


## **An overview of HELE technology deployment in the coal power plant fleets of China, EU, Japan and USA CCC 273** <sup>[1]</sup>



### Abstract

The coal-fired power fleets in China, Japan, the EU and the USA are compared. Data from existing plants, of 300 MW or larger capacity, as well as those under construction and planned are reviewed. Plants are compared in terms of deployed technology (subcritical, supercritical and ultrasupercritical) as well as their age and installed pollution control equipment. Examples of some of the most efficient plants in each region are described, including Guodian Taizhou II unit 3 in China, Maasvlakte Power Plant 3 in the Netherlands, Isogo unit 2 in Japan and the John Turk Jr coal-fired plant in Arkansas, USA. The coal fleet in Japan is the most efficient in the world, followed by China, the EU and then the USA. All the regions studied have active research programmes to increase the efficiency of coal-fired plant and to reduce emissions. This survey also investigates the attitudes of the governments towards high efficiency and clean coal power technologies as well as drivers and barriers to their use.

**Attachment****Size**

 <a href="#">An Overview of HELE technology deployment in the coal power plant fleets of China, EU, Japan and USA - ccc273.pdf</a> <sup>[2]</sup>	3.34 MB
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