



ZHEJIANG PROVINCIAL ENERGY GROUP

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November 2017



Among the provincial energy enterprises, Zhejiang Energy Group has the largest installed capacity by **32020MW**, accounting for **50%** in Zhejiang), the biggest asset scale and the most comprehensive energy types.

Six Main Sectors



Two Supportive Sectors





Holding or managing **200** enterprises

Owning two A-share listed companies, **Zhejiang Zheneng Electric**

Power (600023) & Ningbo Marine Group (600798)

2016



GENERATING

120.1 B kwh

30% capacity in Zhejiang



COAL SUPPLY

49.42 M tons

45% of coal consumption in Zhejiang



NATURAL GAS SUPPLY

7.225 BCM

85% of natural gas consumption
In Zhejiang

BY JULY 2017



TOTAL ASSET

¥183.8B



NET ASSET

¥104.2B

Listed on *Top 500 Enterprises* in China 2016, ranked **61st** among the *Most Efficient Enterprises*.



ZHEJIANG ENERGY GROUP INTRODUCTION



Zhejiang Energy Natural Gas Group

Zhejiang Provincial Natural Gas Exploration Co.,Ltd
(holding shares of 40%)

Zhejiang Jinqvli Natural Gas Co.,Ltd
(wholly owned)

Zhejiang Zheneng Natural Gas Pipeline Co.,Ltd
(wholly owned)

Zhejiang Provincial Energy Group City Gas Co.,Ltd
(wholly owned)(holding 25 city gas companies)

Zhejiang Zheneng Oil New Energy Co.,Ltd
(Wholly owned)

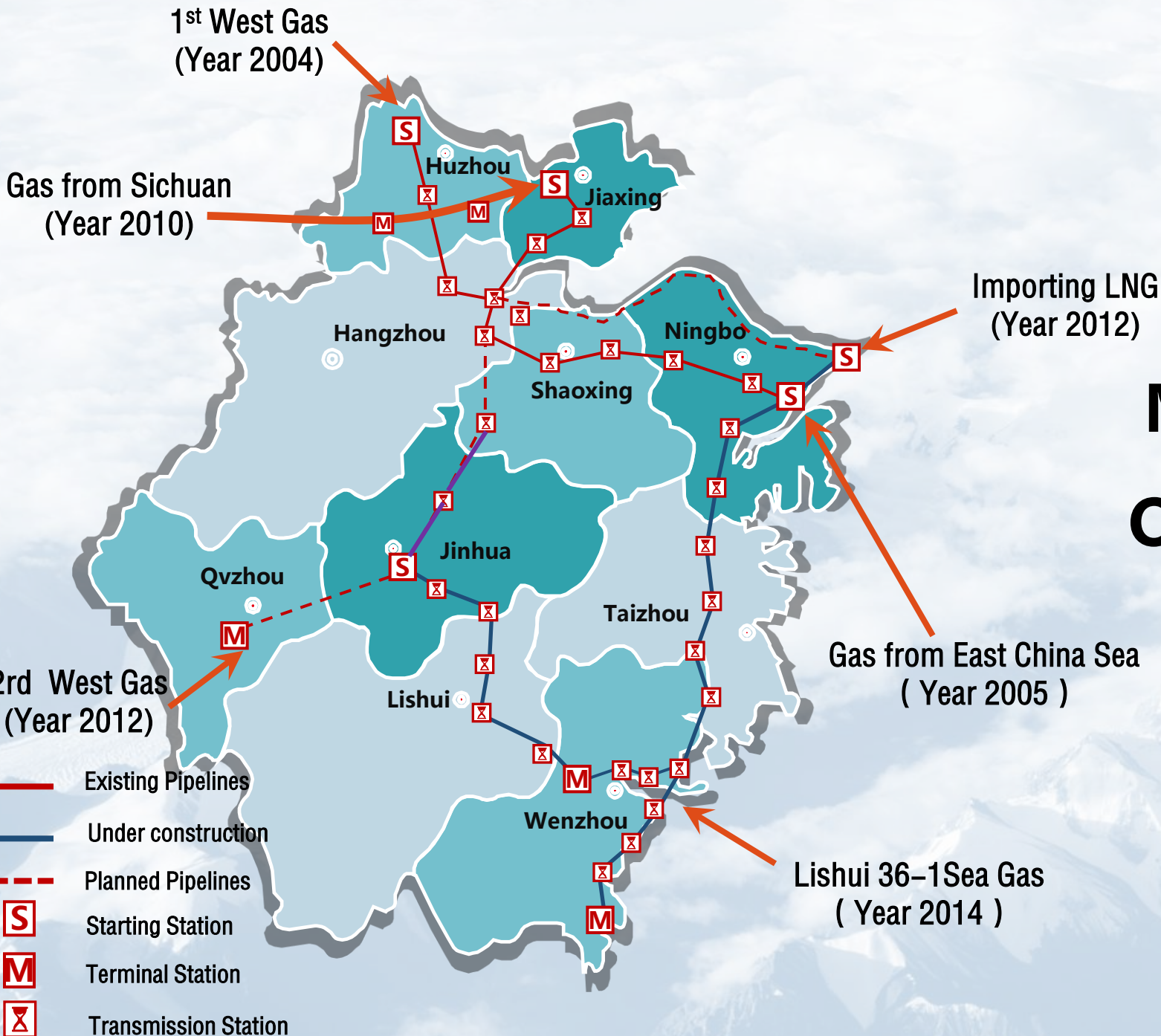
Zhejiang Sinopec Zheneng Oil Development Co.,Ltd
(shares of 50%)

CNOOC Zhejiang Ningbo LNG Co.,Ltd
(shares of 29%)

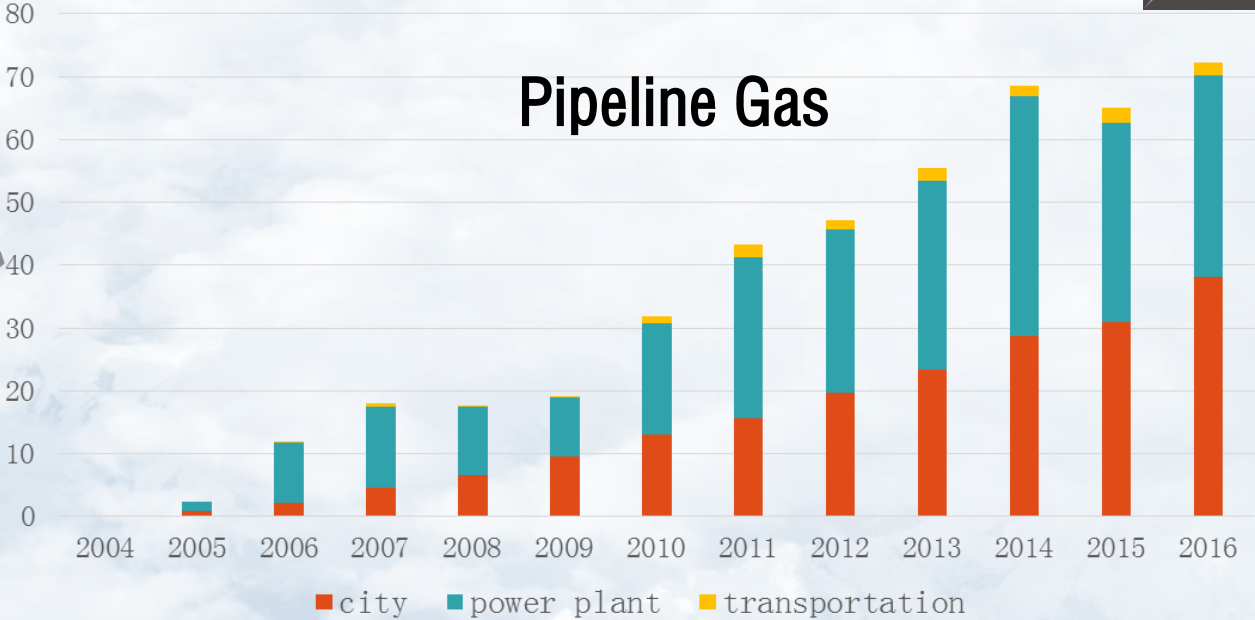
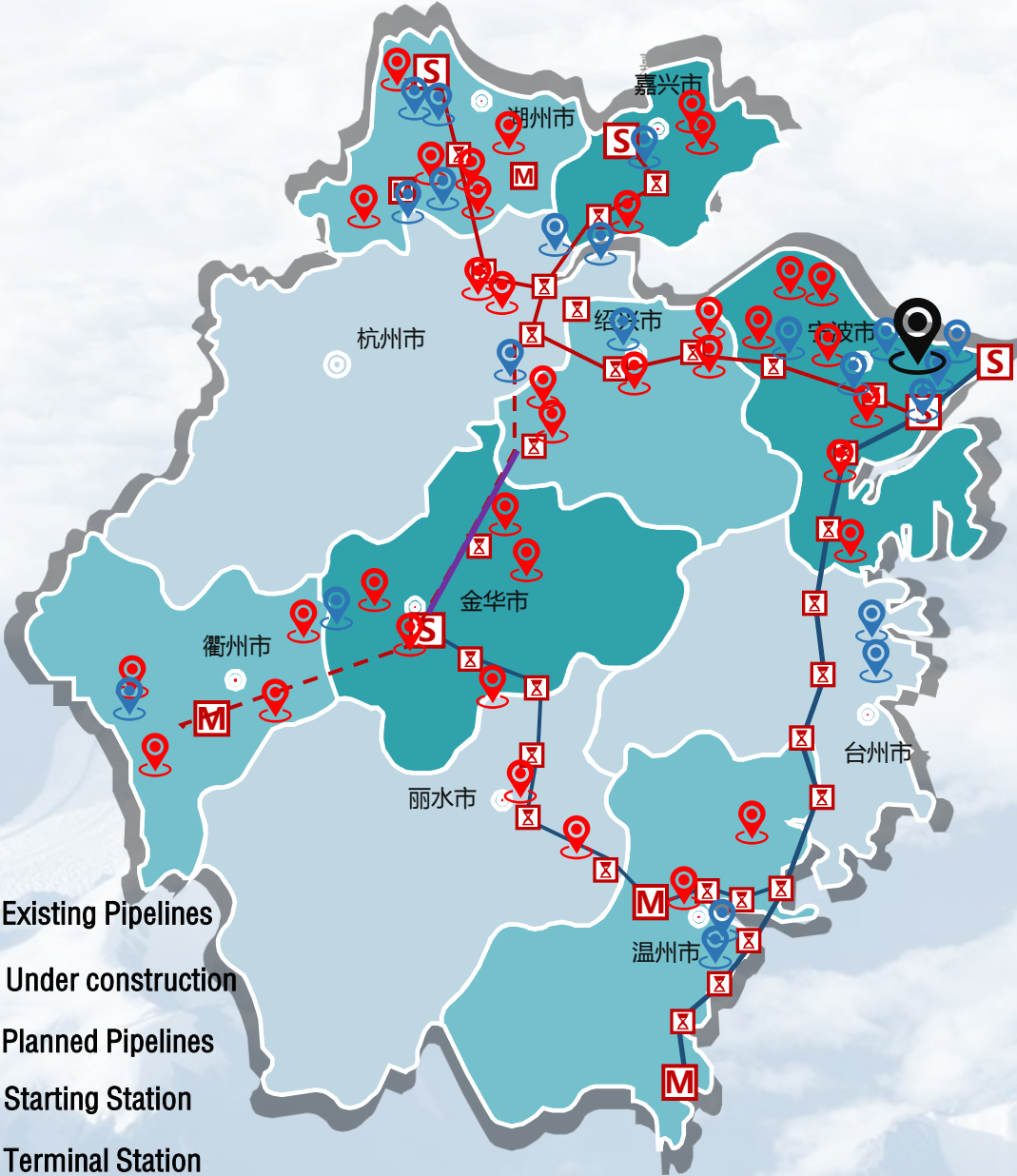
LNG Project Preparation Office

Zhoushan Gas Trading Market Co., Ltd
(holding 51%)

Holding 9 Major Enterprises



Multiple gas sources, One pipeline network



Directly supply to **59** end users, including **22** power plant users

Generating Capacity of Gas Power Plant **12400MW**

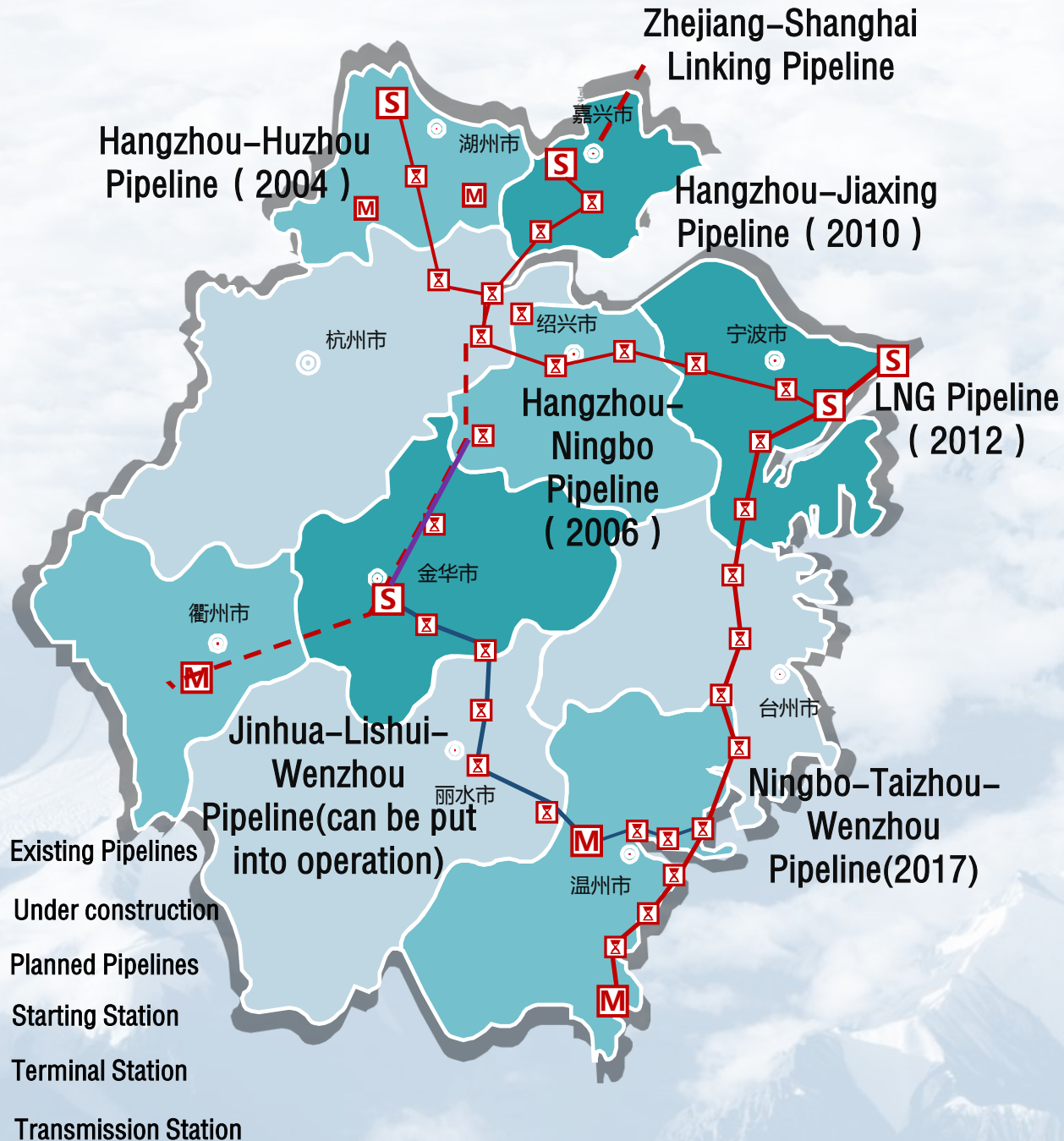
36 city users **1** large industry enterprise

(Sinopec Zhenhai Refinery)

Sales Volume : **7.225BCM** pipeline gas, estimated **8.6 BCM** by the end of 2017

An increase of **19.4%** YoY

- Existing Pipelines
- Under construction
- Planned Pipelines
- Starting Station
- Terminal Station
- Transmission Station



436 km pipelines is newly put into operation in 2017

Sept. 2017, **1477 km** pipelines, **59** transmission station, **68** valve vault

¥ 11.3 B investment

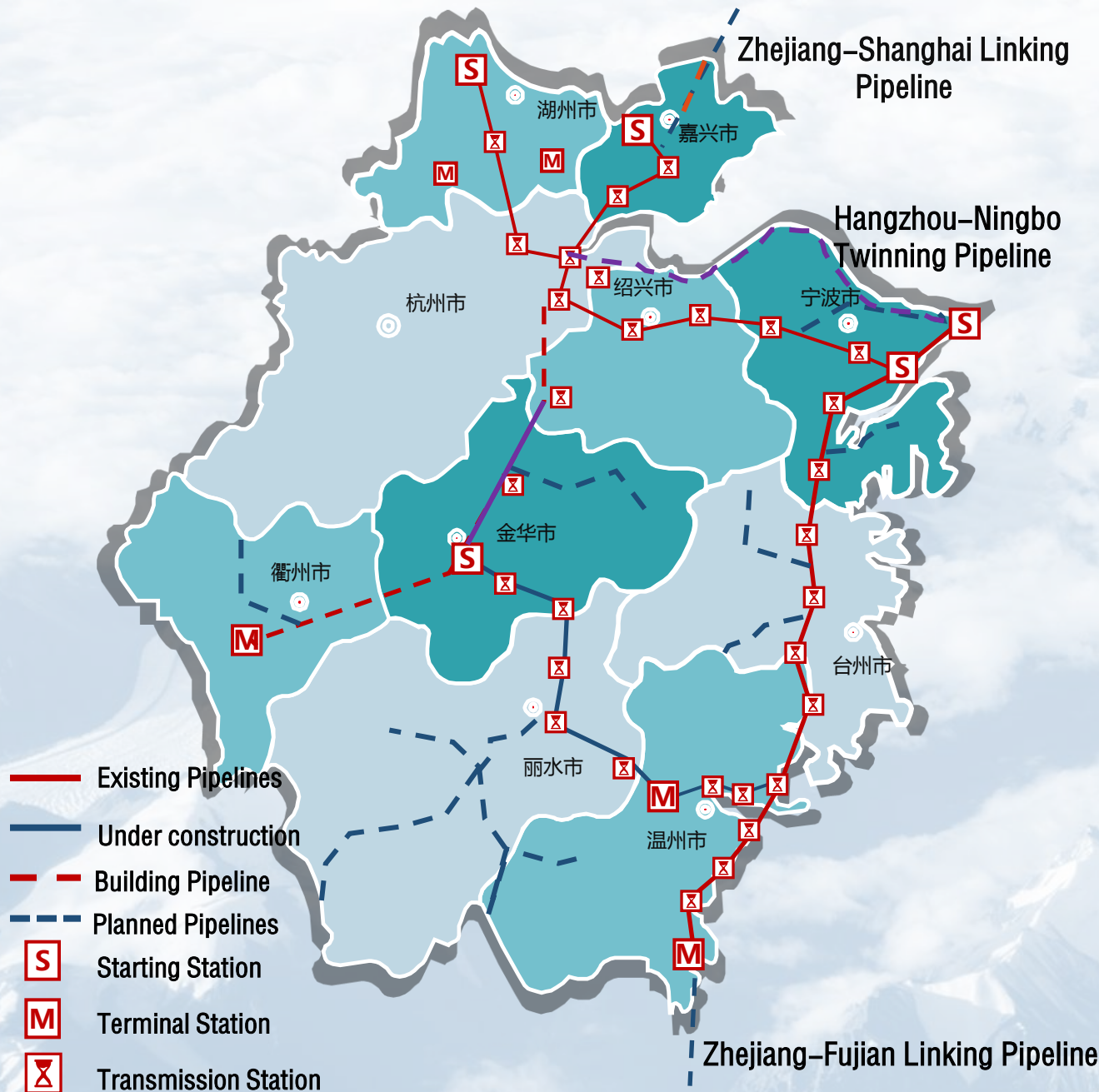
397 km pipelines under construction

15 counties(city/district) newly added to the network

70% of the counties(city/district) in Zhejiang has access to natural gas

Zhejiang Province Natural Gas Network Plan by 2020 (section)

ZHEJIANG ENERGY GROUP INTRODUCTION



Pipeline gas in Zhejiang is up to **9.5 BCM** in 2018

Estimated consumption will be **16 BCM** in 2020

5.2% now \longrightarrow **10%** in 2020 as primary energy

During the *13th Five Year Plan*, **18** sub-pipeline projects will be built by Zhejiang Energy Group, reaching a total length of **983.5 km**

Total investment will be about **10.9 B Yuan**

All counties (city/district) in Zhejiang Province will be covered by the pipeline network



Conclusion

- ◆ Pipeline gas brought to Zhejiang since 2004, the market is well developed and rapidly growing.
- ◆ "**Multiple gas sources, one pipeline network**" will set sound foundation to the market development.
- ◆ Continuing infrastructure construction that covering all counties sustains the rapid market growth.



GAS FUELS ZHEJIANG

BENEFICIAL TO PEOPLE