

An Overview of CGN & Collaboration on the Romania Project

May 6, 2015

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— development and technical innovation in nuclear power and renewables

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— to achieve the highest level and best performance in safety, economy and environmental protection

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— to enter into win-win cooperation with Romanian Partners

01

Our Business

— development and technical innovation
in nuclear power and renewables

Established in September, 1994 with a registered capital of RMB 10.2 billion, China General Nuclear Power Group (CGN), formerly known as China Guangdong Nuclear Power Corporation, is a large State-owned Enterprise growing up in tandem with China's Reform and Opening-up drive, and the country's overall nuclear power program.



China General Nuclear Power Corporation

Nuclear Power

CGN Power Co., Ltd.
Guangdong Nuclear Power Investment Co., Ltd.
Guangdong Nuclear Power Joint Venture Co., Ltd.
Ling Ao Nuclear Power Co., Ltd.
Lingdong Nuclear Power Co., Ltd.
Yangjiang Nuclear Power Co., Ltd.
Liaoning Hongyanhe Nuclear Power Co., Ltd.
Fujian Ningde Nuclear Power Co., Ltd.
Taishan Nuclear Power Joint Venture Co., Ltd.
Guangxi Fangchenggang Nuclear Power Co., Ltd.
Xianning Nuclear Power Co., Ltd.
CGN Lufeng Nuclear Power Co., Ltd.
Hubei Nuclear Power Co., Ltd.

Huizhou Nuclear Power Co., Ltd.
Anhui Wuhu Nuclear Power Co., Ltd.
Jiangyin Nuclear Power Co., Ltd.
Shaoguan Nuclear Power Co., Ltd.
Xishui Nuclear Power Co., Ltd.
China Nuclear Power Operations Co., Ltd.
Daya Bay Nuclear Power Operations and Management Co., Ltd.
China Nuclear Power Engineering Co., Ltd.
China Nuclear Power Design Co., Ltd. (Shenzhen)
China Nuclear Power Technology Research Institute
Suzhou Nuclear Power Research Institute
China Techenergy Co., Ltd.
Guangdong Daya Bay Nuclear Environmental Protection Co., Ltd.

Subsidiaries and Affiliates

Branches

Xinjiang Branch
Hubei Branch
Zhejiang Branch
Qinghai Branch
Yunnan Branch

Divisions

Office of Board of Directors
Financial Division
General Office
Party Affairs Division
Strategic Planning Division
Safety and Quality Assurance Division
Capital Operation Division
Human Resources Division
Discipline Monitoring and Audit Division
Legal Affairs Division
Investment and Development Division
International Nuclear Power Business Development Division
CGN University
Culture and Publicity Center

Non-nuclear Clean Energy

CGN Wind Energy Limited
Meiya Power Co., Ltd.
CGN Solar Energy Development Co., Ltd.
CGN Energy Service Co., Ltd.

CGN Finance Co., Ltd. CGN Insurance Broking Co., Ltd.

CGNPC International Financial Leasing Co., Ltd.
CGN Industrial Investment Fund Management Co., Ltd.
China General Nuclear Power Services Corporation
CGN (Beijing) Nuclear Technology Application Co., Ltd.

Nuclear Fuel

CGN Uranium Resources Co., Ltd.

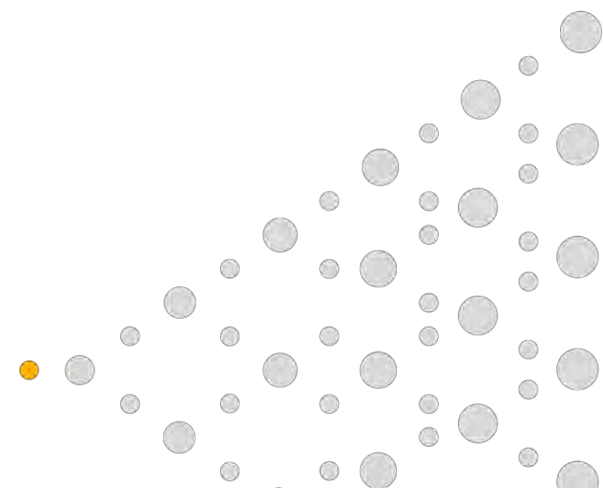
CGN Profile	
Total assets	RMB 390.3 billion
Revenue	RMB 45.1 billion
Profit	RMB 9.6 billion

* As of the end of 2014

* CGN Power IPO on December 10, 2014

Power supply			
	UNITS	Installed Capacity	Ratio in China
In operation	14	14.91 GWe	63%
Under construction	11	13.33 GWe	51%

Non nuclear businesses	
Wind	6.95 GWe
Solar	5.7 GWe
Hydro	1.47 GWe
Gas	2.50 GWe



1.1 Nuclear Power Overview

- 14 units in operation, with a total installed capacity of 11.62 GWe
- 12 units under construction, with a total installed capacity of 15.50 GWe



In operation

Daya Bay 1&2,
Ling Ao Phase I(1&2), Phase II(1&2)
Ningde (1-3)
Hongyanhe (1-3)
Yangjiang 1&2

Under construction

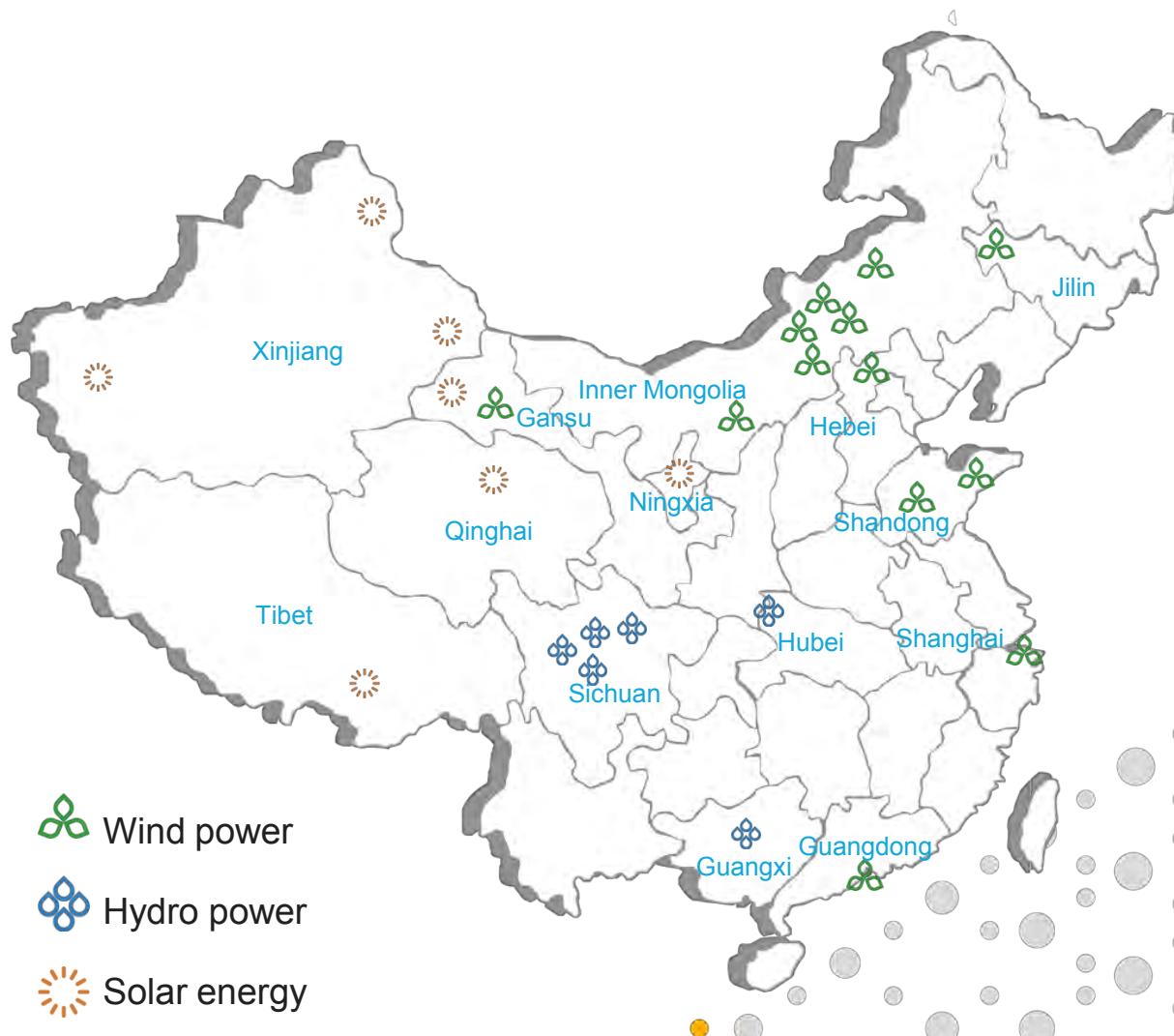
Ningde 4
Hongyanhe (4,5&6)
Taishan Phase I(1&2)
Yangjiang (3,4,5&6)
Fangchenggang Phase I(1&2)

Under review

Lufeng project
Xianning project
Cangnan project
Huizhou project
Fangchenggang Phase II(Hualong)

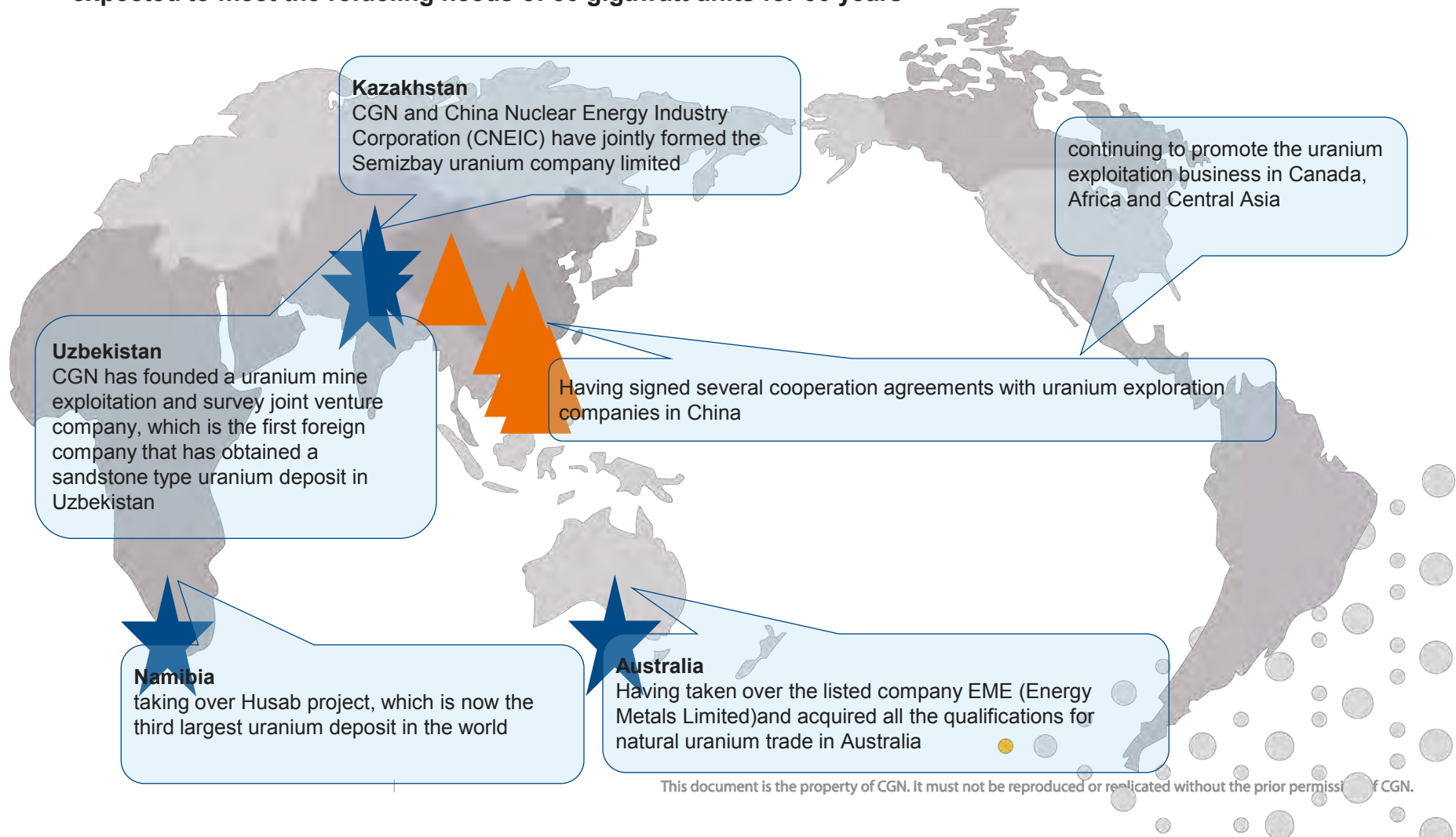
1.2 Renewable Energy

- **Wind power** an installed capacity of 435 MWe for wind power generators in operation; by 2020, its overall performance in wind power will be at the forefront in China
- **Hydro power** having a holding capacity of 1.47 million kW in operation; acquired the development right to a number of projects in Sichuan, Guangdong, Guangxi, Hubei etc
- **Solar energy** photovoltaic power stations with a total capacity of 600,000 kW have been put into operation; by 2020, CGN will develop into a leading solar power enterprise in China
- **Energy conservation and nuclear technology application** considerable progress has been made in these fields, becoming new economic growth points for CGN



1.3 Uranium Resources

- having obtained state-granted franchise for nuclear fuel import and export
- having control over 307,700 tons of uranium resources and secured 79,000 tons of trading volume, which is expected to meet the refueling needs of 30 gigawatt units for 30 years



02

Our Performance

— to achieve the highest level and best performance in
safety, economy and environmental protection

2.1 Guardian of Secure Energy

Safety,
Our Commitment
to Society and Public



20 years of safe operation and
Energy supply powering
Rapid development
Of Shenzhen

1994.2.1

Unit 1 of Daya Bay NPP was
put into commercial operation

1994
2014

Over 20 years, six units of GNPS, Ling Ao
Nuclear Power Station (LNPS) Phase I and
Phase II were put into operation in
Succession.

By April
2014

Unit 1 of GNPS had operated safely for
4142 consecutive days, ranking the 1st
among the 64 units of similar design in
the world.

Since 1999, CGN has been participating in the annual safety
performance challenge among units of the same type
organized by EDF to contest with over 60 units of the same
type from France, China, Germany, South Africa, etc,
winning a total of 31 first awards.

Localization ratio

80%

Ningde NPP Unit 1

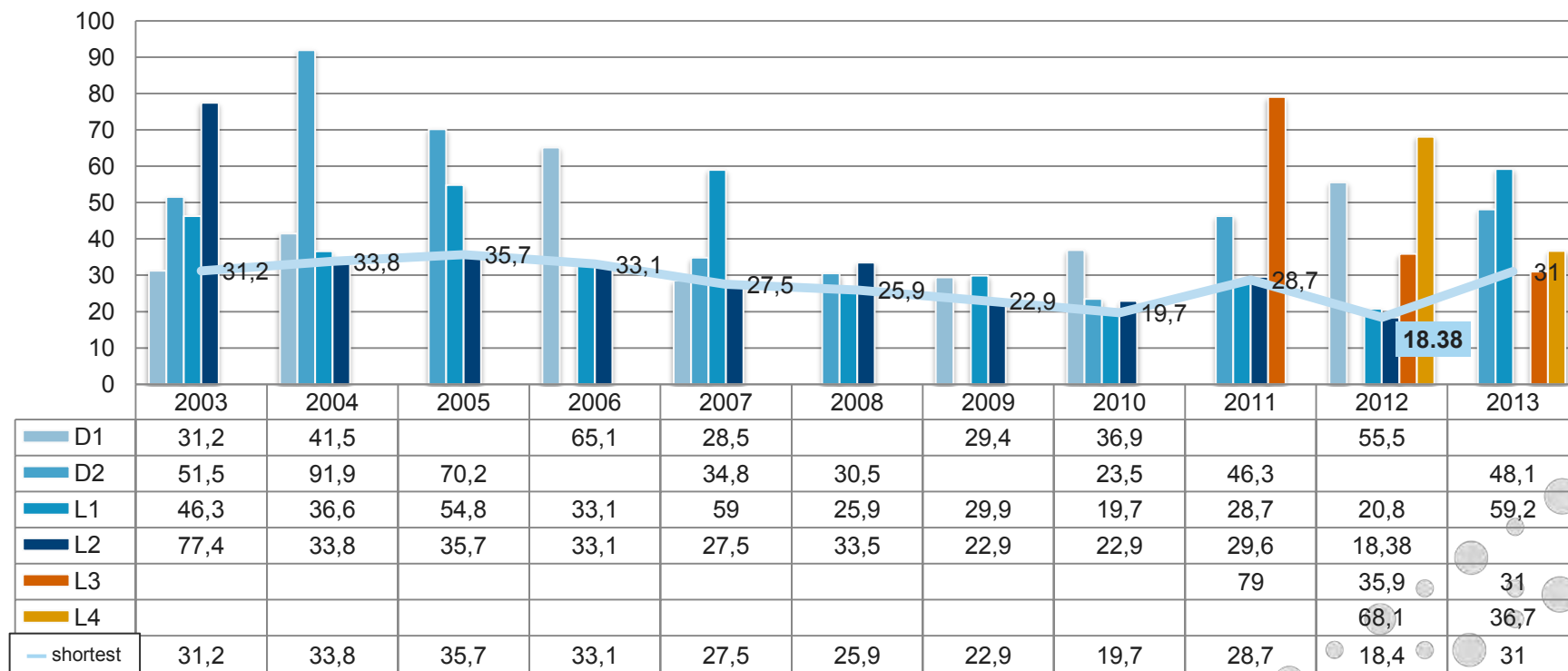
75%

Hongyanhe NPP Unit 1

2.2 Nuclear Power Operation Performance

- implementing unified management principles, standards, requirements and methods
- building an integrated operation platform for regional operation, outage contracting, spare parts supply, technical support and etc.

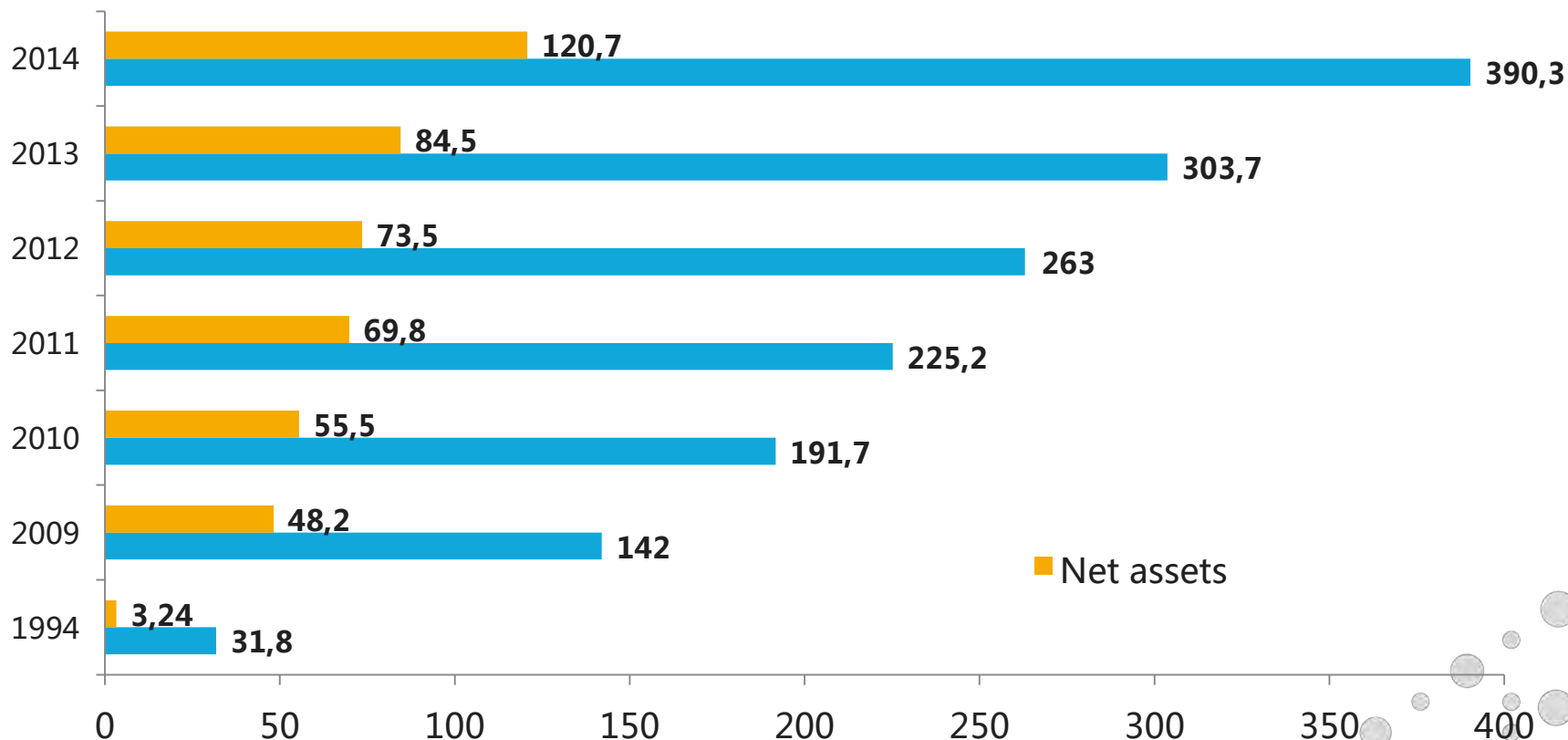
CGN Outage Durations (in days)



In 2012, Unit 2 of Ling Ao Phase I set a record 18.38-day outage duration.

2.3 Economic Performance

A yearly comparison between total assets and net assets

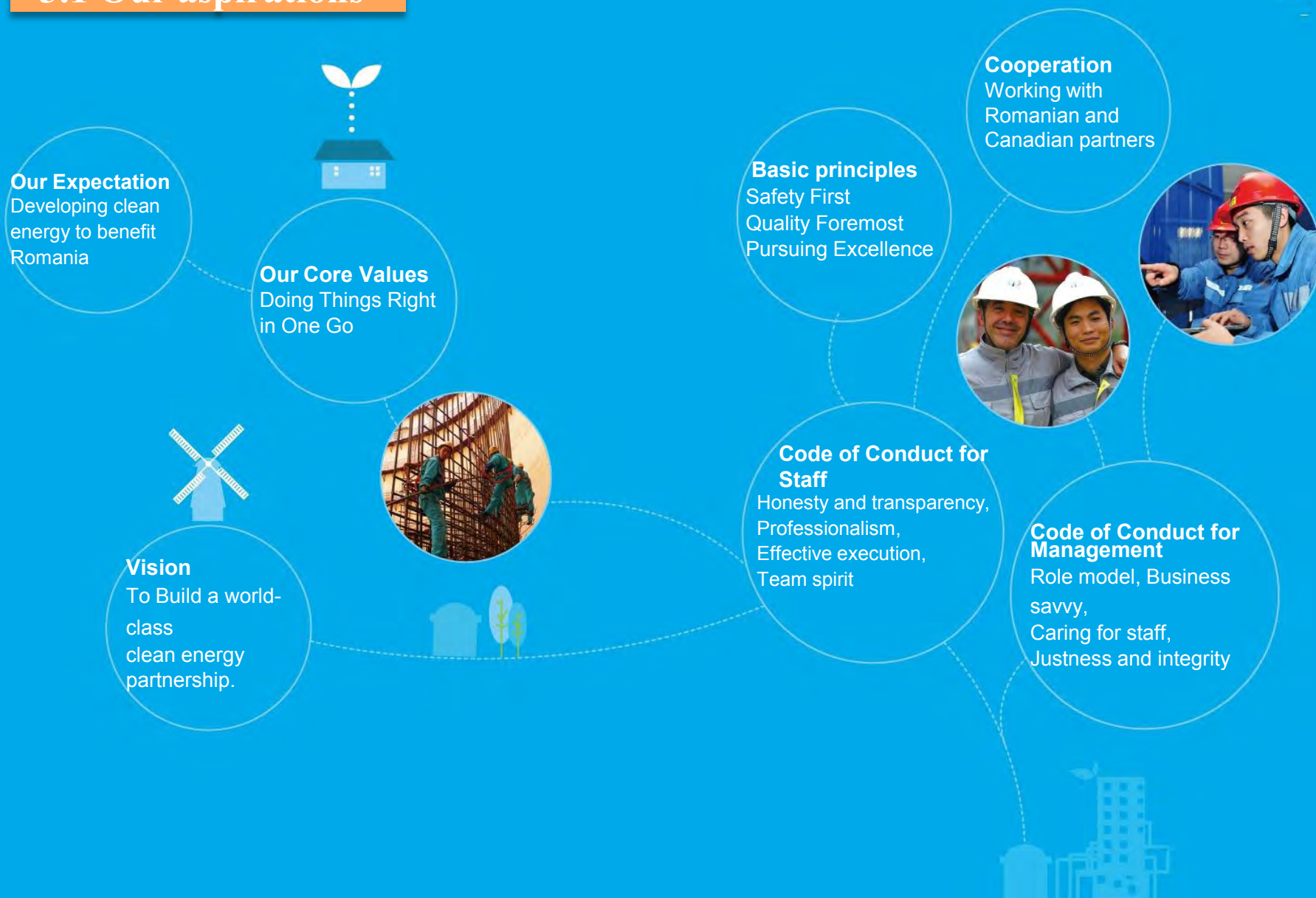


03

Our Presence in Romania

— to enter into win-win cooperation with
Romanian Partners

3.1 Our aspirations



3.2 Benefits for C3&4

1

- Restarting C3&4 will significantly contribute to Romania's energy strategy, including carbon emissions and electricity exports.

2

- Restarting C3&4 makes it possible to reinvigorate valuable existing assets: existing structures, heavy water, and initial fuel load that are estimated to be worth nearly 1 billion euros (according to Romanian estimates). Otherwise, these assets could become permanent sunk costs. Current EN employees and those reserved by SNN will be able to keep their jobs.

3

- Against the backdrop of China's widening cooperation with Central and Eastern Europe (CEE), the introduction of China's funding and excellent engineering and operation management experience serves as testimony to deepening bilateral cooperation between China and CEE providing opportunities for broader and deeper bilateral partnership, as well as laying a solid foundation for consolidating Romania's political and economic position within CEE.

4

- Inject tremendous impetus into nuclear industry related businesses to promote revenue increase and overall growth.

- | | |
|-----|--|
| (1) | Around 15% of the assets already invested in or reserved can be brought back to life, and around 20%-30% of C3&4 EPC scope worth around 1.5 billion euros based on current estimates could be awarded to Romanian companies, directly or indirectly. |
| (2) | Generate 5000 -- 20000 at the peak -- jobs during the course of construction, directly or indirectly. |
| (3) | Generate 5000 jobs, directly or indirectly, during operations phase with operations assigned to SNN. |
| (4) | Contribute to Romanian industrial output with an annual production of 11 TWh. |
| (5) | Consumption of cooling water, accounting for 8% of operation cost, will boost Romanian government coffers. |
| (6) | Around 22 million euros per year will be paid to Romanian government upon the commencement of C3&4 commercial operations for decommissioning and low-and-medium waste treatment. |

3.3 Win-win

Romania

Job Opportunities

1.5-2 billion for subcontracts

GDP contributions

China, Romania & Canada

Investment Opportunities

Equipment export/localization

Financial support



Work together and identify the best way forward to finalize Cernavoda Units 3/4 project in a spirit of mutual benefits and win-win cooperation.

THANK YOU.

Q&A