

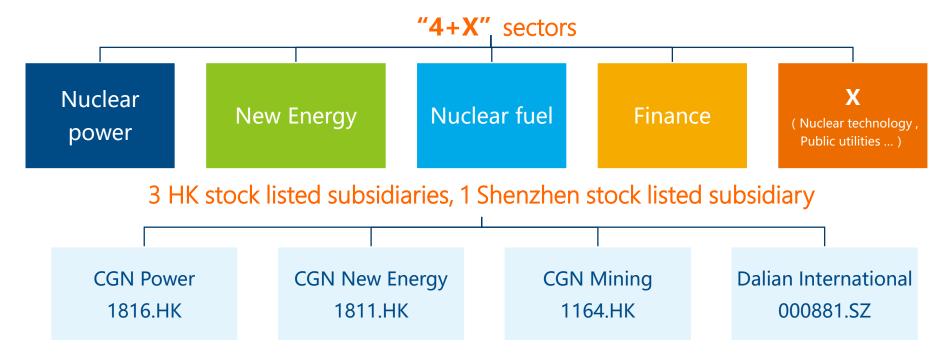
CGN's Proposal for Sino-Czech Cooperation on Nuclear New Build Projects

November 8th, 2017



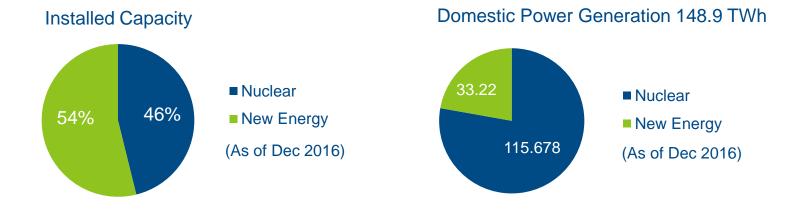
About CGN

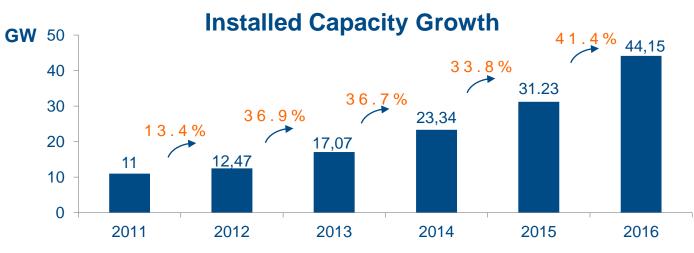
- As of June 2017, the total assets reached up to **\$90 billions**
- Business lines includes four plus X sectors
- Full range of premier nuclear capabilities and extensive experience in all aspects of nuclear power plants





About CGN

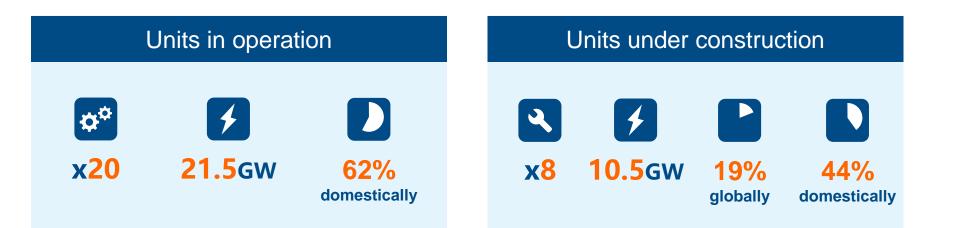




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Status quo of CGN Nuclear Power Business



HPR1000 Units Approved by the Chinese Government for Implementation in the future 20 to 25 years



(As of April 2017)



Strong Investment and Financing Capabilities



With "The Belt and Road" initiative, international cooperation for civilian nuclear power development fully supported by Chinese government The gross asset of CGN is \$90 billion with incredible annual growth. Net profit yearly growth is up to 16.5%.

Large asset scale and profitability

Self-capabilities of CGN

Strategic partners

The strategic partnerships with Chinese banks and financial institutes



Advanced Technology with Large Scale of Implementation—HPR1000

- Based on over 30 years of experience of continuous design, construction and operation of nuclear power plants in China
- Integrated innovation by adopting proven technologies
- Fukushima nuclear accident feedback adopted in the design
- CDF 6.9x10⁻⁷; LRF 7.3x10⁻⁸
- 6 units are being built in China and overseas, and many more are prepared in China





Advanced Technology with Large Scale of Implementation—HPR1000

Single Unit-Layout

Optimized Single Unit-Layout Better for physical separation Easy for construction, Operation and Maintenance

Double Containments

Double Containments with large volume Ventilation System in double containments Resistance to impact of large airplane crash

Active + Passive Systems

Secondary Passive Residual Heat Removal System Passive Reactor Cavity Injection System to prevent the melting accidents

Advanced I & C

Digital I & C Diverse Auction System Advance MCR with Emergency inhibition system

Three Safety System Trains

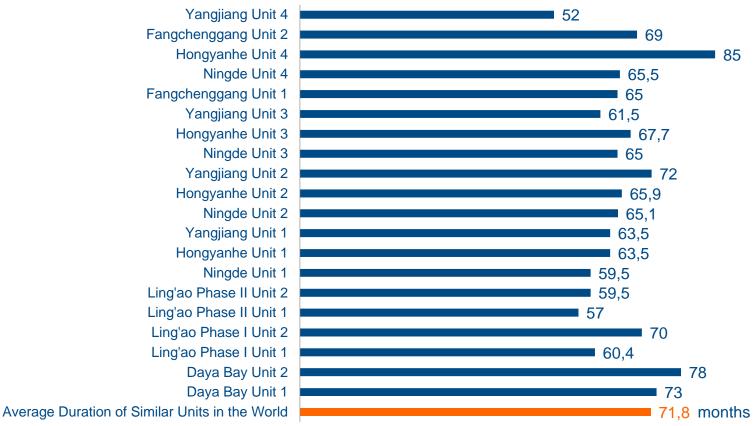
3x100% redundant systems for safety safeguards, fully independent and physically separated Effective resistance to accidents and internal and external hazards





Continuous Nuclear Power Project Construction Experience over 30 Years

Superb performance on project controls for nuclear new build projects. The average construction duration of nuclear new build projects by CGN is 66.2 months (from FCD to COD).



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CGN's Proposal for Sino-Czech Cooperation on Nuclear New Build Projects

Based on the capabilities and experience of both sides, CGN and Czech companies will take charge of EPC of Nuclear and Convectional islands, respectively. When awarded NI of the two Czech nuclear new build projects to CGN, CGN will equivalently award CI to Czech companies on two CGN nuclear new build projects in China simultaneously. Furthermore, CGN-led Chinese enterprises and Czech enterprises can participate in each other's nuclear new build projects as well as jointly in the third country nuclear power new build projects.

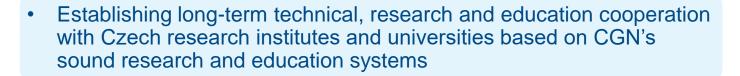


Being Czech Strategic Partner

• Combining the premier capability and extensive experience of both sides in nuclear new build projects ensuring CGN complying with Czech legal and license requirements for siting and construction



• Making full use of the human resources of both sides



- CGN's abundant localization experience can be effectively applied to the manufacturing and construction of nuclear new build projects in Czech Republic
- CGN with the high investment capability and rich financing experience is willing to provide the most competitive packages to our Czech partners
- Setting a benchmark of cooperation in the world nuclear power industry





THANK YOU

