

# Research Report on China Building Energy Conservation Industry, 2013-2017

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## Abstracts

Building energy consumption, industrial energy consumption and transportation energy consumption are the main energy consumption territories in China. Energy consumption in the process of building and using accounts for about 30% of the total social energy consumption in China, if plus the energy consumption in producing building materials and other energy consumption that related to buildings, it will accounts for more than 40% of the total social energy consumption. Therefore, building energy conservation has huge development space in China.

In recent years, consumption volumes of promising building energy-saving wall materials and rigid polyurethane foam show rapid growth rates. The annual average growth rate was 16% in 2005-2010. In 2012, their global consumption volume reached 1.4 million tons. More than 50% of polyurethane rigid foam is used in building energy conservation in developed countries. However, rigid polyurethane foam used in building energy conservation only accounts for 22% in China. Along with the further promotion of low-carbon economy development route, rigid polyurethane foam that used in building energy conservation industry will have a huge development space.

Since the global energy crisis in 1970, governments around the world all have attached great importance to building energy consumption and Low-E glass was widely applied all over the world. Nowadays, Low-E glass is widely used in public buildings and civil buildings in developed countries. The utilization ratio of Low-E glass is less than 10% in China, so Low-E glass will have huge development space.

In recent years, Chinese government increasingly focuses on building energy conservation and successively issued some relative policies and regulations. Among these, 'the 12th five year (2011-2015)' building energy-saving special plan that was

issued by Chinese Ministry of Housing on May 2012 puts forward the overall goal to annually save 116 million tons of standard coal in building energy conservation by 2015. Some local governments also issued some policies to support building energy conservation.

'BIPV' and 'Golden Sun' are the two main policies issued by Chinese government to support BIPV. It is predicted that distributed grid-connected power generation subsidy policy is about to implement, which will greatly drive BIPV application.

The market scale of China intelligent building territory kept the growth rate at more than 20% from 2005 to 2010. With great development potential, intelligent building industry is significant to China economic development and can greatly promote other industries. According to statistics, the proportion of intelligent buildings in new buildings was 70% in the U.S., 60% in Japan, but it was less than 30% in China in 2012. So it has huge development space in China. It is predicted that the market scale of building energy conservation industry in China will exceed CNY 400 billion by 2017. As to related enterprises, there will be many opportunities.

Through this report, the readers can acquire the following information:

Current development status of China Building Energy Conservation Industry

Development Status of China Intelligent Buildings

Market Focuses of China Building Energy Conservation

Forecast on Development Trend of China Building Energy Conservation

The following enterprises and people are proposed to purchase this report:

Enterprises Related with Intelligent Buildings

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New Energy Enterprises

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