

# China Nuclear Power Industry Report, 2009



In contrast to the limitations of traditional energies, nuclear energy has merits in environmental friendliness, power generating efficiency and security. Currently, many countries are active in developing nuclear energy. As of Feb.2009, there had been 453 running nuclear power plants with the total installed capacity of 370.24 GW around the world.

As of April 2009, China had had 11 running nuclear power units with the total installed capacity of 9.1 GW; 24 nuclear power units planned or under construction with the total installed capacity of 25.4 GW, of which 13 units (including Unit 1 of Zhejiang Sanmen Nuclear Power Plant) with 13.35 GW are under construction.

## Running Nuclear Power Units in China, by April 2009

Unit	Capacity (10MW)	Operation	Location	Type	Lifespan (Year)
Qinshan Phase I #1	30	Apr.1991	Zhejiang	PWR	
Qinshan Phase II #1	65	Apr.2002	Zhejiang	PWR	40
Qinshan Phase II #2	65	Mar.2004	Zhejiang	PWR	40
Qinshan Phase III #1	70	Dec.2002	Zhejiang	DUR	40
Qinshan Phase III #2	70	Nov.2003	Zhejiang	DUR	40
Daya Bay #1	98.4	Feb.1994	Guangdong	PWR	
Daya Bay #2	98.4	May,1994	Guangdong	PWR	
Lingao #1	99	May,2002	Guangdong	PWR	
Lingao #2	99	Jan.2003	Guangdong	PWR	
Tianwan #1	106	May,2007	Jiangsu	PWR	40
Tianwan #2	106	Aug.2007	Jiangsu	PWR	40

Source: [www.heneng.net.cn](http://www.heneng.net.cn); ResearchInChina

Nuclear power accounts for a small proportion in the domestic power structure. As of 2008, China's nuclear power generating capacity had reached 68.4 Twh, only 1.99% of the total global generating capacity. In the future, China will increase the investment in nuclear power. It is expected a new energy program issued in 2009 will adjust the installed capacity of nuclear power, making its proportion in power installed capacity increase from 4% to 8%. This will undoubtedly bring investment opportunities to nuclear power equipment industry.

The data in the Report is sourced from the National Energy Bureau, China Electricity Council and [www.heneng.net.cn](http://www.heneng.net.cn). The Report makes an in-depth analysis of the operation and development trends of key nuclear power enterprises in China, points out the development strategies and planning of China nuclear power industry, predicts the future development direction of nuclear power industry, and discusses investment opportunities and risks in the industry.

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