



Your guide to energy efficiency in buildings.

bigee.net the web-based knowledge platform for energy efficiency in buildings



Find all about savings options and potentials, net benefits for investors and how policy can support achieving the savings.



makes energy efficiency in buildings and appliances transparent.

For investors, policy-makers and actors involved in implementation and consultancy.

The platform informs about energy efficiency options and savings potentials, net benefits and how policy can support achieving the savings. Targeted information is paired with examples of good practice.



bigEE is an international initiative of research institutes for technical and policy advice and public agencies in the field of energy and climate, co-ordinated by the Wuppertal Institute (Germany).

At the core of the initiative is the web-based knowledge platform bigee.net providing information on energy efficiency in buildings, building-related technologies, and appliances in the world's main climatic zones including the related policies.

The Guides



Buildings Guide

Upgrade to Ultra-Low-Energy Buildings

Energy efficiency may allow savings of 50% to nearly 100% of the energy consumed by a conventional building. In most cases, improving energy efficiency also increases business profits.

Despite growing building stock, energy efficiency could almost halve global energy demand for buildings by 2050, with the right policy support.



Explore...

- a **Strategic Approach** for achieving energy efficiency in buildings
- a **Recommendations** tool to help users design or improve their buildings
- Design Strategies and Technology **Options** available in detail
- Good Practice **Building Examples**



Policy Guide

Assist markets in becoming energy-efficient

Value chains for buildings and appliances are complex, and many different actors have to work together to achieve an optimal outcome. A well-designed package of policies and measures must assist the various actors to harness energy efficiency.

The most advanced countries achieve additional energy savings of 1.5% each year, with net economic gains and many other benefits.



Explore...

- **Recommended Policy Packages** for buildings and appliances to see which policies to combine and how they interact
- detailed descriptions of the **Package Elements**
- Good Practice **Package Examples** from different countries
- Good Practice **Policy Examples** from multiple countries



Appliances Guide

Get super-efficient appliances

The most energy-efficient appliances available today can save between 60% and 85% of energy compared to inefficient models, while providing the same or better service.

As new technologies may allow even higher energy savings, global electricity demand for appliances in 2030 could be reduced by 1,500 TWh/yr, with the right policy support.



Explore...

- **what users can save** with energy-efficient appliances
- the **potential to limit world energy use** for products highlighted by scenarios
- how **manufacturers can improve** the energy efficiency of products

Start Now



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big^{ee} - bridging the information gap on Energy Efficiency in buildings

Network

The **big^{ee}** partner network is constituted by research institutes for technical and policy advice as well as public agencies. The Wuppertal Institute's current **big^{ee}** project partners are Beijing China Society for Urban Studies and Shenzhen Institute for Building Research Eco Technology Co., Ltd. (CSUS-IBR, China), the BUREAU OF ENERGY EFFICIENCY (BEE, India), The Energy and Resources Institute (teri, India), South African National Energy Development Institute (SANEDI, South Africa), and the Collaborating Centre on Sustainable Consumption and Production (CSCP, Germany).

big^{ee} is also being developed in co-operation with other international organisations and institutions. In particular, **big^{ee}** co-operates with the United Nations Environmental Programme (UNEP), especially its Sustainable Buildings and Climate Initiative and the CSCP, as well as the International Energy Agency (IEA). **big^{ee}** welcomes co-operation with partner institutions and organisations worldwide.

Co-ordinated by



Partners to date



Supported by:



based on a decision of the German Bundestag

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