

2020 Annual Results

Company Presentation

22nd March 2021



Resilient Performance amid Challenging Environment



Retail gas sales volume up 10.2% to 21.95 bcm



Added C/I customers with **17.08 mil m³** installed designed daily capacity & **2.29 million** new residential customers



Added **20** City-gas projects & **21** IE projects Further expanded operating regions



Core profit up 18.2% to RMB6.24 bil



Free cash flow up 12.0% to RMB3.02 bil



DPS up 25.7% to HKD2.10 + Special Dividend HKD0.32

Corporate Social Responsibility



- **Disinfected** workplace, arranged **COVID Test** and provided **personal protective equipment** for employees
- Organized live online **psychological counseling** classes for employees to help them regulate their physical and mental stress
- Provided **free medical counseling** for employees
- Social media online check-in activity to encourage employees to exercise

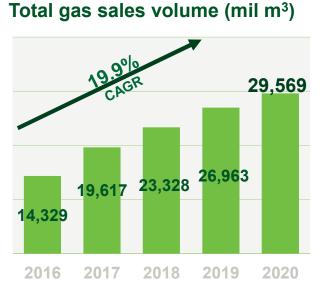
- Strengthened safety inspection to ensure **safe operation** and **stable gas supply**
- Ensured gas safety in the rural areas
- Arranged urgent construction of gas pipelines for crucial users on the front line of epidemic prevention and control such as hospitals, to meet their gas demand to fight against the epidemic
- Promptly responded to flooding threats and took urgent measures to eliminate potential hazards

- Solicited and delivered emergency supplies to Wuhan
- **Donated RMB16 million** to medical workers on the front line of epidemic prevention and control
- Launched ENN Charity Day "Food Saving" online campaign
- Joined the Earth Hour campaign and proactively invited all employees and business partners to save energy and reduce emissions

Enhanced ESG Performance & Governance

Environment	Society	Governance	ESG Rating
GHG emissions 20.2%	22.1% Percentage of women above mid-level management 2019: 21.6%	Anti- corruption 1 , 766 training for 1 , 766 key roles	Included in Hang Seng ESG50 Index Hang Seng Corporate Sustainability Benchmark Index
CO ₂ Helped society & clients reduce emissions		Completed compliance training & pledged	A BBB
42.11 mil tons 2019: 35.11 mil tons No. of member	94.1% Customer satisfaction 2019: 93.0%	Corruption case, Complaint, Environmental illegal case	Hang Seng Corporate Sustainability IndexMSCI ESG Rating2019: A2019: BB
company obtained ISO certifications 17 2019: 6	Occupational injury		Plan to identify climate change risk & opportunity, quantify impacts, progressively align with
Trenchless pipe laying ratio 34.31 mil m ³ 35%	case/mil hrs 2019: 1.04 Charity engagement 283,580 hrs	Modify ESG policies & disclosure, strive to achie international best practic Whistle-blower protection policy	eve
	8,176 _{persons}	Climate change polic	

Growth-Value Creation



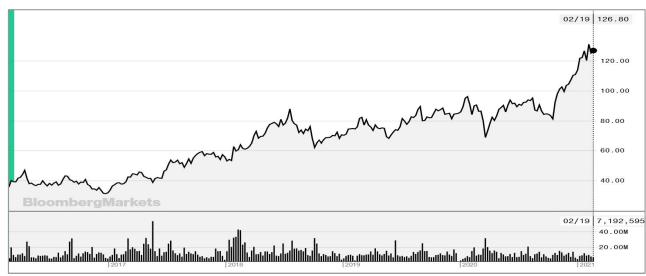
Core profit (RMB mil)



DPS(HKD) + Special dividend



Share price performance (HKD)



Effective business development strategy creates growing returns for shareholders

Total shareholder return* in 2020 36.5%

Total shareholder return = (Share price movement + total dividend payment)/base price (closing price on 31 Dec 2019 HKD85.15)



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Higher Operating Profits

(RMB mil)	2020	2019	Change	
Key Financial Data				
Revenue	71,617	70,183	↑2.0%	
Segmental Revenue				
Retail Gas Sales	40,510	40,049	1.2% Higher vol, lower gas price	
IE Business	5,042	2,749	↑83.4% Higher utilisation, new projects commenced operation	
Value Added Business	1,685	1,988	♦ 15.2% Affected by COVID-19	
Wholesale of Gas	17,936	18,465	♦2.9% LNG price down, wholesale vol up	
Construction & Installation	6,444	6,932	√7.0% Less connections, stable fees	
Gross Profit	12,332	11,265	19.5%	
EBITDA^	12,207	10,960	↑ 11.4%	
Profit attributable to Shareholders	6,278	5,670	↑ 10.7%	
Core Profit*	6,237	5,278	↑ 18.2%	
Core DPS (RMB)	5.55	4.70	↑18.1%	

^ EBITDA = Incl. JCE, Asso, excl. one-off items

* Core profit= Profit attributable to shareholders – other gains & losses (excluding net settlement amount realised from commodity derivative contracts) and amortisation of share option expenses

Retail Gas Sales Business

- Citygate price reduced, coupled with lower LNG import cost, stimulated gas demand from customers
- Volume growth driven by our C/I-focused clientele which benefited from rapid work resumption policy and lower winter temperatures

2020 Gross profit (RMB mil)



IE business

Wholesale of gas

Retail gas sales

- Value added business
- Construction & Installation



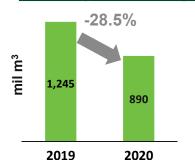


Dollar margin increased by 0.01/m³

(RMB/m³)	2020	2019
Residential	2.81	2.88
C/I	2.76	3.14
Large customer*	2.34	2.77
Small-mid customer	3.14	3.36
Vehicle gas station	3.41	3.93
ASP	2.79	3.14
Average cost	2.14	2.50
Dollar margin (ex. VAT)	0.60	0.59

Residential vol Vehicle gas refuelling vol +10.1% mil m³ 1,245 4,185 3,802

2020



Diversified gas source

- ✓ Imported 1.95 mil tons of LNG
- ✓ Average all-in import cost was
- 10-15% below citygate prices ✓ Non-majors conventional & unconventional gas purchase
- \checkmark 56 member companies were qualified to use PipeChina's transmission capacity, lowering gas cost
- ✓ Intelligent dispatching system optimised gas supply & demand matching

* Large customer refers to annual gas consumption capacity of over 50 mil m³

2019

Construction & Installation

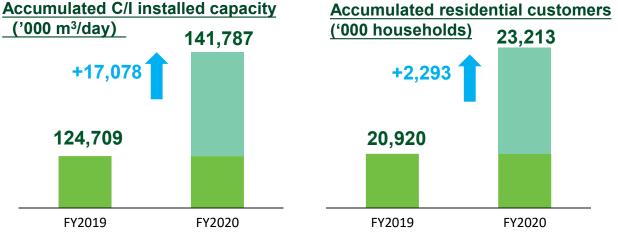
- Affected by COVID-19, number of new residential connection reduced by 104,000 households, newly installed C/I daily designed capacity reduced by 1.08 mil m³
- > Continue to explore C/I users development potential, push forward industrial coal replacement progress
- Urbanisation & people's pursuit of quality life, brings huge opportunity of urban residential users development

2020 Gross profit (RMB mil) Yoy change

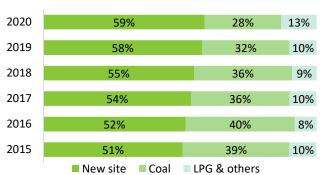


Construction & Installation





New C/I customers breakdown



New residential customers breakdown

2020	74%	<mark>5%</mark>	21%
2019	67%	12%	21%
2018	70%	10%	20%
2017	72%	12%	16%
2016	83%		17%
2015	84%		16%
	New building Old buildir	ng R	ural

Integrated Energy Business (IEB)

2020 Gross profit (RMB mil)

- Projects gradually ramped up, integrated energy (cooling & heating, electricity, steam) sales volume increased significantly
- Developed IE projects incorporating the use of low-carbon sources such as biomass, solar & geothermal heat, and tapped into distributed clean heating projects around Yangtze River areas



Performance



Positive environmental impact for customers:



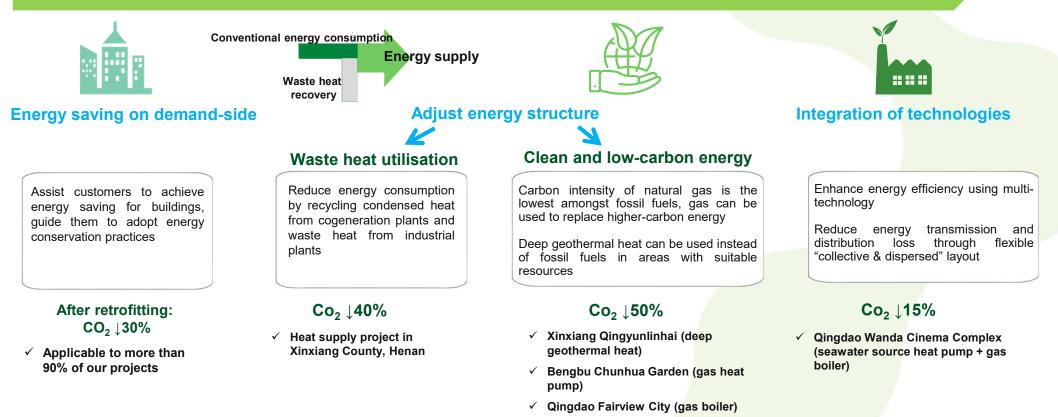
IEB – Typical Projects

- According to the local resources available and customer needs, choose the best technical route and provide customers with low-carbon energy solutions based on renewable energy
- 30% out of 143 IE projects in operation and under construction adopt renewable energy such as biomass, photovoltaic and geothermal energy



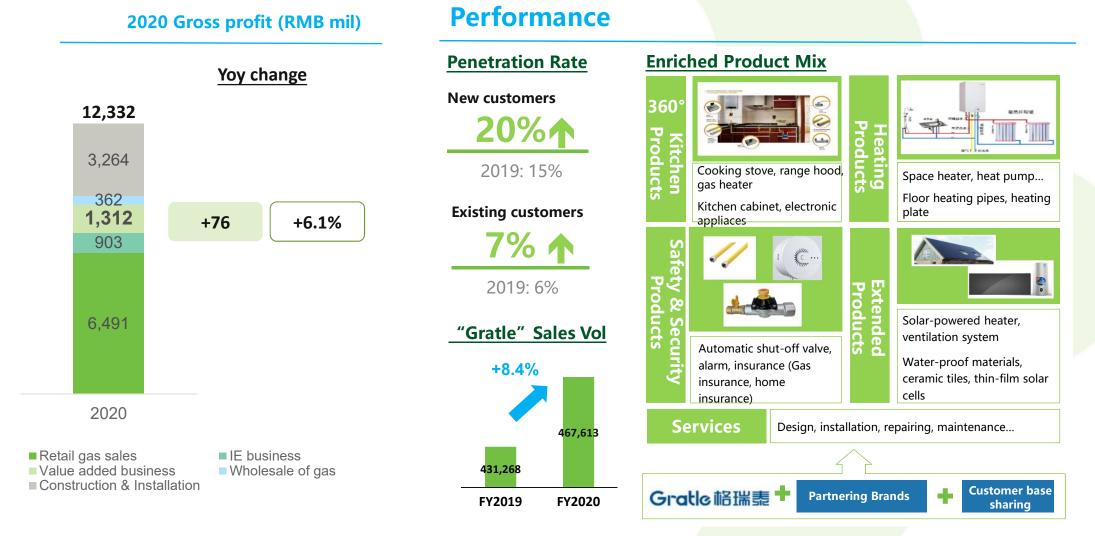
IEB – Green and Low-carbon Heating Solutions Adaptive to Local Conditions

- Reduce total energy consumption through energy saving on demand-side and waste heat re-use
- Reduce CO₂ intensity by adjusting energy structure; priority use of zero carbon resources such as waste heat re-use and geothermal energy, supplemented by low carbon energy such as natural gas
- Based on users' distribution and demand, incorporating centralised, distributed and individual heating methods to reduce energy loss, and achieve CO₂ reduction, energy saving and economic benefits, through multi-technology use and integration, ensuring sustainable development of the project
- Tapped into traditional heating areas incl. Hebei, Shandong, Henan, emerging heating areas incl. Jiangsu, Anhui, Zhejiang and Shanghai, contracted heating areas of approx. 20 million sq.m. and have been supplying heating covering over 5 million sq.m.



Value Added Business (VAB)

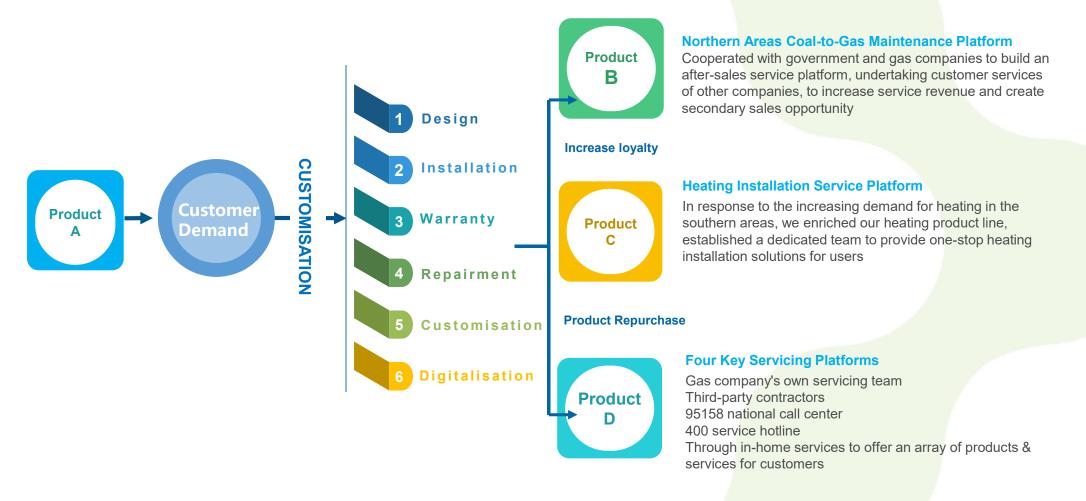
- Grounded on our superior customer services and products, provided one-stop solutions for customers, enhanced per customer value
- > Expanded the width & depth of our product mix, innovated new business model to create value



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VAB - Create Value with Services

Formed a value creation cycle, through regular customer service to explore business opportunity, expand product mix to meet customer demands, and after-sales services to enhance customer loyalty and stickiness, thus, creating a 1+N multiplier effect for value creation





Operational Excellence - Reduce Costs and Increase Efficiency

In 2020, we established a new operational excellence mechanism and four implementation rules involving more than 3,800 people, completed 434 projects, contributed to an annualised return of RMB150 million, and promoted 193 outstanding projects, forming a corporate culture of full participation and encouraging innovation and value creation

Operational Excellence Ecosystem	Implementation Rules	Bringing Vitality
Fund Protection	Deduct 0.1% of the assessment income to establish a fund pool, with no cap on the return Activate the organisation of value creation by project	on≻ Self-driven organisations increased to 84
Value Sharing	Share 2%-20% of project revenue to project members, depending on project level and value creation results	 Participants totaled 3,800 80% of whom were front-line employees
Operational Expert Excellence Empowerment Mechanism	Grant incentives based on the number of expert reviews and the effectiveness of project promotion and empowerment	 Expanded expert pool with more than 40 experts in 2020
2020 Resource Trading	Match providers with adopters of quality projects for improvements and share revenues Activate projects	 Release the value of outstanding projects and promoted 193 cases so far

Case Study Construction cost reduction



Replace excavators with grooving machines in part to reduce construction costs



Replace old regulator by parts to avoid overall replacement and reduce operating costs



Customer service

Activate bill reminder and bill payment functions via WeChat official account to reduce phone and printing costs

Safety operation



Apply intelligent warning pile to achieve real-time monitoring of pipeline network and reduce the pipeline loss



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Increasing Operational Efficiency

Gross profit & gross profit margin (RMB mil)



EBITDA & EBITDA margin (RMB mil)



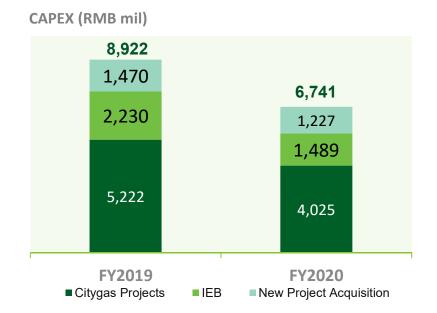
SG&A, SG&A to revenue ratio (RMB mil)



Core profit & core profit margin (RMB mil)



Superior Financial Management



Net debt & net gearing ratio (RMB mil)



Account receivables & turnover days (RMB mil)



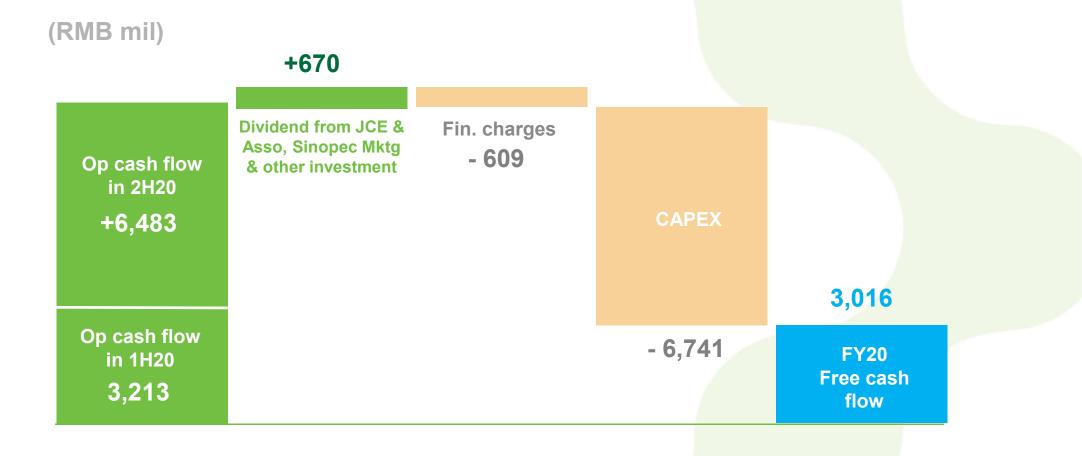
Total debt & cash on hand (RMB mil)



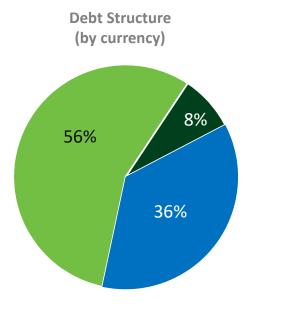
Cash Flow Analysis

Business activities resumed normal in 2H20, operating cash flow increased significantly

Free cash flow increased by RMB322 mil



Ample Financial Resources & Liquidity



■ USD Bonds ■ USD Bank Loans ■ RMB Bonds & Loans

Foreign Currency Risk Exposure Management – long-term USD debt 59% 41%

Unhedged • Hedged

Investment-Grade Credit Ratings

Rating agency	FY2020
S&P Global Ratings	BBB
MOODY'S INVESTORS SERVICE	Baa2
Fitch Ratings	BBB

Interest rate was lowered due to loans with preferential rates were obtained by some project companies

	2020	2019	2018	Change
Avg. effective interest rate	3.63%	3.90%	4.05%	27 bps

Sufficient Financial Resources

RMB mil	Available Quota
Unutilised credit facilities	12,001
Green bond quota approved by NDRC	5,000

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New Opportunities and Challenges

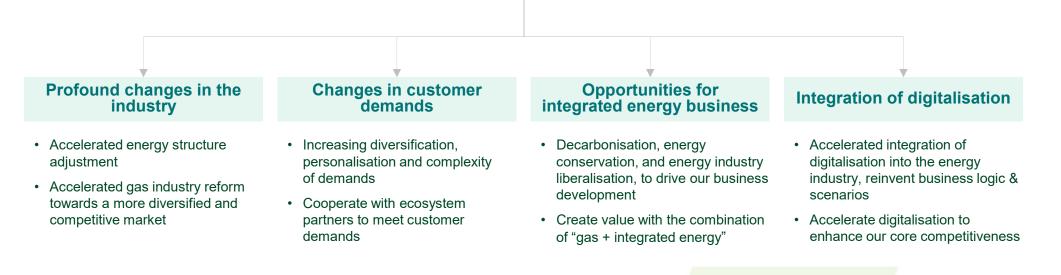
Targets of "peaking carbon dioxide emissions and carbon neutrality"

✓ **Dual-circulation economy**

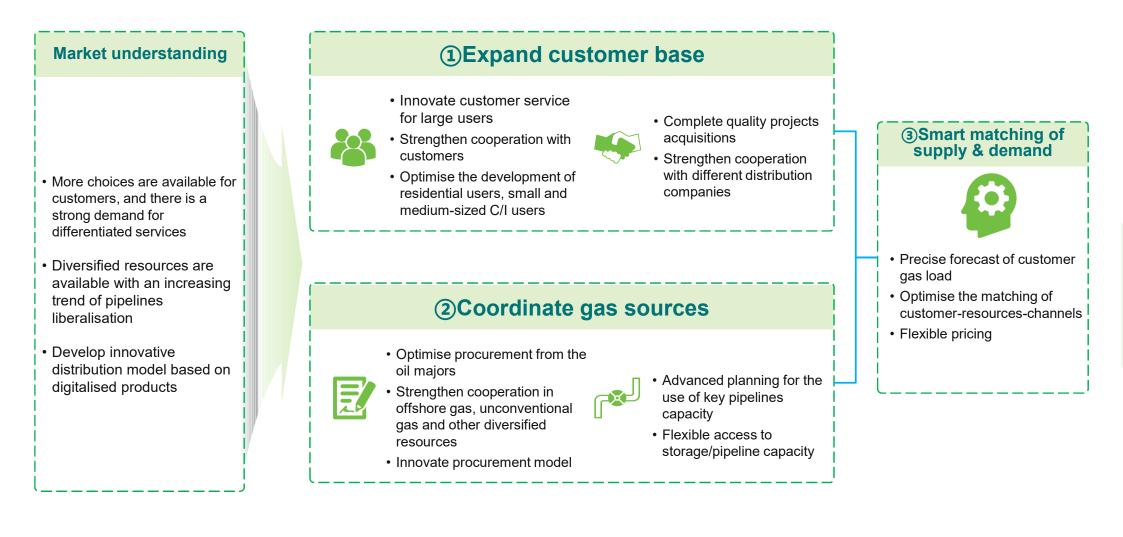
Accelerated energy reform

Rapid development of digitalisation

Macro Factors



Expand and Strengthen Gas Distribution Business



Improve the Efficiency of Pipeline Transmission and Distribution

Improve infrastructure construction

Diversify transmission and distribution channels to ensure gas supply

- Add resource download points in the city
- Connect to the surrounding gas pipeline network
- Construct core available pipeline network

Optimise the pipeline network to improve utilisation

- Collaborate with the government on special city gas planning
- Focus on customer distribution and make rational planning and deployment of gas network

Improve pipeline efficiency

Life cycle management of pipeline networks

Ensure operational stability

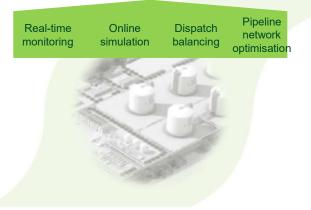
Plan Design Construction Maintenance

Management of city gas pipeline network

Smart dispatching management

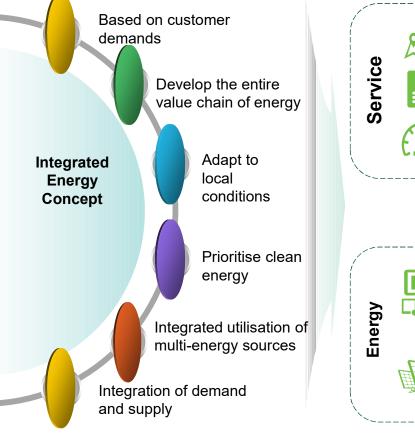
Reduce costs and improve efficiency

Comprehensive prognosis | Integrated control | Adaptive optimisation

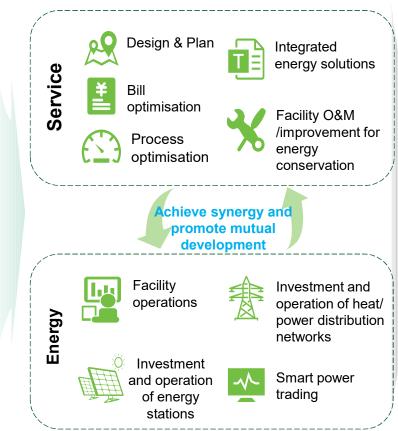


Develop Integrated Energy Business Adaptive to Local Conditions

Develop integrated energy business under the guidance of the integrated energy concept



Provide "Service + Energy" product portfolio based on customer demands



Case Study



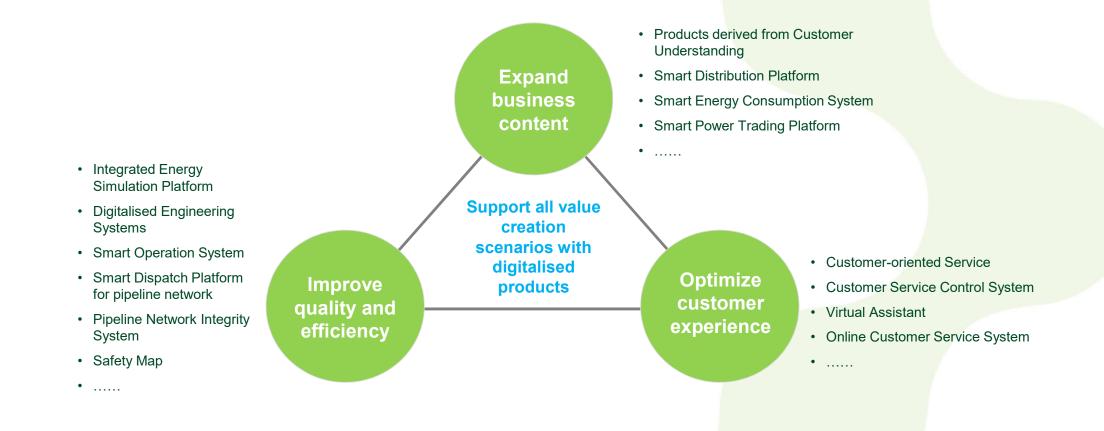
- Installed lithium bromide heat pump to recover waste heat from gas boiler exhaust gas, increasing gas efficiency by 7%, saving ~330,000 cubic metres of natural gas in one heating season, equivalent to increasing heating areas by 24k sq.m.
- Suitable for gas-fired hot water or steam boilers and can reduce visual pollution from smokes



- Newly developed integrated energy and direct gas supply customer. Deployed waste heat recover boilers to recycle high temperature flue gas waste heat from customer's glass kilns, to produce steam for surrounding paper mills, and provide hot water for domestic use and for heating in winter
- Realised synergy of energy consumption and supply in a single project, enhancing project value

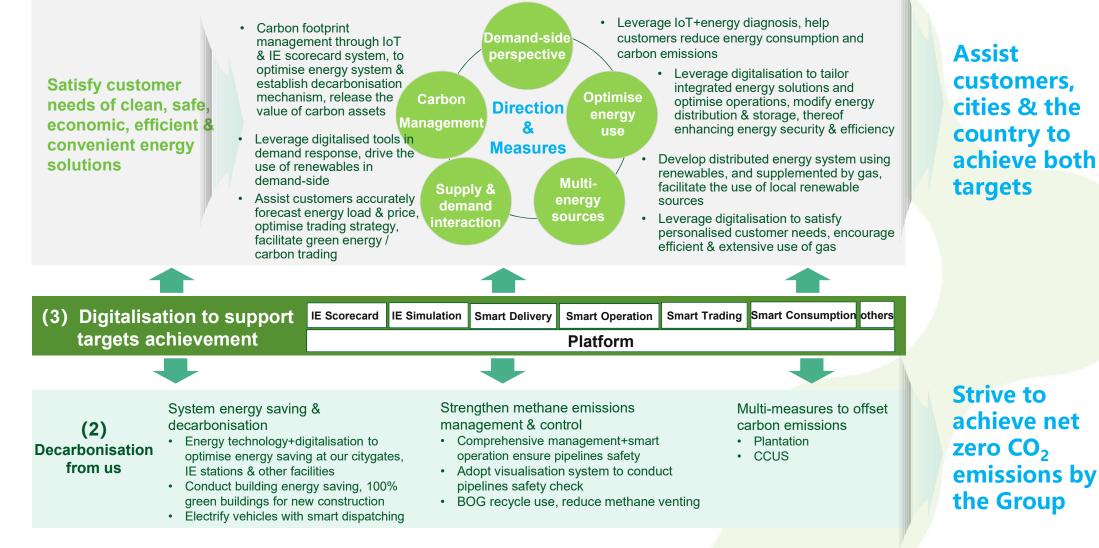
Develop Digitalised Products to Support Business Upgrade

Digitalisation is an effective means to connect and serve customers. ENN develops digitalised products for all business scenarios to strengthen our core capabilities to expand business content, improve service quality and optimise customer experience



Strive to Achieve CO₂ Emissions Peak and Carbon Neutrality

(1) Serve the community, innovate solutions for CO_2 emissions peak and carbon neutrality



2021 Guidance

Proactive New Customers Development

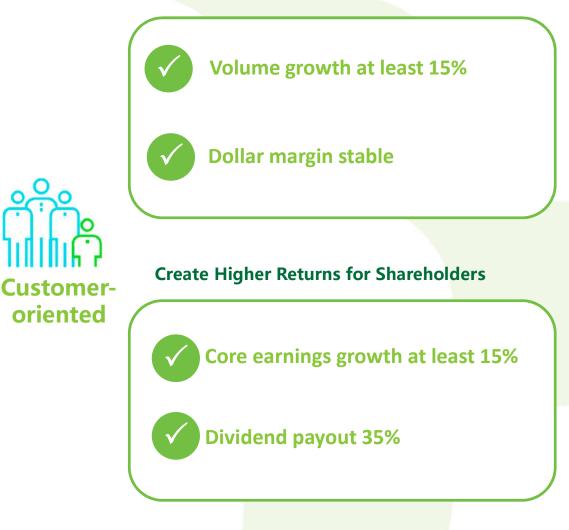
 New C/I development of at least 18mil m³ daily installed capacity
 New residential development of at least 2.4mil households
 20-30 new city-gas projects
 & 20 new IE projects in operation

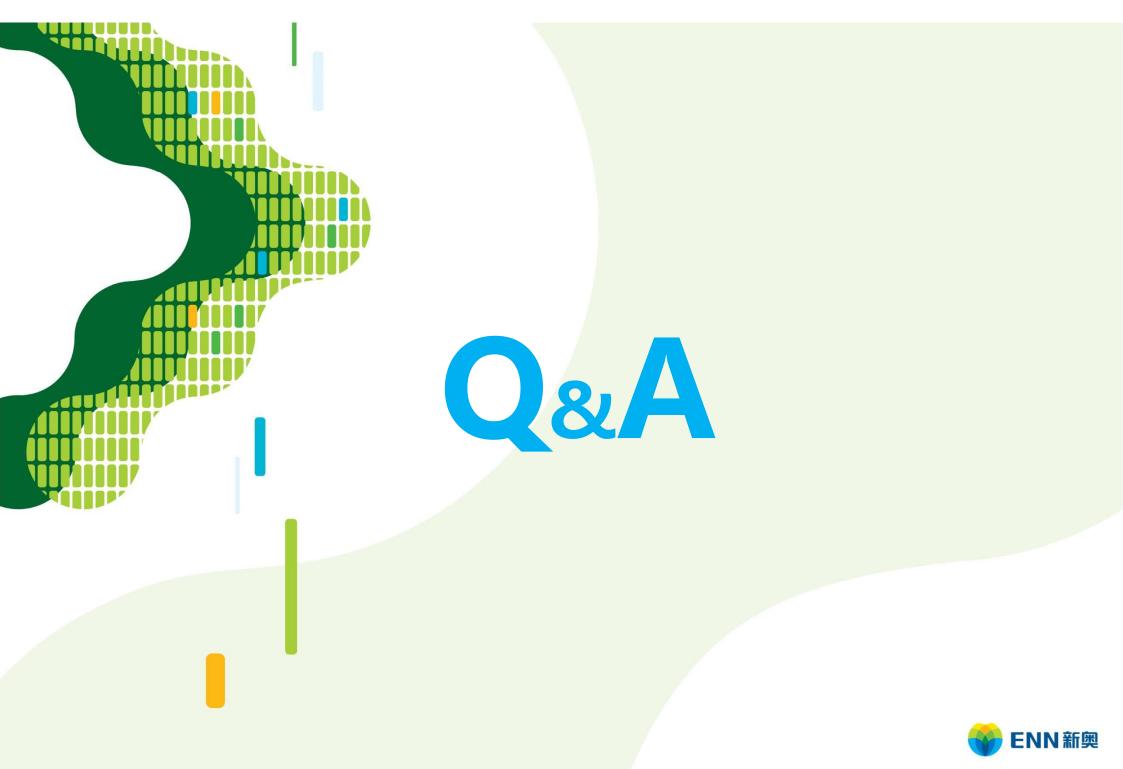
Accelerate New Businesses Development

IE business revenue at least RMB 8-10 bil

VAB gross profit up at least 30%

Ensure Volume and Quality of NG business Growth



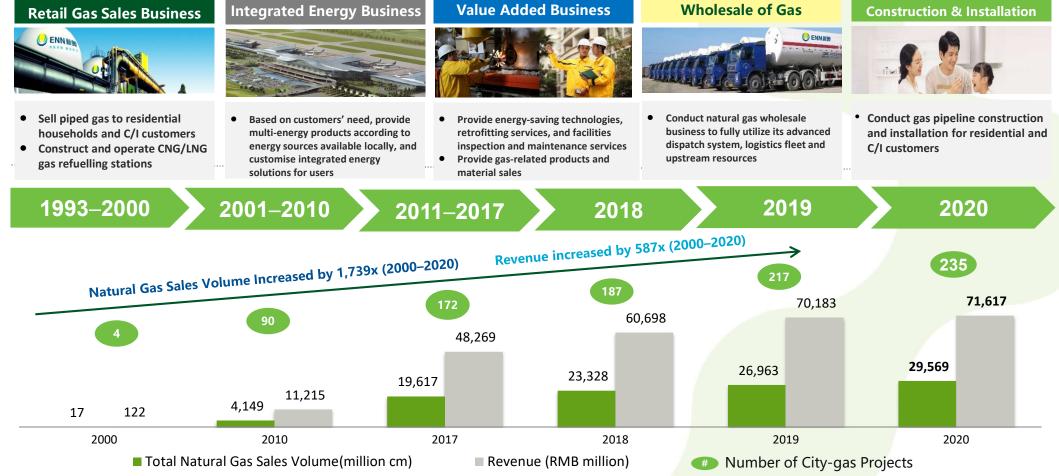


N – To Build an Industry-leading Integrated Energy Service Provider

Company Overview

- Established in 1993, ENN is one of the leading privately-owned clean energy distributors in the PRC
- ENN's principal business includes sale and distribution of piped gas, investment in, and the operation and management of gas pipeline infrastructure, vehicle/ship gas refuelling stations, integrated energy business, sales and wholesale of piped gas, as well as sales of LNG and multiple energy forms. It also develops integrated energy business and wholesale of gas business, while providing other energy-related value added business
- ENN was listed on the GEM in 2001 and transferred to the Main Board of HKEX (stock code: 2688) in 2002

Key Business Segments



Explore the Application of Low-carbon Energy – Distributed Solar

- Government's front: "14 · 5 Year Plan" is expected to continue to drive the use of clean energy, and to implement renewable power generation quotas and license waiver policies
 Customer's needs: Pressure to digest renewable-generated power, demand for cost reduction and efficiency enhancement
- Competitive Edge:
 - ENN Energy possesses tremendous C/I customers resources
 - (>3GW rooftop resources)
 - Gas concession areas, IE projects, and incremental power distribution networks will create synergy, able to reduce operating costs & mitigate receivables issues

Case Study – Yangkou Distributed Solar Station in Shandong Shouguang

Summary

- Installed capacity: 11.33MW
- Utilized customer's rooftop of 146,000 m²
- Investment amount: RMB70.98mil
- Operation: Grid connection & all-on-grid
- Generation Capacity: 16mil kWh in 2019
- Tariff Subsidy: RMB0.98/kWh
- Return: IRR 12%



Explore the Application of Low-carbon Energy – Hydrogen

Government's front: China pledged to reach peak level of carbon emission by 2030, and carbon neutral by 2060 **Characteristics of H**₂: High heat value, zero emission, burns fast

Competitive Edge:

- H₂ can be blended into natural gas pipelines at specific
 concentration (10% or below according to international
 practice) and pressure, can be supplied to commercial
 and residential users as fuel, reduce carbon emission
- ENN's technological know-hows of operating CNG & LNG transportation & storage provide support to develop compressed H₂ or liquified H₂ business
- Possesses resources and technology of natural gas to hydrogen production
- Founding member of "Yangtze River Delta Hydrogen Infrastructure Industry Alliance", aims at exploring the development of hydrogen refuelling infrastructure following the policy of "Yangtze River Delta G60 Hydrogen Corridor"

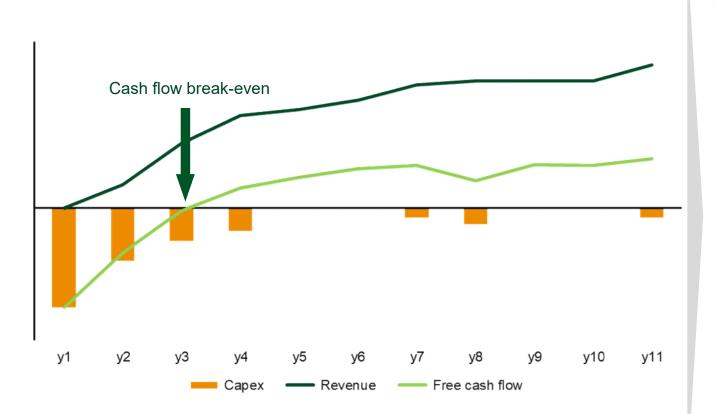
Hydrogen Supply Project – A Pharmaceutical Company in Liaoning Huludao

Summary

- H₂ production capacity: 1,500m³/h
- Customer's need: 12.48mil m³/year
- Use of existing pipelines, factories and land for free, reduced investment cost, revitalized customer's assets
- Investment amount: RMB17.39mil
- Expected return: IRR 20%
- Status: Under construction, expected commencement in April 2021



Typical Industrial Park IE Project -Cash Flow Projection



1. Stable & Recurring Income

• Integrated energy solutions reduce customers' overall energy bills ↓10%

• Selling the types of energy customer need increases their stickiness

2. Rapid Cash Flow Generation

• Capex are invested by stages depending on the number of customers and their energy consumption scale

• Our projects are mostly industrial parks with existing customers, once the energy stations completed, energy sales can be generated

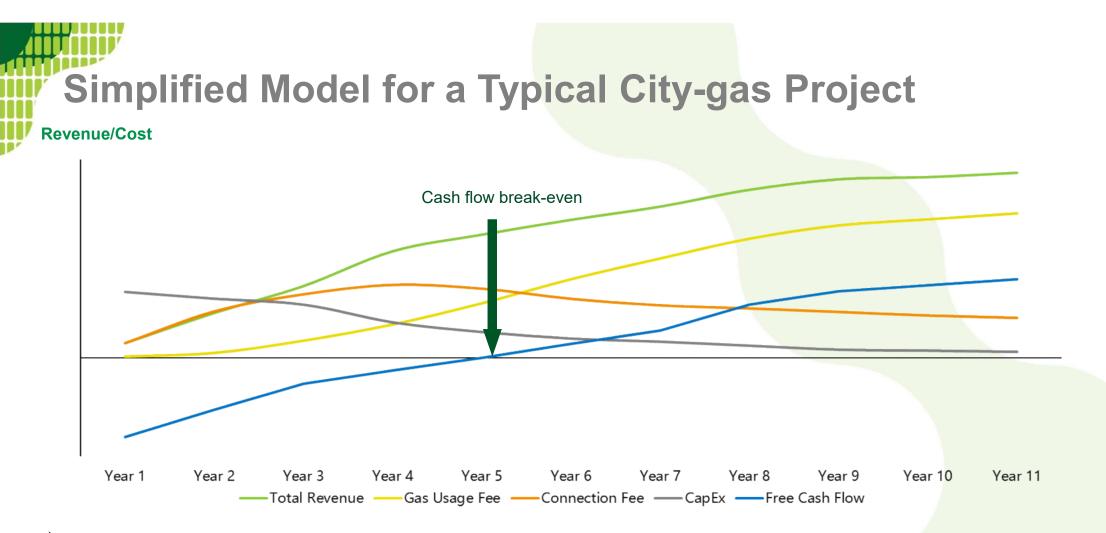
Payback period: **7-8** years

3. Low Risk

• Diversified customer base in industrial parks helps reduce cyclical risks of certain industry

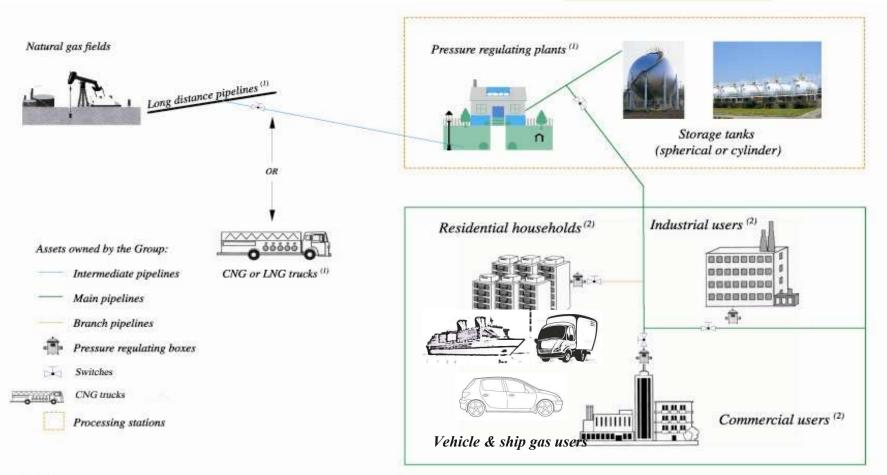
• Sign minimum energy offtake volume and establish automatic passthrough mechanism with customers

• Market-oriented business model with low regulatory risk



- Connection fee dominates in early years when the project companies are signing up new customers
- Gas usage increases as projects mature, becoming the major source of recurring income
- Prior to the completion of the whole pipeline network in cities, revenue will be generated as soon as gas supply becomes available in certain districts. Each connection contract normally takes 6–12 months to complete
- In general, gas projects would generate positive free cash flow after 5 years of operation





Notes:

(1) Gas delivery using either intermediate pipelines or CNG or LNG trucks.

(2) Customers' pipelines and metres which are not owned by the Group are within the customers' premises and are not highlighted in this diagram.

Latest Benchmark City-gate Price

Province	From 25 May 2018	From 1 April 2019	Province	From 25 May 2018	From 1 April 2019
Unit: RMB/m³ (Incl. VAT)			Henan	1.89	1.87
Beijing	1.88	1.86	Hubei	1.84	1.82
Tianjin	1.88	1.86	Hunan	1.84	1.82
Hebei	1.86	1.84	Guangdong	2.06	2.04
Shanxi	1.79	1.77	Guangxi	1.89	1.87
Inner Mongolia	1.23	1.22	Hainan	1.53	1.52
Liaoning	1.86	1.84	Chongqing	1.53	1.52
Jilin	1.65	1.64	Sichuan	1.54	1.53
Heilongjiang	1.65	1.64	Guizhou	1.60	1.59
Shanghai	2.06	2.04	Yunnan	1.60	1.59
Jiangsu	2.04	2.02	Shaanxi	1.23	1.22
Zhejiang	2.05	2.03	Gansu	1.32	1.31
Anhui	1.97	1.95	Ningxia	1.40	1.39
Jiangxi	1.84	1.82	Qinghai	1.16	1.15
Shandong	1.86	1.84	Xinjiang	1.04	1.03

Source: NDRC



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