



# Special Report: China's Nuclear Reactor and Fuel Cycle Markets



## In-Depth Coverage of the World's Fastest Growing Nuclear Country

### Focused Research and Analysis

No country in the world today is more consequential for the nuclear markets than China. UxC continuously monitors and updates its research and analysis of China's nuclear program in all areas, including the front-end nuclear markets and the domestic and reactor export programs. In order to enhance its deep understanding of this critical country, UxC also works with leading experts on China's nuclear program, including Dr. Hui Zhang of Harvard University's Belfer Center for Science and International Affairs. Through these efforts, UxC has prepared a new 2016 special report to present the latest information and analysis of all critical aspects of China's nuclear industry.

### Report Overview

This new special report provides in-depth coverage and forecasts for China's nuclear power and reactor exports as well as the individual fuel cycle component markets of uranium, conversion, and enrichment. Additional insights and discussions on the current role and potential future direction of China's nuclear program are also included. Relevant reference materials are also included with this report.



China's Hualong-One (HPR-1000) reactor design

Source: CNNC

This special report is comprised of the following chapters:

- China's Nuclear Power Policy and Regulations
- China's Domestic Nuclear Power Program
- China's Reactor Export Ambitions
- China's Uranium Industry
- China's Conversion Industry
- China's Enrichment Industry
- China's Back-End Fuel Cycle
- Summary and Conclusions
- Appendices with supporting reference materials

### Why Buy This Report?

Over the past five years since Fukushima, there have been many changes and new developments that have affected China's approach to nuclear power. This report provides factual data and holistic analysis on all key aspects of the country's nuclear program, including the current drivers and potential future direction of China's nuclear industry. Some of the main questions addressed by this report include:

- What reactor technologies will China look to build in the future?



China's Lanzhou Enrichment Plant

Source: CCTV

- How many reactors will China have operating in 2020, 2030, and 2040?
- Where will Chinese companies build reactors outside of the country?
- How much of its uranium needs will China be able to satisfy through domestic and foreign mine projects?
- What are China's intentions in terms of enrichment capacity expansions and SWU exports?

### Purchasing Information



This special report on China was published in December 2016. Discounts are available for customers of UxC's *Market Outlook* reports. To place an order or for more information, please contact Jonathan Hinze at [jonathan.hinze@uxc.com](mailto:jonathan.hinze@uxc.com) or +1-603-425-1185.

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