

## **NUCLEAR POWER PLANT NEW BUILD IN CHINA**

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### **Abstract**

As Nuclear Power is a solution of clean, high efficient and reliable energy, it has been accepted by more and more countries and people all over the world. Many countries carried out their Nuclear power development plan and started to construct the new plants in recent years. When we talk about the NPPs New Build, the number of those plants in China is the biggest globally and the time schedules of most plants are going well. This presentation will focus on the introduction of the NPPs under construction, the status of those projects, as well as the performance of the NPPs in operation in China.

Besides, as the main investor, owner and operator of NPPs in China, CNNC has accumulated rich experience in nuclear power design, R&D and constructing in PWR such as ACP100, ACP600, HPR1000 as well as CANDU 6. So, the HPR1000 developed by CNNC with intellectual property will be presented and also the marketing development of it will also be shared in this part. As for the Small Modular Reactor, China also made progress in recent years. The status of SMR such as R&D, licensing, marketing, including the international cooperation on it will also be introduced.