

CGN POWER (1816.HK) 2015 Annual Results

March 15 2016



This presentation contains forecast statements, which may involve risks and unforeseeable factors. These statements generally apply words of predicative implications, such as think, expect, estimate, plan, predict, aim at, might, would and other similar words, which are utilized to express expectations, actions to adopt in the future, or possible results brought about by these actions. You should not excessively rely on these predicative statements in the presentation, since they are based on the Company's own materials and other materials the Company consider reliable. The Company's actual performance might be different from these predicted figures, which might be a cause of the fluctuations of the Company's H-share price.

Disclaimer



Part I	Development Strategy
Part II	Business Performance
Part III	Financial Performance
Part IV	Q&A

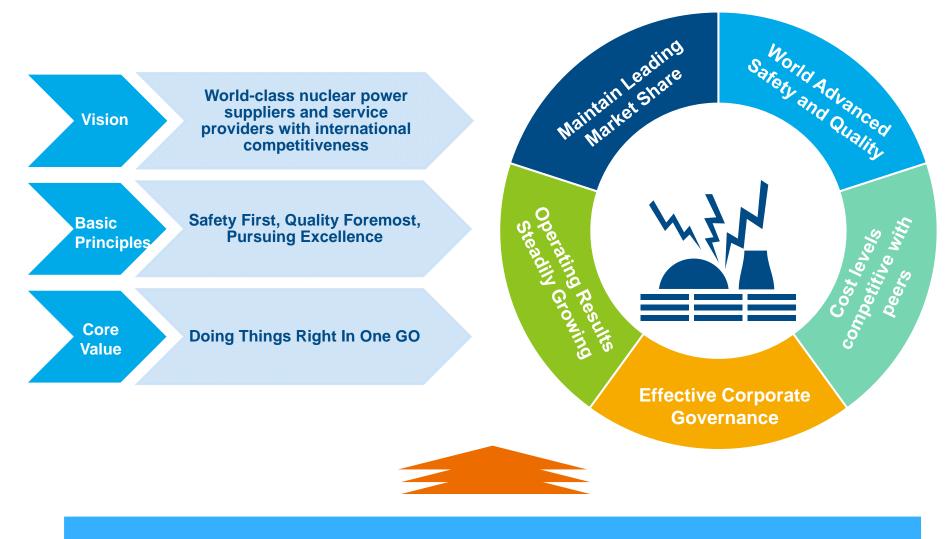


Part I Development Strategy

中下核GPCGN Natural Energy Powering Nature Clean Energy Makes Our Future Brighter

中广核 G CGN Keep "Bi-stable" Development, and strive to world-class

善用自然的能量



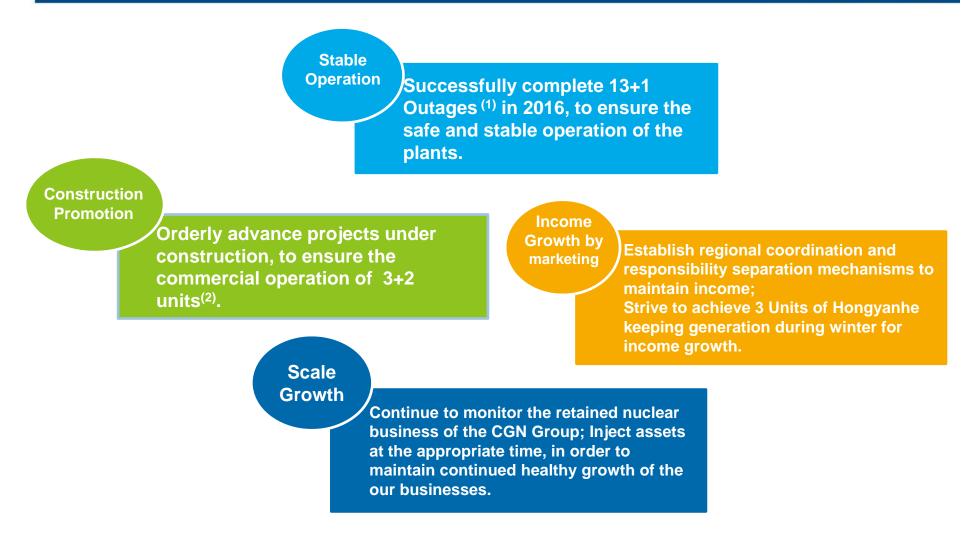
"Bi-stable" = Stable Operation+ Stable Growth



2015 was our first full year after listing on HKEx, through sound operation we achieved stable growth in business					
Market Share	 With 3 Units Began Commercial Operations and 3 Units FCD, we are keeping Leading Position 				
Safety and Quality	 With safe and stable outrages, and orderly construction, we made steady progress with safety and quality 				
Operating Results	 On-grid power generation growing year after year; revenue and profit steadily increasing; and environmental benefits rising evidently 				
Cost Level	 Laying solid foundation to strengthen cost control; cost level was generally stable in 2015; our debt structure maintains robust 				
Corporate Governance	 Innovative connected transaction management, with directors stationed in connected company; Established Nuclear Safety Council and expanded the functions of the Audit Committee 				

中广核()CGN Key Tasks in 2016

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Note 1: The outages include the first outage of Fangchenggang Unit 1 under custodian for CGN group. Note 2: Units under construction that are planned to start commercial operation in 2016 include Yangjiang Unit 3, Hongyanhe Unit 4, Ningde Unit 4, Fangchenggang Unit 1 and 2 (under custodian for CGN group). Yangjiang Unit 3 and Fangchenggang Unit 1 began commercial operation on January 1, 2016.



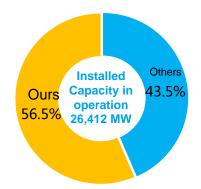
Part II Business Performance

中**F核の**CGN Natural Energy Powering Nature Clean Energy Makes Our Future Brighter With 3 Units Began Commercial Operations and 3 Units FCD,

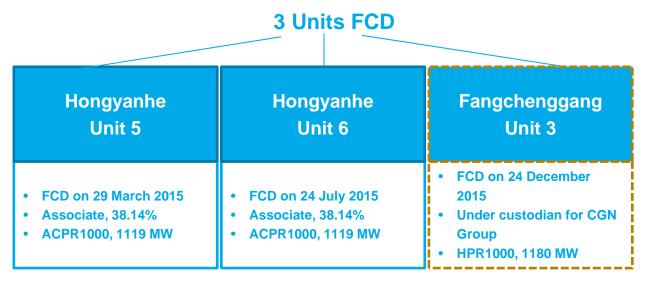
中广核()CGN We are keeping Leading Position

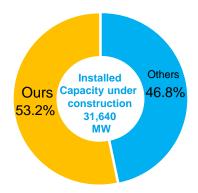
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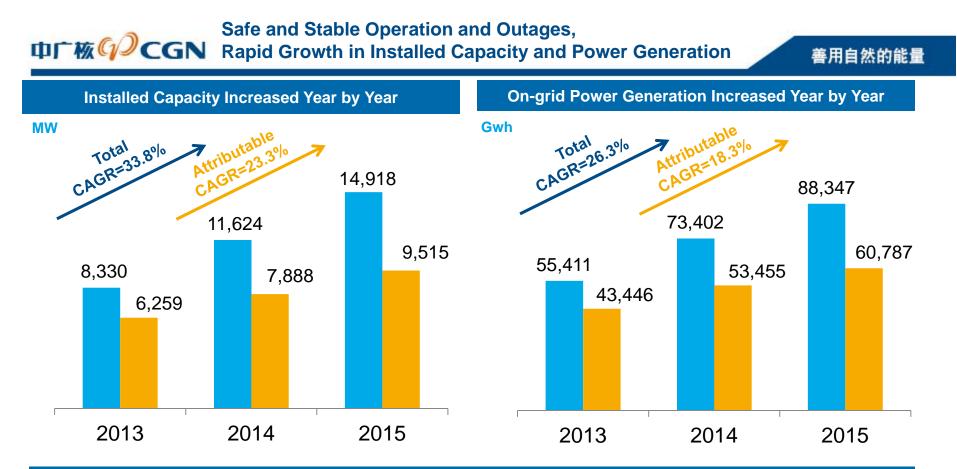
As at 31 December 2015, 28 units in operation across China (only refers to the mainland China, the same below). Among these, we run 14 of them, with total installed capacity of 14,918 MW, accounting for approximately 56.5% of the market share.





As at 31 December 2015, 28 units under construction. Among these, we managed total "10 + 4" (4 refers to Fangchenggang Units 1/2/3/4) units under construction, with total capacity of 16,822 MW and a market share of approximately 53.2%.

Note 1: 4 new units (including those under custodian) were approved in 2015, 3 of which FCD in 2015.



Outages Completed as planned



Note 1: 4 first and 10-year outages in 2014 contains two 10-year outages and two first outages. Note 2: 4 first and 10-year outages in 2015 contains one 10-year outages and three first outages.

World Associa			rators	indicato	12 WANC s for even mong Top	ry unit			
Name	ne Capacity Factor%		Load Factor%		Utilization Hours		Outage		
	2014	2015	2014	2015	2014	2015	2014	2015	
Daya Bay Unit 1	99.66	78.83	100.02 🦊	79.65	8,764	6,979		10-year Outage	
Daya Bay Unit 2 ⁽²⁾	75.58	98.65	75.62 💧	99.30	6,625 1	8,700	10-year Outage (2014-2015)		
Ling'ao Unit 1	90.44 🖣	86.80	88.59 🦊	86.37	7,758	7,564	Annual Outage	Annual Outage	
Ling'ao Unit 2	94.55	93.64	93.46 📫	91.01	8,184	7,970	10-year Outage (2013-2014)	Annual Outage	
Lingdong Unit 1	89.42	90.10	87.88 📫	88.90	7,692	7,781	Annual Outage	Annual Outage	
Lingdong Unit 2	90.31	90.29	88.35 🛡	88.69	7,733	7,762	Annual Outage	Annual Outage	
Average	89.99	89.72	88.99	88.99	7,793	7,793			

Note 1 : Mature units in operation include Daya Bay Unit 1, Daya Bay Unit 2, Ling'ao Unit 1, Ling'ao Unit 2, Lingdong Unit 1, Lingdong Unit 2. The amount of on-grid power of mature units in operation is 45,378 Gwh in 2015, which accounts for 51.4% of the total on-grid power of the company.

Note 2 : According to outage plan, outage days of Ling'ao unit 1 in 2015 is 14 days more than that in 2014.

r核∯CG	N New U	nits in O	peration ⁽¹⁾	Safety	Level Cont	tinues to	o Improve	善用自然的能量
World Association of Nuclear Operators								71.9% (2015) tors ranked among artile globally
Name	Capacity	Capacity Factor% Load Factor% Utilization			Utilization	Hours	lours Outage	
	2014	2015	2014	2015	2014	2015	2014	2015
Yangjiang Unit 1	99.93 🏮	79.45	98.78 🌷	78.86	8,653 🏮	6,908		First outage
Yangjiang Unit 2	Under construction	99.64	Under construction	99.94	Under construction	8,755		
Ningde Unit 1	57.31 💧	87.16	56.70 懀	85.93	4,967 🏠	7,527	First outage	Annual Outage
Ningde Unit 2	99.83 🎈	78.95	98.66 🖊	73.72	8,638 🌷	6,458		First outage
Ningde Unit 3	Under construction	93.24	Under construction	81.67	Under construction	7,185		
Hongyanhe Unit 1	71.48 💧	87.75	67.17 💧	82.57	5,881 💧	7,233	First outage	Annual Outage
Hongyanhe Unit 2	82.68 🏮	65.53	76.29 🖊	39.26	6,558 🌷	3,439		First outage
Hongyanhe Unit 3	Under construction	100.00	Under construction	50.31	Under construction	4,407		
Average	82.25	86.47	79.52	74.03	6,939	6,489		

Note1 : units with 3 or less fuel cycles are identified as new units. The amount of on-grid power of new units in operation is 42,969 Gwh in 2015, which accounts for 48.6% of the total on-grid power of the company.

中广核 **()** CGN Units under Construction: Safety and Quality under Control

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Unit	Technology	Civil Construction	Equipment Installation	Commissioning Phase	Grid- Connection	Expected Date of Commencement of Operation		
Affiliate company								
Yangjiang Unit 3	CPR1000					2016H1		
Yangjiang Unit 4	CPR1000		A.L			2017H2		
Yangjiang Unit 5	ACPR1000					2018H2		
Yangjiang Unit 6	ACPR1000	A.L				2019H2		
Taishan Unit 1	EPR			(2)		2017H1		
Taishan Unit 2	EPR					2017H2		
Joint venture								
Ningde Unit 4	CPR1000			<u>A.t.</u>		2016H2		
Associate company								
Hongyanhe Unit 4	CPR1000			A LL		2016H1		
Hongyanhe Unit 5	ACPR1000					2020H2		
Hongyanhe Unit 6	ACPR1000					2021		
Under a management contract for our controlling shareholder								
Fangchenggang Unit 1	CPR1000				(3)	2016H1		
Fangchenggang Unit 2	CPR1000			A.L		2016H2		
Fangchenggang Unit 3 Fangchenggang Unit 4	⁽⁴⁾ HPR1000 HPR1000	<u>Li</u> L						

Note 1 : Yangjinag Unit 3 began commercial operation on January 1, 2016.

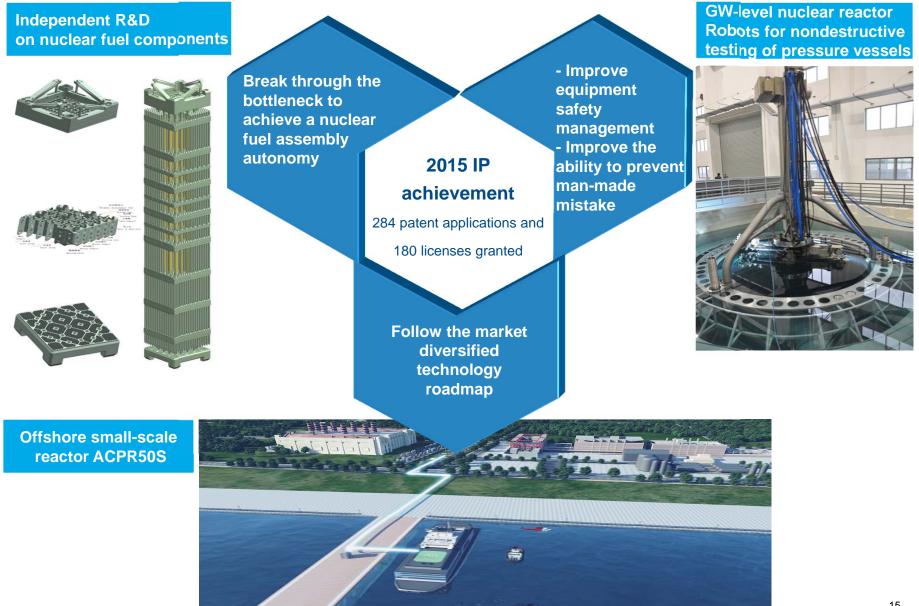
Note 2 : Taishan Unit 1 began cold function test on December 30, 2015 ; on January 27, 2016 it completed the test and became the world's first third generation EPR nuclear power unit to complete cold test .

Note 3 : Fangchenggang Unit 1 began commercial operation on January 1, 2016.

Note 4: Fangchenggang Unit 4 was approved by government in 2015, which, as of Dec. 31, 2015, was waiting for FCD.

Effective Transformation of Research 中广核 () CGN Helps to Enhance Our Safety Level and Economy

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中广核GPCGN Experienced Management and Adequate Technical Reserves

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Management

- Our directors each have extensive experience in the power industry, financial and accounting, legal, audit and other aspects, to understand their responsibilities, powers and duties, and can perform their duties with faith, integrity and diligence.
- Our executives have extensive industry experience, solid expertise and international perspective, leading the company to achieve sustained robust growth performance, continuing to create value for shareholders.





Honor of the Company

- China Securities Bauhinia "Best Listed Company of the Year" and "Best Secretary of the Board" of Ta Kung Pao 2015
- "China Finance" magazine "2015 Best Listed Company"

Reaction Operator Cultivation

operators are capable to operate about 40 nuclear power units at the same time.

Magager

Deputy Manager

Operator

Operator

(3 years)

New Employee
(3 years)

> As of December 31, 2015, we (including our affiliates) have 405 licensed operators, 444 senior operators. Our current

Time (At least 7.5 years from new employee to senior manager)

中广核GPCGN Integrity and Transparency, Good environmental performance

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Voluntary Information Disclosure All operating events occurred of units in operation are disclosed within 2 working days.



Daya Bay Information Disclosure Platform



Hongyanhe Information Disclosure Platform



Ningde Information
Disclosure Platform



Yangjiang Information Disclosure Platform

2015	Daya Bay ⁽¹⁾ Base	Yangjiang	Ningde	Hongyanhe	
Radioactive liquid waste according to national standards expressed as a ratio of (Non-gaseous radionuclides) emissions	0.21%	0.5%	0.24%	0.47%	
Radioactive waste gases expressed as a ratio of national standards (Inert gas) emissions	0.133%	0.18%	0.15%	0.144%	
Solid radioactive waste (cubic meters)	317.6	24.4	149.6	183.1	
Environment monitoring results	Normal	Normal	Normal	Normal	

Sound environment monitoring system

- In accordance with national regulations, our nuclear power bases have unified environment monitoring, forming a complete environment monitoring system.
- Each nuclear power plant obtains normal ambient monitoring results.

Radioactive waste management optimization

- Our Radioactive waste gases and liquid waste emissions are far less than the national emission standards.
- Our radioactive solid waste are generated in the amount lower than the design criteria.

Note 1 : Daya Bay Base includes Daya Bay Station, Ling'ao Station and Lingdong Station.

中广核 **()** CGN Undertake the Mission to Promote Environmental Benefits

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On-grid nuclear power in 2015: 88,347 Gwh



Reduction of standard coal consumption of around 28.30 million tons



Reduction of carbon dioxide Emission of around 69.70million tons



Reduction of sulfur dioxide emission of around 0.67million tons



Reduction of nitrogen oxide s emission of around 0.44 million tons

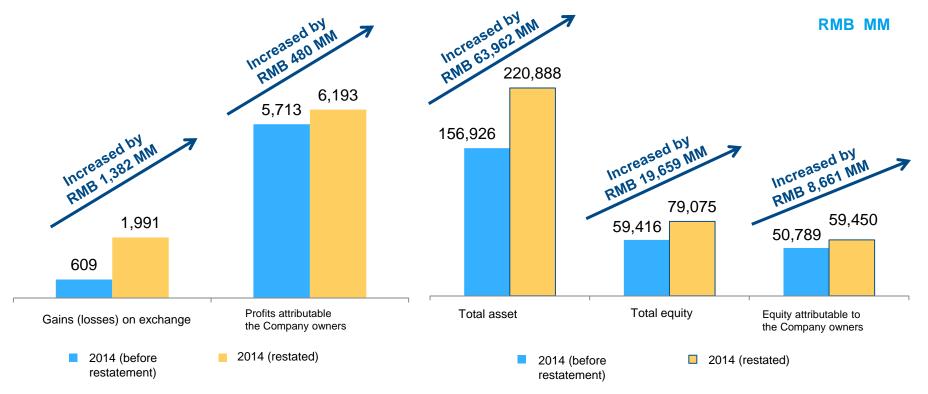
Reduction effect of emissions= 190,000 hectares of forest covering almost the same size of Shen Zhen throughout

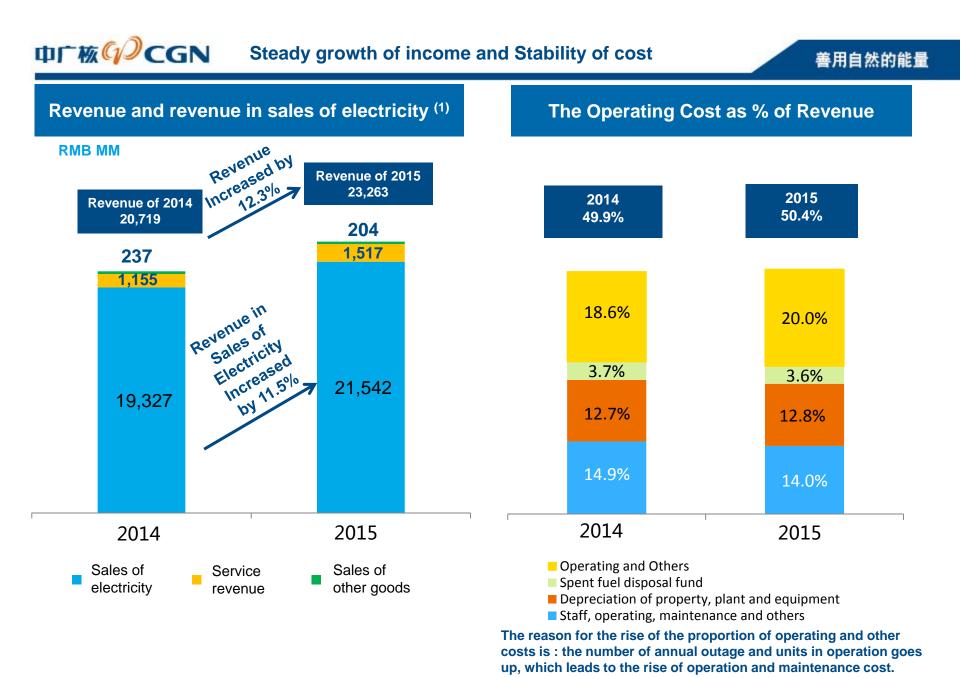




Part III Financial Performance

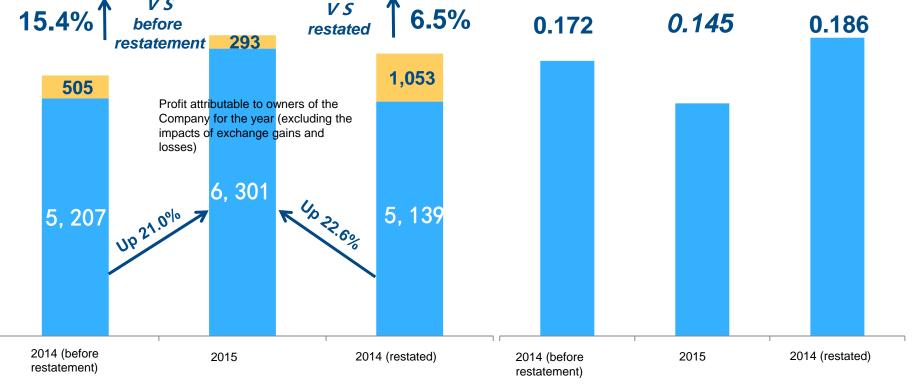
中**「核の**CGN Natural Energy Powering Nature Clean Energy Makes Our Future Brighter The Company completed the acquisition of 60% of the equity interests in Taishan Investment and 12.5% of the equity interests in Taishan Nuclear held by CGNPC, the ultimate controlling company of the Company in 2015. The financial data of 2014 in the consolidated financial statements of the Group have been restated as if the combination had occurred prior to the start of the earliest period presented. Except for where specially noted, the 2014 financials all refer to the restated data.





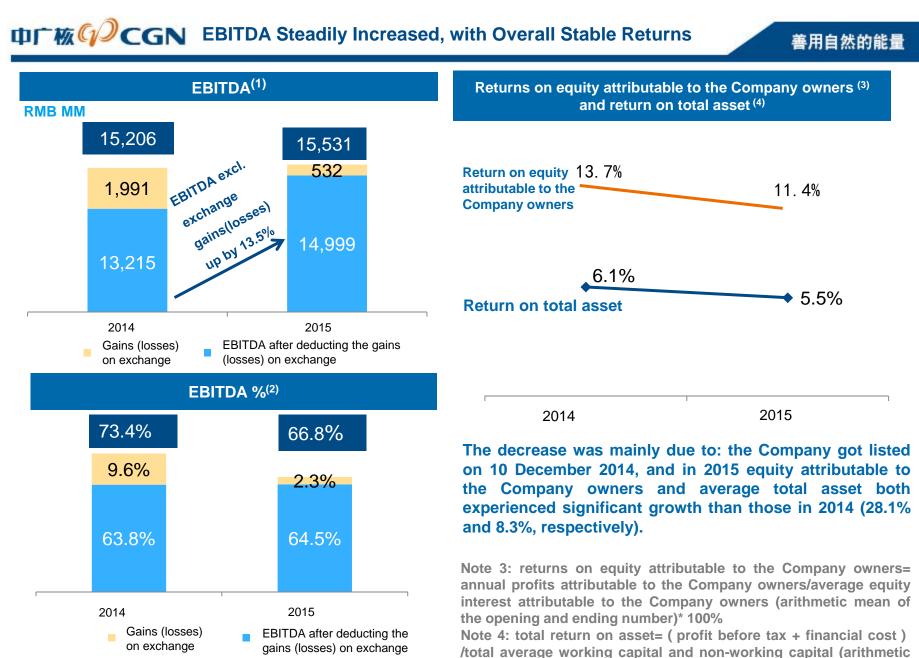
Note 1 : Hongyanhe Company and Ningde Company are not included in the consolidated financial statements, therefore the income from Hongyanhe Unit 1 and Unit 2 generator units, Ningde Unit 1 and Unit 2 generator units are not included into the Company's revenue.

中广核GOCGN Steady Growth of attributable profit and stable EPS 善用自然的能量 Profits attributable to the Company owners Earnings per share attributable to the Company owners **RMB MM RMB** 6,594 6,192 5,712 VS VS 6.5% 15.4% 0.145 before 0.172 0.186 restated



Gains (losses) on exchange attributable to the Company owners

 After deducting the gains (losses) on exchange Decrease of earnings per share attributable to the Company owners was mainly due to: the Company got listed on 10 December 2014, in which the weighted average common stock was 33,306 million shares but increased to 45,449 million shares in 2015, thus an increase of 36.5%.



mean of the opening and ending number) * 100%

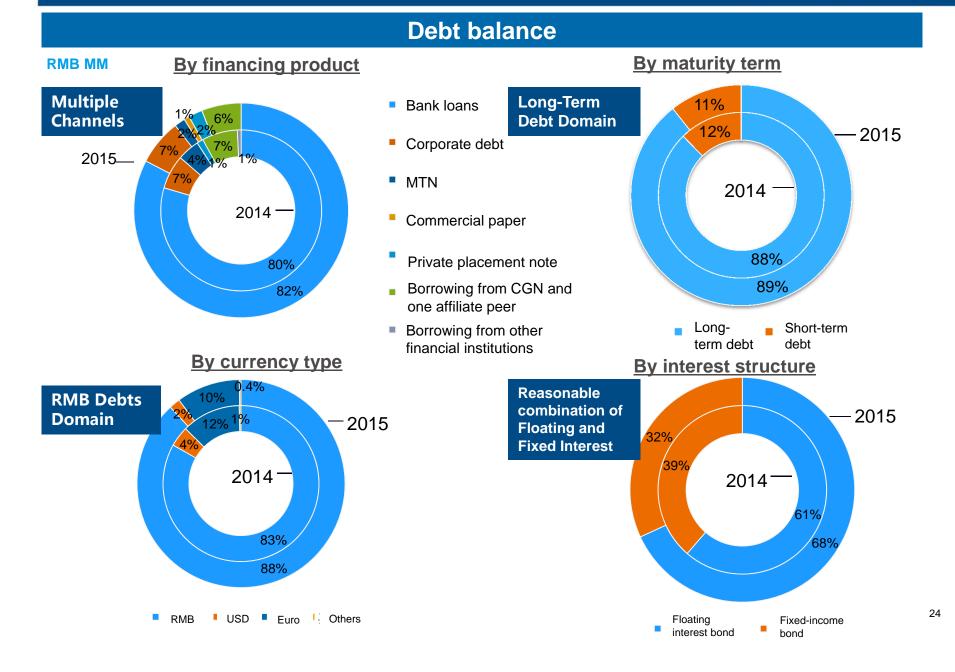
Note 1: EBITDA = Profit before tax + financial cost + Depreciation and amortization

Note 2: EBITDA profitability= EBITDA/income * 100%

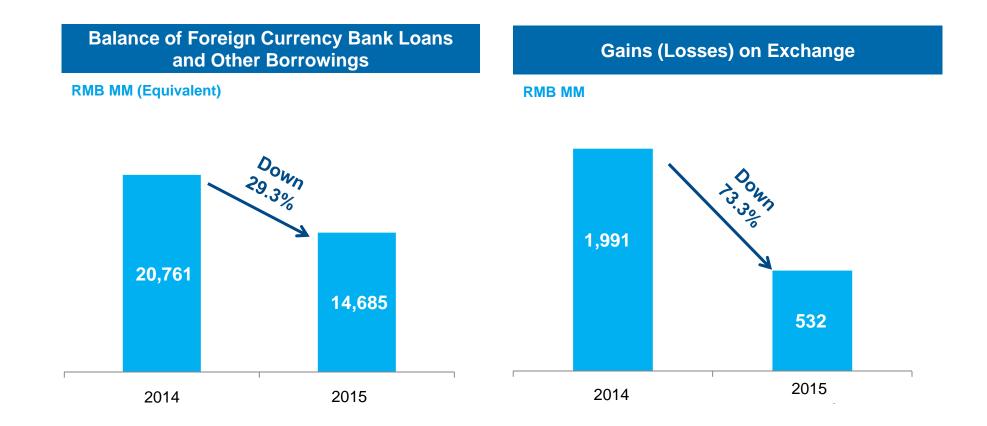
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中广核())CGN Robust Debt Structure to Ensure Capital Security

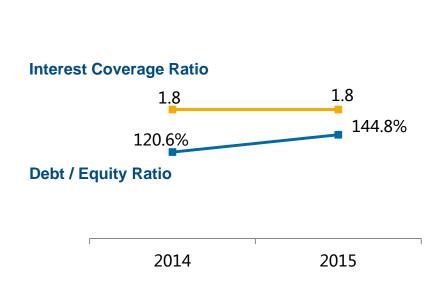
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中广核()/CGN Effective management of foreign currency debt, exchange rate fluctuations significantly reduced



In 2015, the company continued to conduct proactive risk management of foreign currency debt through forward transactions, debt replacement and early repayment etc., and controlled new foreign currency debts by changing the financing methods for contracts with foreign parties. The foreign exchange risk was reduced.

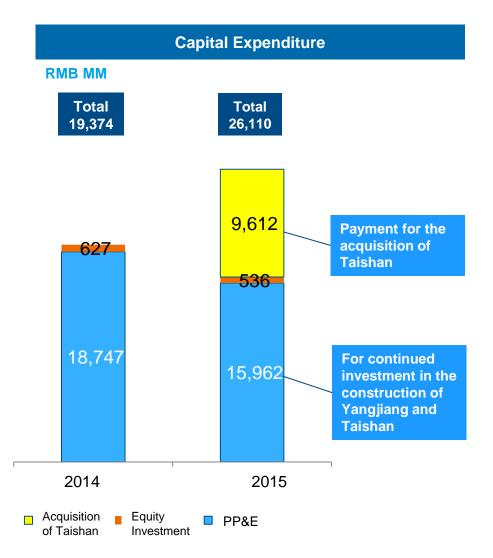


Debt / Equity Ratio ⁽¹⁾& Interest Coverage Ratio ⁽²⁾

The main reason for increased debt / equity ratio is due to the impact of the use of funds raised. As of December 31, 2015, the company has used RMB19,763.3 (91.5% of net proceeds) mm of funds raised based on the use of proceeds stated in the prospectus, resulting a large decrease of cash and cash equivalents in 2015.

Note 1: Debt / equity ratio = Net debt (i.e., bank loans and other borrowings minus cash and cash equivalents and other bank deposits with maturity of more than 3 months) / total equity*100%

Note 2: Interest coverage ratio = (EBT + finance expense) / (finance expense + capitalized interest).





Part IV Q&A

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中國廣核電力股份有限公司 CGN Power Co., Ltd.

