



Energy Efficiency in Industries and Buildings

Side Event GIZ Energy
Energy Efficiency in Industries and Buildings
Marrakech, 10th of November 2016



Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ)

A federal not-for-profit enterprise working in 130 countries

Employing 17.000 employees including 13.000 national staff

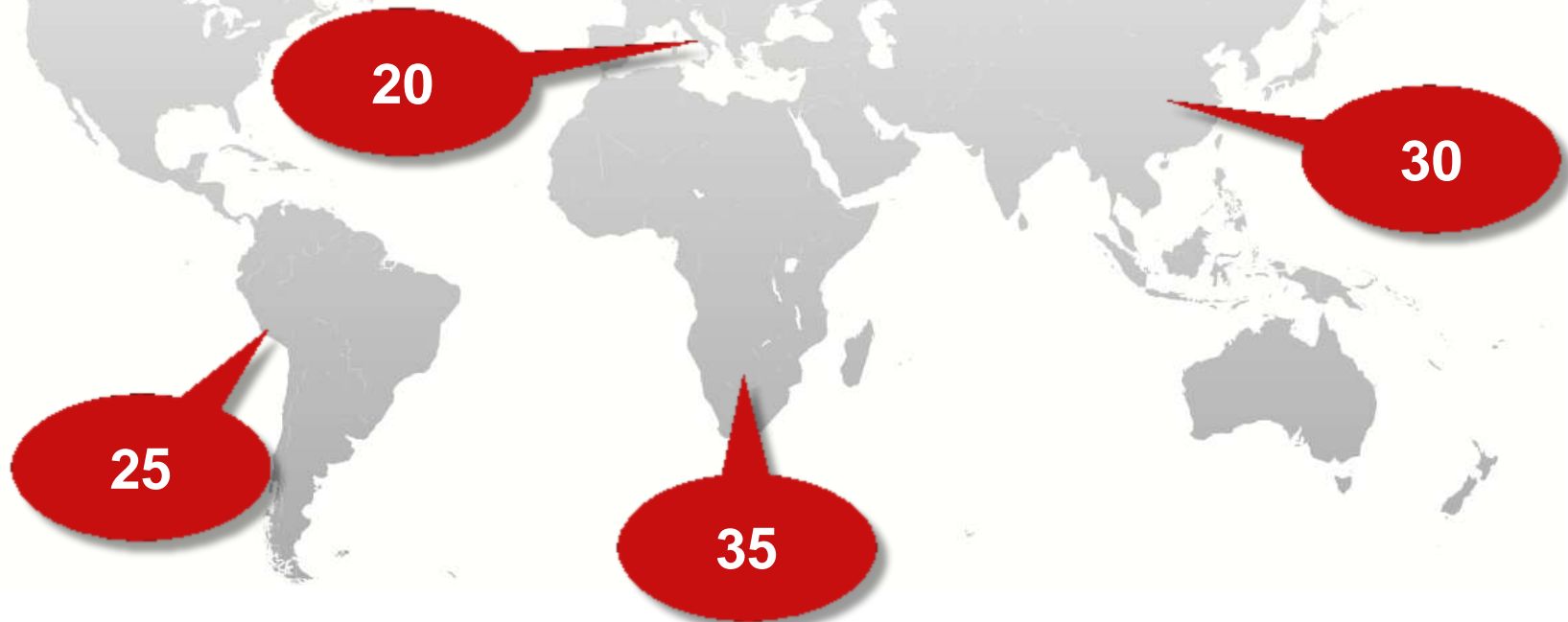
Mandated by the German government

- to provide technical assistance and capacity building to partner institutions
- to support and contribute to complex change and reform processes
- to provide strategic studies
- to realise infrastructure programs
- and other activities with and for participating partners





Portfolio and coverage of Renewable energy and energy efficiency projects of GIZ



Total: 110 projects (2016)



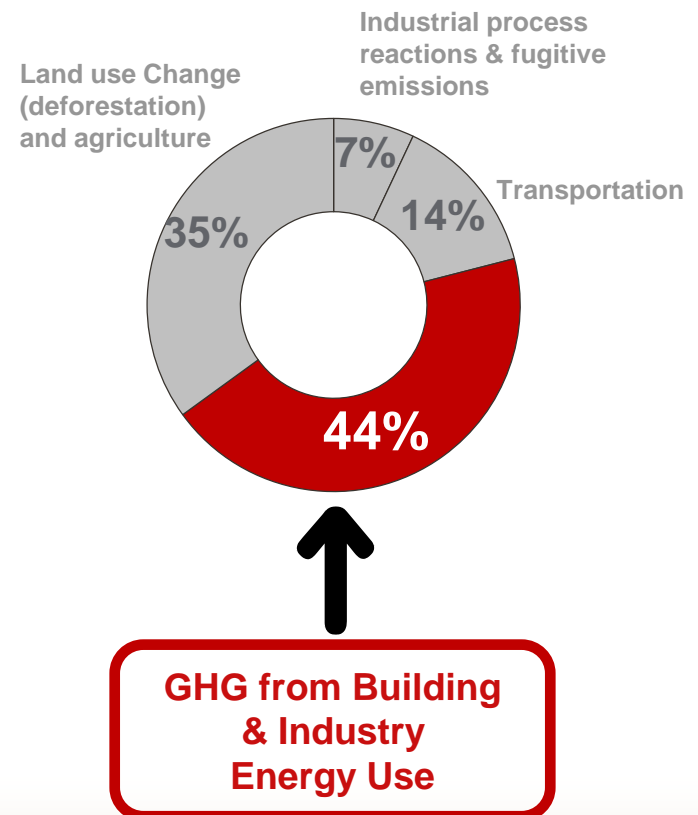
Buildings and Industry are the 1st GHG emission contributors...

≈ **44%** GHG contribution comes from buildings & Industry

- 3x larger than GHG contribution from transportation

In industry & buildings:

- **70%** of electricity is generated via coal or hydrocarbons
- **90%** of heat and process activities burn hydrocarbons





... and don't forget the multiple benefits of EE measures:



- Increase Energy security and autonomy
- Avoided investments in fossil fuel powered energy plants (1 trillion USD saved)
- Reduction of energy subsidies
- Increased Industrial Productivity
- Employment effects
- Macro-economic impacts...
- AND positively contribute to Climate change mitigation
 - In 2015: 1.5 billion tons of GHG gas emissions (GtCO₂) in 2015 avoided!
 - Since 2000: all in all 13 billion tons of GHG GtCO₂ avoided!



Program:

- The NAMA Energy Efficiency Program in Mexico: Integrating and financing EE in the housing sector
- How EE measures are supported in India
- Upscaling EE measures in Public Buildings: ESCO in public buildings
- Supporting EE measures in energy consuming companies: