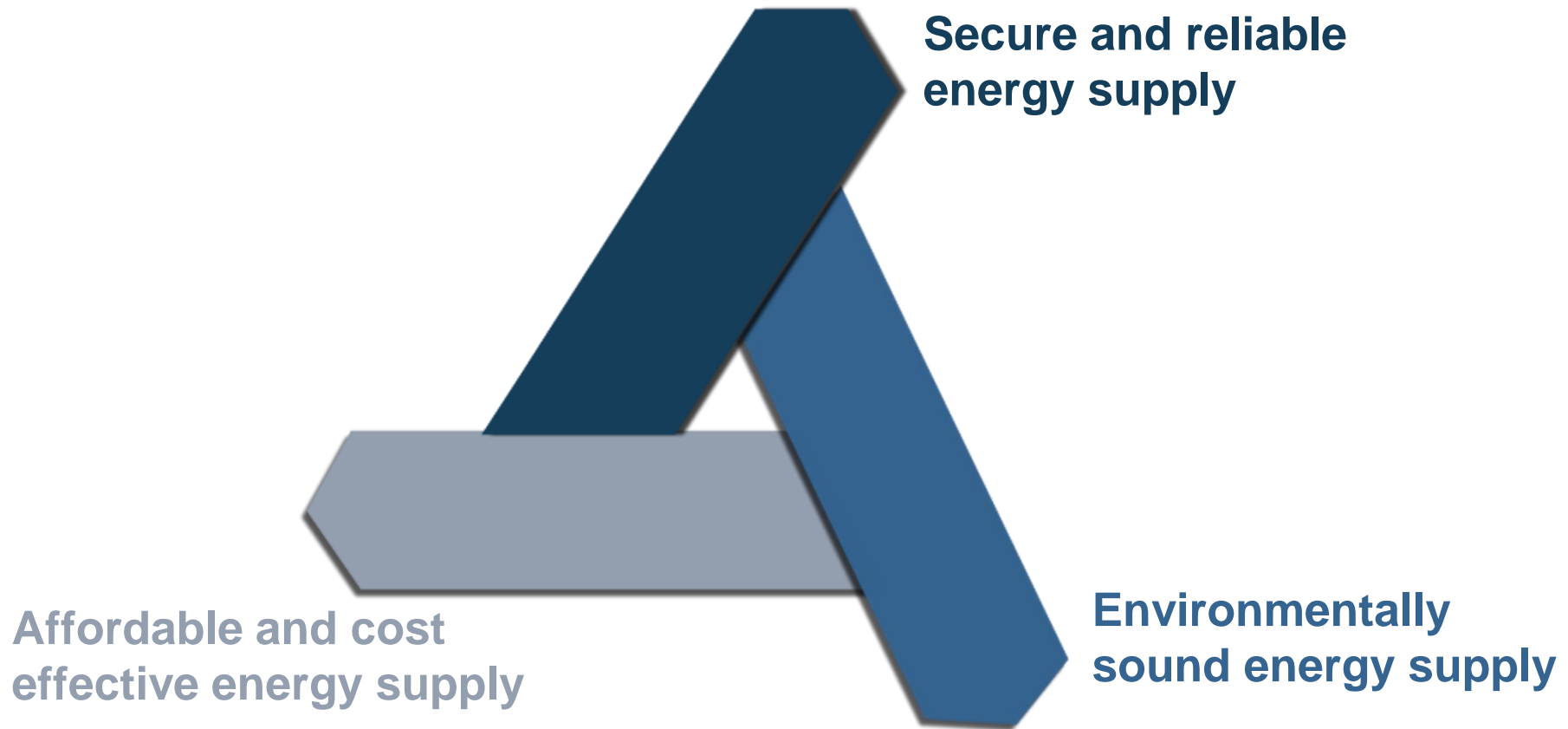


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# The German Energiewende



# 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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Source: BMWi 2017, RENAC



# Cornerstones of the Energiewende

## Efficiency first



## Direct use of renewables



## Sector coupling

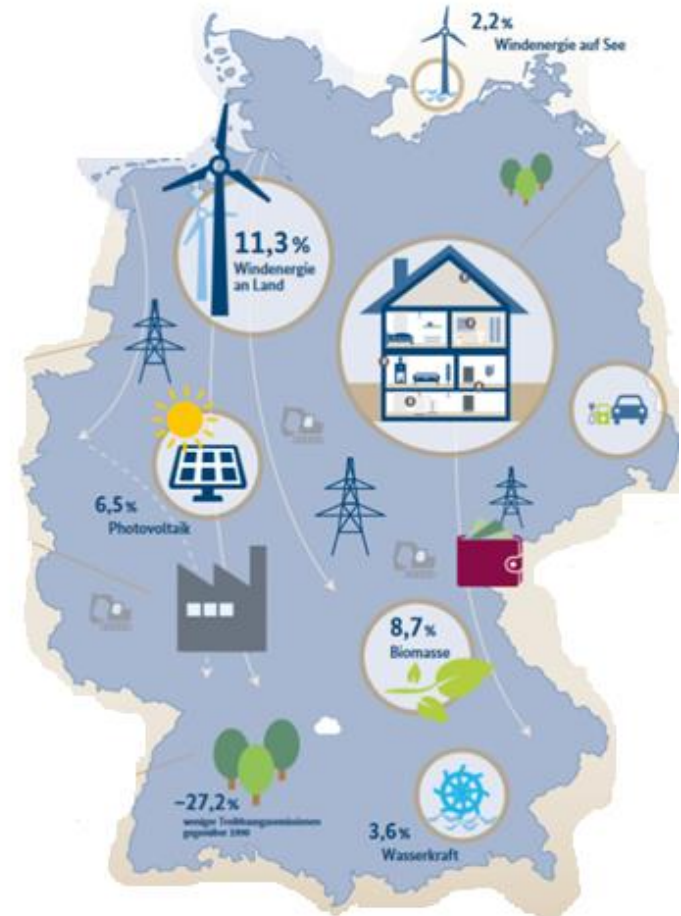


The energy transition triad combines efficiency, direct use of renewables and sector coupling

Source: BMWi 2017

# Reasons for the Energy Transition in Germany

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



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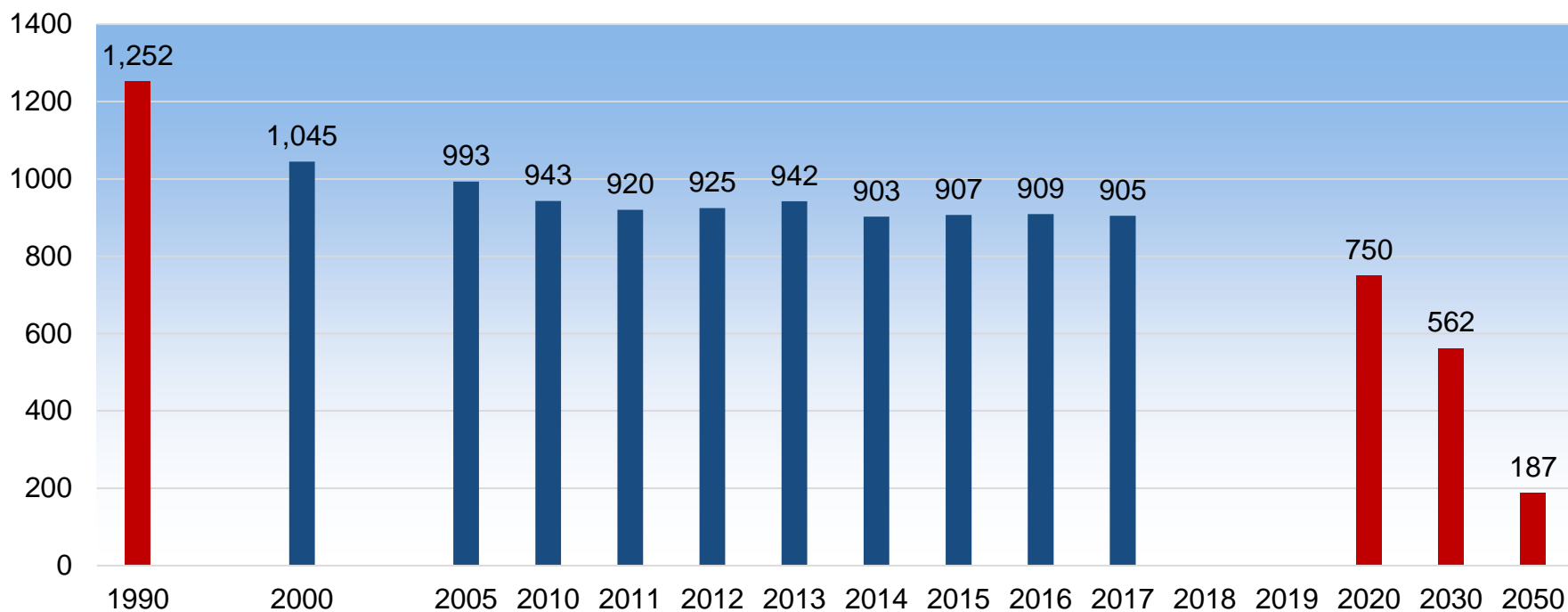


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# Targets of the Energiewende – Climate:

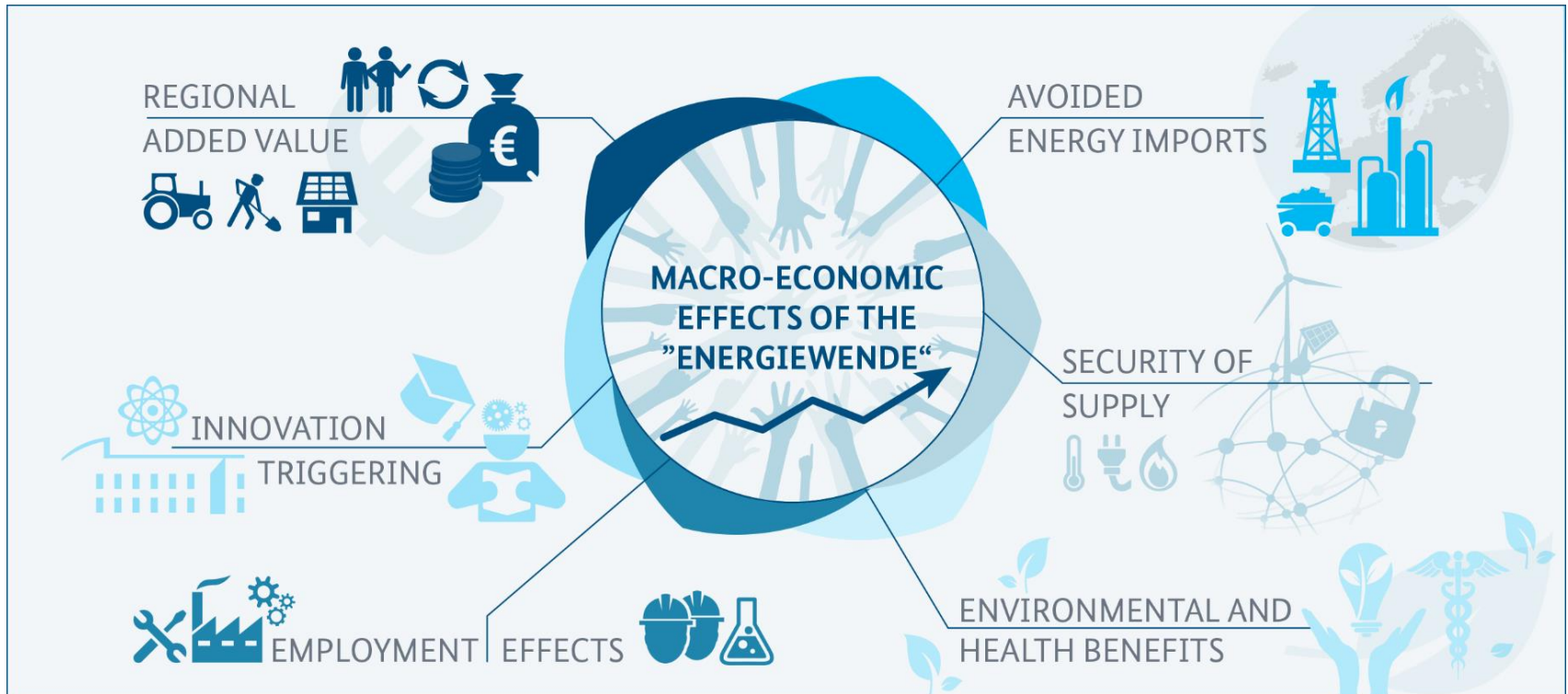
## reduce GHG emission by- 40% by 2020 against 1990

**Annual GHG emissions in MT CO2 eq.**



*Germany has made progress but with “only” -27.7% GHG emission reduction against 1990, it will miss its 2020 target of -40%. The government has confirmed its 2030 and 2050 targets.*

# Benefits of the Energiewende



Source: BMWi 2014, ERGO Kommunikation

The energy transition has numerous positive effects on various levels.

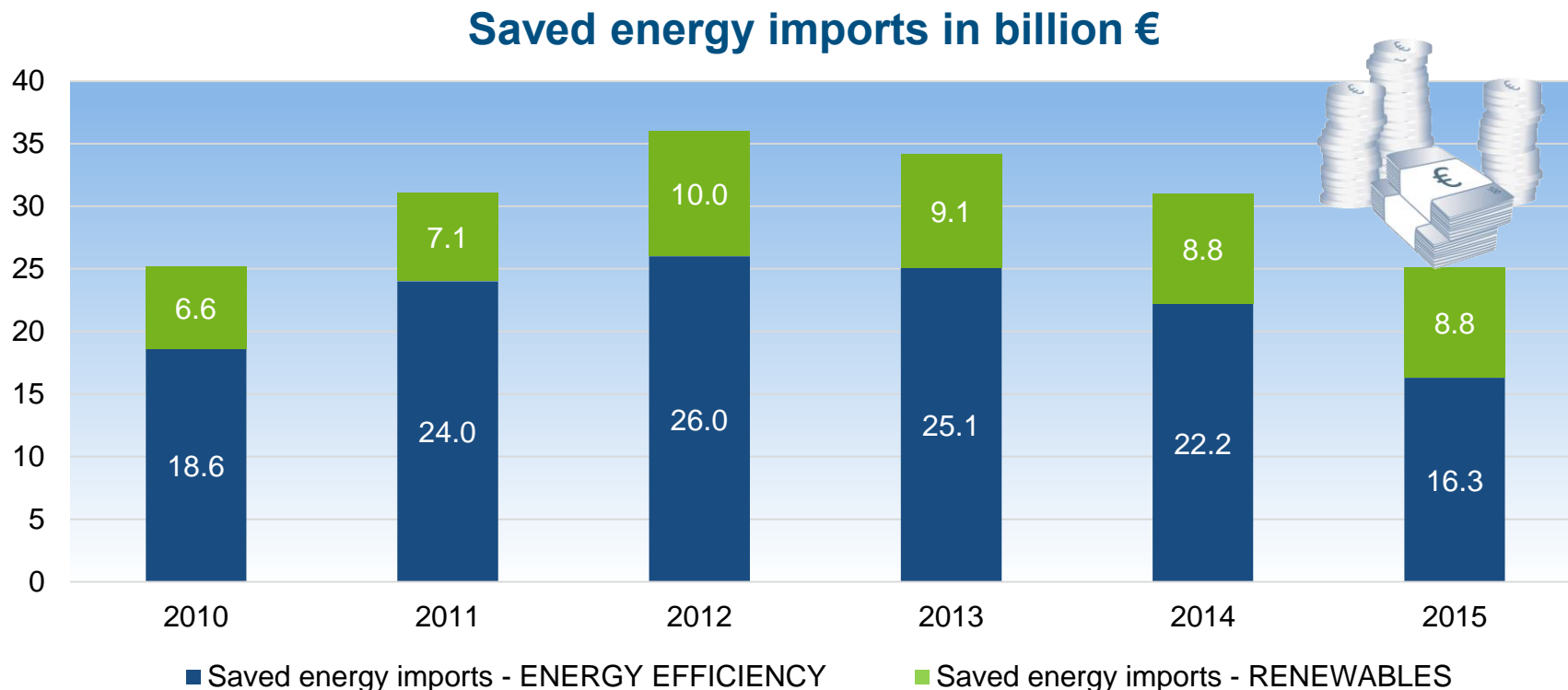


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# Benefits - reduce costs of energy imports

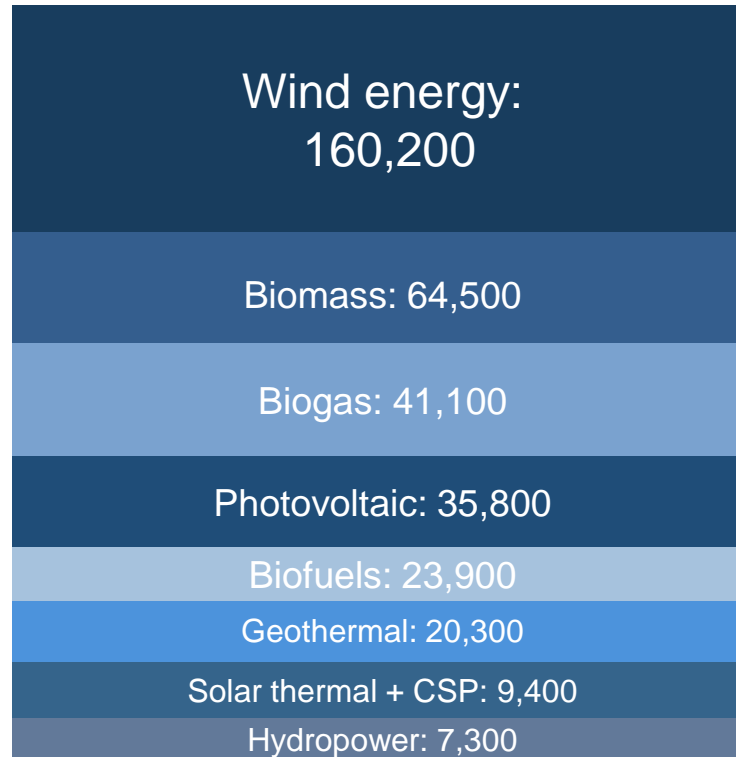


*Renewable sources of energy saved € 8,8 billion in 2015.*



# Jobs in the German renewable energy sector 2016

**Total 2016:  
338,600 jobs**



The renewable energy sector employed 338,000 people in 2016, roughly the same level as in 2015.



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Data source: DLR/DIW/GWS 2018

# Contact

## Coordination Office

### German Energy Solutions Initiative

+49 (0)30 18 615- 6401/7386

[office@german-energy-solutions.de](mailto:office@german-energy-solutions.de)

[www.german-energy-solutions.de](http://www.german-energy-solutions.de)

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### Facilitator

### Renewables Academy AG

Henning Harke

+49 (0)30 587087033

[harke@renac.de](mailto:harke@renac.de)

[www.renac.de](http://www.renac.de)



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