

## 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-worldwide and in partner countries.

## bigEE.net features three interactive guides



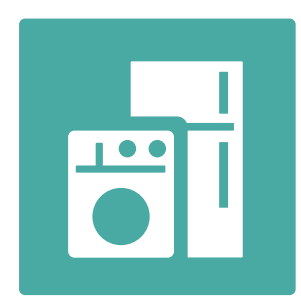
The **Buildings Guide** is based on a holistic approach of energy-efficient design and technologies and intelligent building management. It explores:

- which energy efficiency levels and energy savings you could achieve
- design strategies for achieving very energy-efficient new and existing buildings
- recommendations for different climates and building types
- which design options and technologies to combine
- good practice example buildings for many climates and building types



The **Policy Guide** acknowledges the importance of a package of policies and measures in supporting all market actors to overcome various market barriers. It explores:

- which policies to combine and how they interact
- example packages from advanced countries
- tips and information for different policy types
- good practice policies from advanced countries



The **Appliances Guide** presents knowledge for the energy saving potentials and design options of efficient appliances. It explores:

- what are the most energy-efficient appliances of today and tomorrow
- how much energy you can save per unit
- what different countries can save on their energy balance
- design options for optimising energy efficiency

The **bigEE Country Pages** offer an overview of energy efficiency in the building sector of a country as well as specific policy, building and appliances information and good practice.

Country Page for South Africa coming end of 2013

Start now

bigEE.net



## Buildings Guide

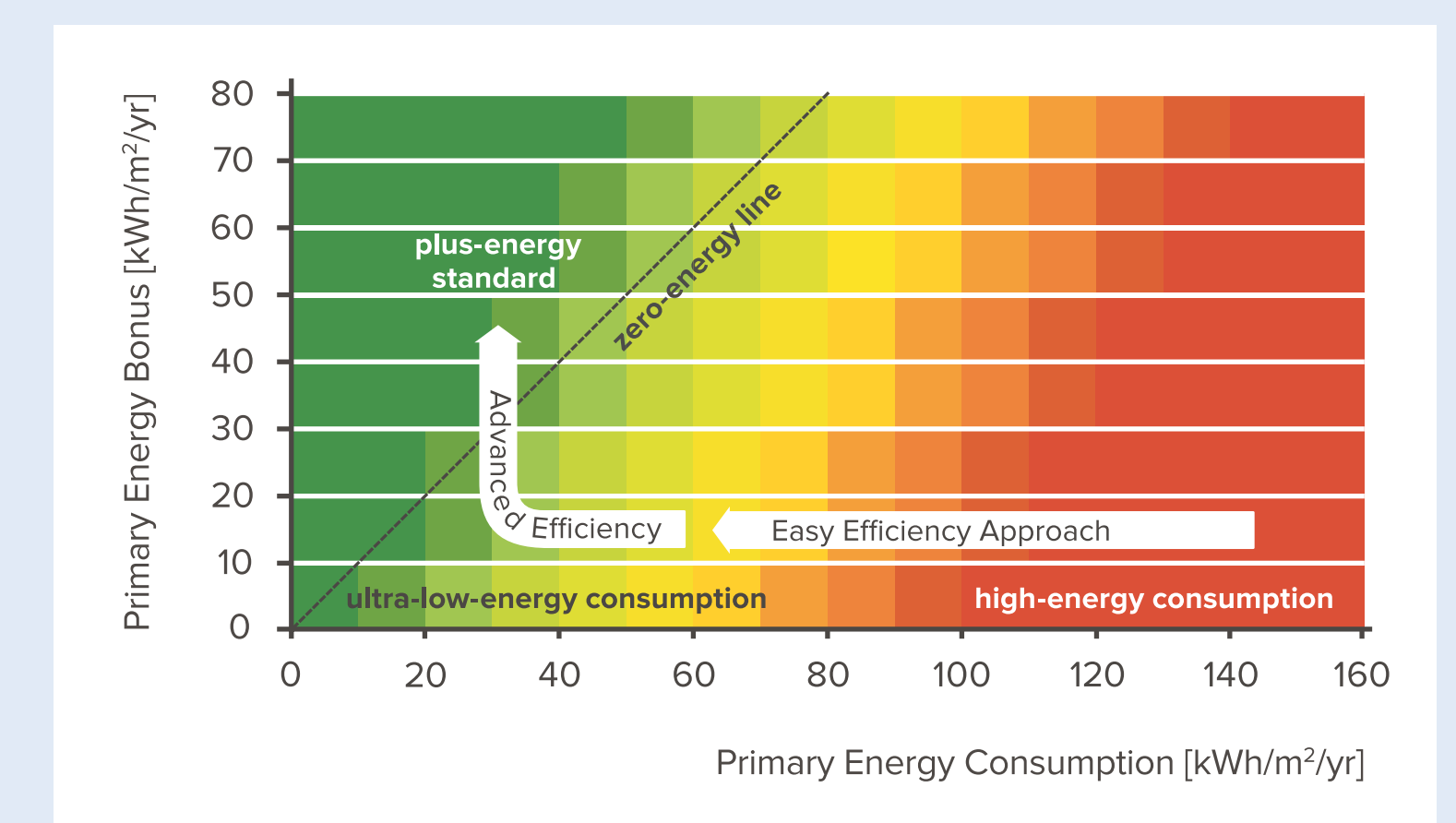
Upgrade to ultra-low-energy buildings

The Buildings Guide of the bigEE website offers strategies, tools, information as well as good practice building examples to aid you on your path to energy efficient buildings.

### Background

In the building sector the ratio between operational and embodied emissions is around 80:20. Green building standards alone however might not be enough to address energy efficiency effectively. Green building standards reinforced through energy-efficient buildings as suggested by the bigEE Strategic Approach, must be seen as a stepping-stone to reaching energy efficiency in the building sector.

### Strategic Approach



Learn about our Strategic Approach to integrated building design. This should be implemented through a holistic design process with the premise of first implementing passive options, then implementing the active options, followed by using building automation and intelligent control systems and further fine tuned by informed user behaviour to reach maximum optimization at low or no extra cost.

### Recommendations

Climate Zone:  Hot and Humid  Hot and Arid  Temperate  Cold ⓘ

State:  New  Existing ⓘ

Mode:  Closed  Hybrid  Zoned  Open ⓘ

Type:  Single family  Multi family  Highrise ⓘ

This systematic tool allows you to browse through a list of strategies and recommendations for the four major world climates and various types of building that might be of interest to you. By choosing a Climate Zone, State, Mode and Building Type one is able to find our Recommendations on achieving Low-Energy Buildings, Ultra-Low-Energy Buildings and (nearly) Zero- and Plus-Energy Buildings.

### Options Available by the end of 2013

Here comprehensive information, with details and information on potential energy saving, for passive and active options, building automation and energy management, and informed user behaviour, can be found guiding you in your choice of techniques and technologies to build energy efficient buildings.

### Good Practice Buildings

Explore worldwide examples of holistically planned good practice buildings with information on their implementation, techniques and technologies used as well as special features and energy cost savings.



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