

打造万亿级能源化工产业

助推四川经济高质量发展

Build Trillion-level Energy and Chemical Industry Promote High-quality Development of Sichuan Province



四川省经济和信息化委员会 2018/09/11
Sichuan Provincial Economic and Information Commission

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资源丰富、行业齐全，四川石化产业潜力巨大



四川工业经济发展成就

Industrial Economic Development Achievements of Sichuan

起步于“一五”时期 start in 1953—1957

奠基于三线建设 lay foundation in 1964-1980

发展于改革开放 develop from 1978

勃兴于西部大开发 grow vigorously from 2000

1953

1964

1978

2000

2012

2017

2018

十八大后发展进入新常态 “new normal status” from 2012

贯彻十九大提出的制造强国战略 powerful manufacturing country strategy from 2017

工业和信息化高质量发展 high-quality development of industry and information technology from 2018

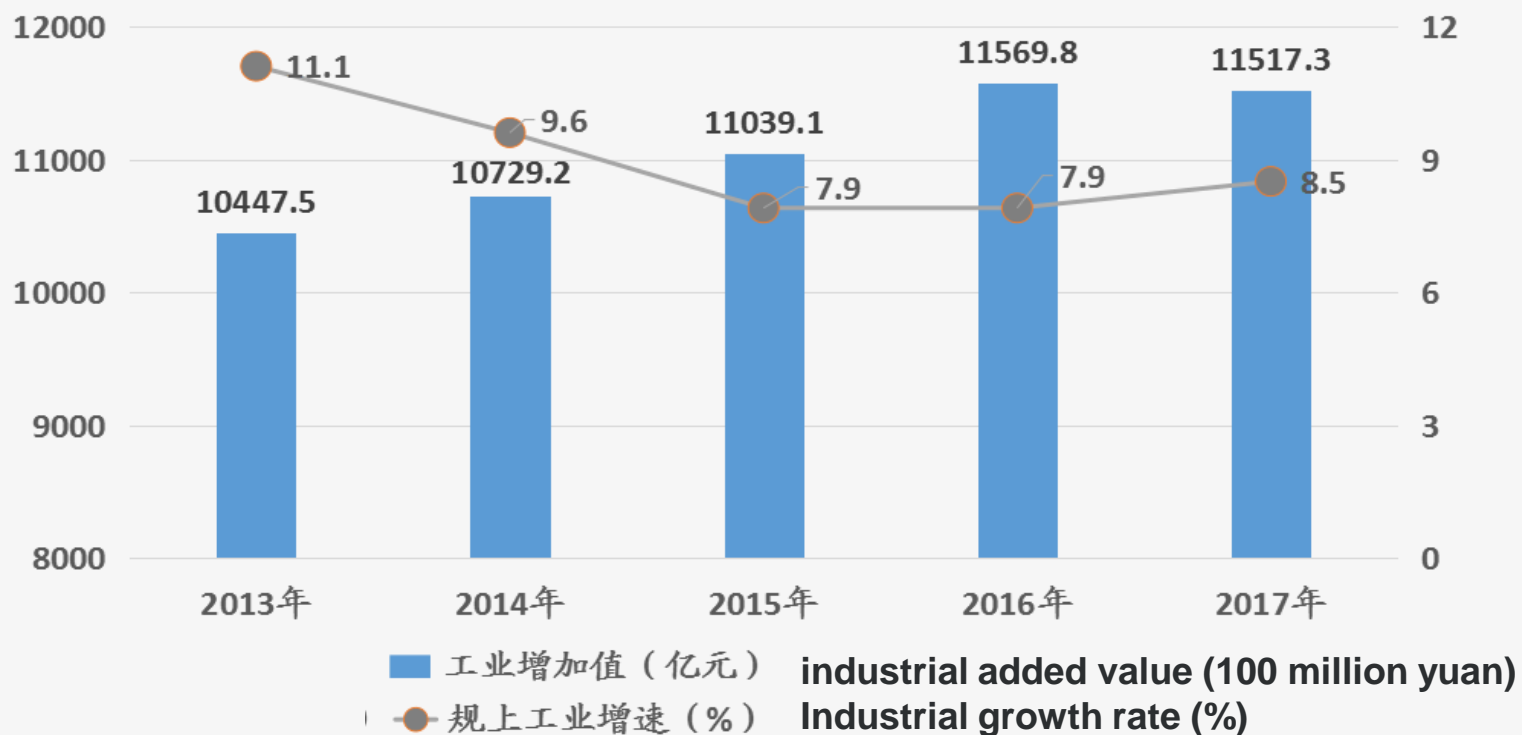


资源丰富、行业齐全，四川石化产业潜力巨大

1

四川工业经济发展成就

Industrial Economic Development Achievements of Sichuan



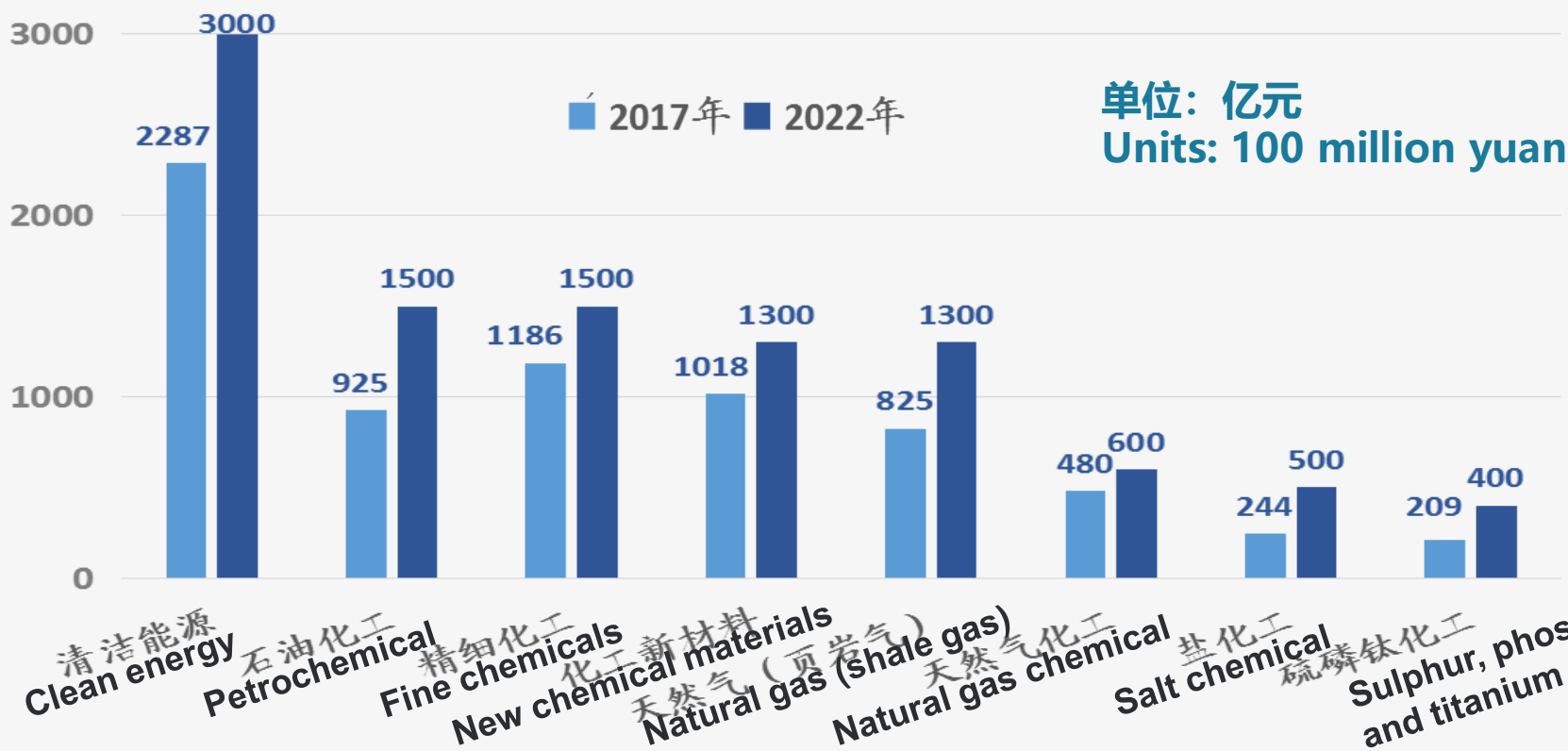


资源丰富、行业齐全，四川石化产业潜力巨大

2

石化产业增长迅速、潜力巨大

The petrochemical industry is growing rapidly and has great potential





资源丰富、行业齐全，四川石化产业潜力巨大

3

石化产业资源丰富、产业体系完善

The petrochemical industry is rich in resources and the complete in industrial chain

资源丰富

Abundant resources

- 四川天然气资源总量约43万亿立方米，居全国之首。2017年天然气（页岩气）产量350亿立方米，居全国第2。
- Total natural gas in Sichuan is about 43 trillion m³, ranking 1st in China. The output of natural gas (shale gas) was 35 billion m³ in 2017, ranking 2nd in China.

体系完善

Complete system

- 形成了以天然气化工、盐化工、石油化工和精细化工等为主体的化工产业体系。
- An industrial system formed by natural gas chemical industry, salt chemical industry, petrochemical industry and fine chemical industry, etc.



资源丰富、行业齐全，四川石化产业潜力巨大

3

石化产业资源丰富、产业体系完善

The petrochemical industry is rich in resources and the complete in industrial chain

研发能力

R&D
capacity

- 四川拥有四川大学、电子科技大学、西南石油大学等高校，中科院成都有机所、中物院化工材料研究所、西南化工研究设计院等科研单位，具有较强的科研实力和技术转化能力。
- R&D institutions: SCU, UESTC, SWPU, CBCAS, ICM-CAEP, SWRChem etc.

产业园区

Industrial
parks

- 已建成成都石化基地、南充石化基地、乐山盐磷化工集中发展区、眉山金象化工园区等一大批具有发展前景的石化产业园区。
- Industrial parks: Chengdu Petrochemical Base, Nanchong Petrochemical Base, Leshan Salt Phosphorus Chemical Development Zone, Meishan Jinxiang Chemical Park, etc.

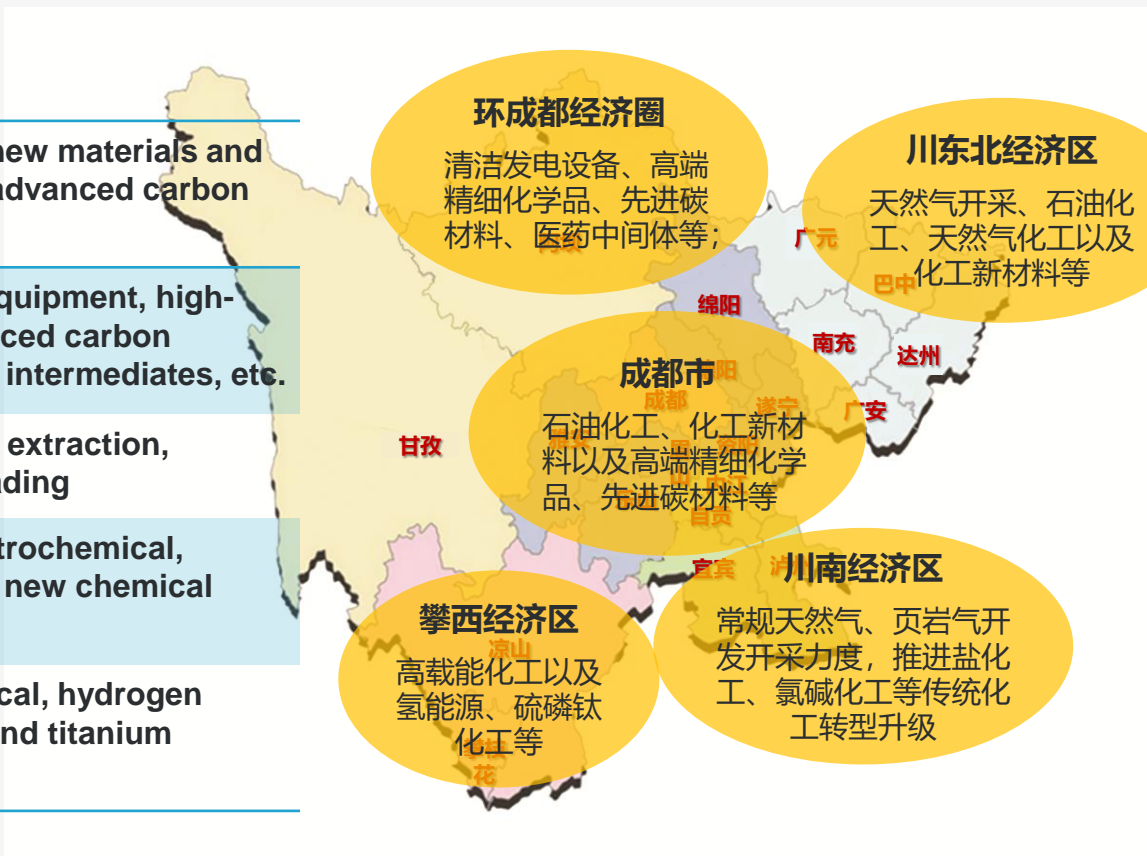


优化布局、培育产业，推动四川石化产业高质量发展

1

优化产业布局 Optimize industrial layout

Chengdu	Petrochemical, chemical new materials and high-end fine chemicals, advanced carbon materials, etc.
Chengdu Economic Circle	Clean power generation equipment, high-end fine chemicals, advanced carbon materials, pharmaceutical intermediates, etc.
Southern Sichuan Economic Zone	Natural gas and shale gas extraction, traditional chemical upgrading
Northeast Sichuan Economic Zone	Natural gas extraction, petrochemical, natural gas chemical, and new chemical materials
Panzhihua-Xichang Economic Zone	Energy-consuming chemical, hydrogen yielding, sulfur, titanium and titanium chemicals





优化布局、培育产业，推动四川石化产业高质量发展



培育产业发展 Cultivate petrochemical industry



改造提升传统产业

Upgrade traditional industries

高附加值产品生产、产业技术升级、绿色发展。

High value products yielding, industrial technology upgrade, promote cleaner production.



着力发展化工新材料产业

Develop new chemical materials industry

有机硅材料、有机氟材料、热塑性聚酯 (PCT) 材料, 石墨烯、碳纤维及复合材料等。

Organic silicone material, organic fluorine material, PCT, graphene, carbon fiber and composite materials.



培育壮大精细化学品产业

Cultivate fine chemicals industry

重点发展电子化学品、油田化学品、橡胶助剂及橡胶加工产品等。

Electronic chemicals, oilfield chemicals, rubber additives and rubber products, etc.



优化布局、培育产业，推动四川石化产业高质量发展

3

改善产业环境 Improve the industrial environment

税收优惠、“放管服”改革

Tax incentives, simplify administration and optimize service

产业园区建设 Industrial parks construction

产业金融体系建设 Finance promoting petrochemical industry

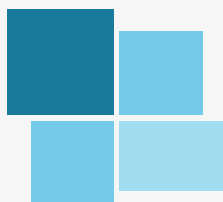
建立机制、完善生态，将能源化工打造为四川万亿级支柱产业

1 建立产业协同推进机制 Establish an industrial synergy mechanism



建立机制、完善生态，将能源化工打造为四川万亿级支柱产业

2 推动产业全面开放合作 Promote industrial collaboration



加强国际合作：“一带一路”发展战略，国际产能合作，鼓励省内企业走出去。

International cooperation: “One Belt, One Road” strategy, international capacity cooperation.

深化区域合作：长江经济带发展战略。

Regional cooperation: The Yangtze River Economic Belt strategy.

建立机制、完善生态，将能源化工打造为四川万亿级支柱产业

3

激励创新和保障人才

Inspire innovation and Guarantee human resources

激励创新

- 推动资本与创新相结合，鼓励和支持企业加大科技投入。
- 鼓励和支持企业创建**制造业创新中心、重点实验室、研发（工程）中心**等。

Inspire innovation

- Promote the combination of capital and innovation, encourage enterprises to increase investment in R&D.
- Encourage enterprises to establish **manufacturing innovation centers, key laboratories, R&D (engineering) centers, etc.**

激励创新和保障人才

Inspire innovation and Guarantee human resources

保障人才

- 引进培育**创新型领军人才、复合型管理人才**。
- 推动企业与院校联合培养企业急需**应用型技术人才**。
- 创新人才激励机制，提高科技创新的积极性。

Guarantee human resources

- Bring in **innovative leading talents** and **management talents**.
- Promote the joint training of enterprises and institutions to cultivate **skilled workers**.
- Innovate talent incentive mechanism.

谢谢!



Thanks for your attention!