



打造绿色石化 建设生态园区

Building Green Petrochemical Industry
Building Ecological Park

宁波石化经济技术开发区管委会 徐文华

Administrative Committee of Ningbo Petrochemical Economic &
Technological Development Zone
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Brief Introduction of NPETD

中国七大石化基地

Seven Petrochemical Bases in China



园区发展历程

Development history



园区核心企业 Core in-zone companies



中石化镇海炼化分公司——技术先进、具有国际竞争力的世界级炼化基地

SINOPEC ZRCC——World-class oil refinery & ethylene production base



宁波中金石化有限公司——技术先进、流程独创、单系列规模居世界首位的芳烃生产企业

Ningbo Zhongjin Petrochemical——World largest single series aromatic production company with advanced technology and unique created process



宁波富德能源有限公司——全国首家以外购甲醇为原料运用MTO技术生产烯烃的企业

Ningbo Fund Energy——National first Olefin manufacture use purchased methanol as raw material and MTO technology

园区细分行业龙头企业

Subdivision industry leading companies



宁波乐金甬兴化工有限公司——亚洲最大的ABS生产基地

Ningbo LG Yongxing Chemical——Largest ABS base in Asia



朗盛（宁波）颜料有限公司——国际领先的无机颜料生产商

LANXESS (Ningbo) —World leading inorganic pigments manufacture



恒河材料科技股份有限公司——氢化树脂设计产量位列世界第三

Henghe Material Science & Technology—No. 3 hydrogenated resin producer in the world

园区细分行业龙头企业

Subdivision industry leading companies



阿克苏诺贝尔宁波多元化基地——亚洲最大的功能化学品生产基地

AKZO NOBEL Ningbo Multi-site——Largest functional chemicals production base in Asia



道达尔石化（宁波）有限公司——国内主要高抗冲聚苯乙烯生产企业

Total Petrochemical (Ningbo) ——Leading in impact resistance PS production field in China



宁波镇海炼化利安德化学有限公司——拥有全球最大的环氧丙烷/苯乙烯生产装置

Ningbo ZRCC Lyondell Chemical——With world largest PO/SM device in the company

园区细分行业龙头企业

Subdivision industry leading companies



宁波爱思开合成橡胶有限公司——国内主要的乙丙橡胶生产企业之一

Ningbo SK Synthetic Rubber——One of main ethylene propylene rubber production companies in China



宁波德泰化学有限公司——炭黑产品质量和技术属于国内一流和国际先进水平

Ningbo Detai Chemical —— Carbon black products with domestic first-class and international advanced level quality and technology



宁波龙欣精细化工有限公司——新龙欣品牌系全球知名透明染料制造商和创新领导者

Ningbo Longxin Fine Chemical —— World renowned transparent dye manufacturer and innovation leader for Longxin new brand

园区品牌

Park brand



◆ 国家级新材料产业基地

National New Materials Industry Base

◆ 国家新型工业化产业示范基地

National New Industrialization Demonstration Base

◆ 化工新材料高新技术产业化基地

Chemical New Material High-tech Industrialization Base

◆ 国家循环化改造示范试点园区

National Circulation Reform Demonstration Pilot Zone

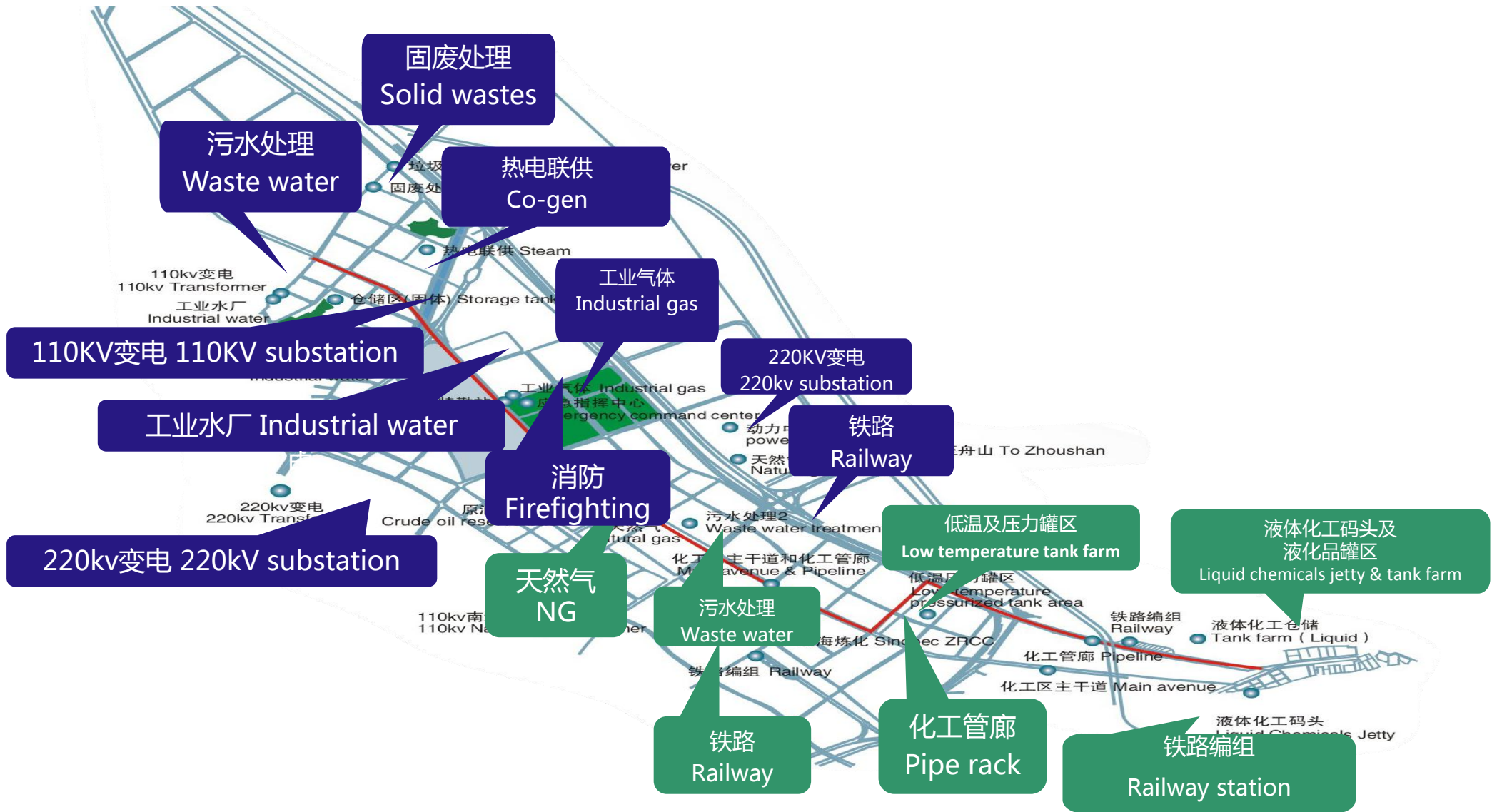
◆ 全国第一批绿色园区

Listed in China's first batch of green parks

是国内唯一一家同时获得以上称号的石化园区

unique petrochemical park in China owns the above nominations simultaneously

基础设施配套 Infrastructures



统一可靠的供水体系

Integrated reliable water supply system



园区拥有两条独立供水管网,在辖区内形成闭环,是国内供水安全可靠性的最高园区; 一期年供水量10万吨,二期将利用岚山水库、解浦大河、九龙湖十字路水库的淡水资源,年供水量可达20-30万吨。

- Two independent water pipelines form a closed cycle in the park, which could ensure highest water supply security
- 100kt annually for the first phase and 200-300kt annually for the second phase with sufficient water resource from Lanshan water reservoir, Xiepu river and Jiulong lake crossway water reservoir



统一稳定的集中供热

Integrated reliable steam



园区内现有3个公用热源点和1个自备热源点，向园区企业供热达1200吨/小时。

There are presently 3 public steam resources and 1 self-reserved steam resource which provide 1200ton/h for in-zone enterprises.

远期将改扩建热源点，并逐步引进清洁能源。

All the steam resources will be modified or expanded, and will bring clean energy gradually in the future.



电力、天然气等配套设施能完全满足现有企业的生产需求。

Power, natural gas and other infrastructures could completely meeting the production requirements for in-zone enterprises



园区发展规模 Development scale



这里集聚着80余家化工企业，形成了一个强大的石油化工产业集群，犹如动力充沛的引擎，带动着区域经济的高速发展。

More than 80 chemical companies form a strong petrochemical industrial cluster to boost as a powerful engine for high speed economic development of the district.



园区发展规模 Development scale



2017年园区主要经济指标 Main economical index of NPETD in 2017

- **工业总产值1715亿元，亩均达851.78万元**
171billion RMB industrial output
reaching 8.51 million RMB per Mu
- **工业利税461亿元，亩均达230.79万元**
46.1 billion RMB industrial profit and tax
reaching 2.30 million RMB per Mu
- **工业增加值543亿元，亩均达272.21万元**
54.3 billion RMB industrial added value
reaching 2.72 million RMB per Mu
- **土地集约利用效率位列全国化工园区首位**
ranking first in domestic chemical parks for
intensive land use



园区排名

Park Position



- 在2018年5月中国石油和化工联合会发布的“中国化工园区30强榜单”中，再次位居全国第三。
- NPETD ranks third for “China Chemical industrial Park Top 30 ”issued by CPCIF in May 2018.



落户跨国企业

In-zone Multinational Companies



lyondellbasell



INSPECTORATE

目前，园区有12家跨国企业，其中有8家世界500强企业。

Currently, there are 12 international companies in the park, within 8 enterprises among Fortune 500.

宁波石化经济技术开发区发展愿景

Developing Prospects of NPETD

发展愿景 Developing prospects

建成一个极具竞争力的世界级的绿色石化基地

Building a world-class green petrochemical base full of competitive power



绿色发展 Green development



绿色发展 Green development

争创“两区一标准”

Striving for “Two areas and one standard”

◆推动绿色石化园区标准的制订工作

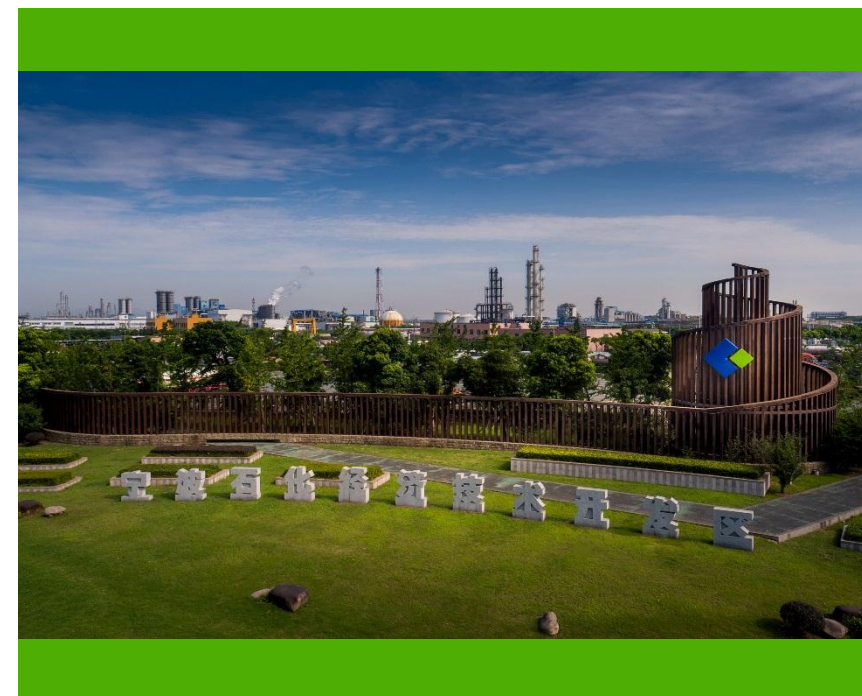
Promote formulating works on green petrochemical park standards

◆成功申报国家质监总局全国绿色石化知名品牌创建示范区

Apply for China green petrochemical famous-brand building demonstration area by State Administration of Quality Supervision

◆入选工信部全国第一批绿色园区名单、全省首家

Be the provincial first to listed in China' s first batch of green parks by Ministry of Industry and Information Technology



对标发展 Benchmarking development

新加坡裕廊岛 Jurong Island

目前是全球最大的炼油中心之一，占地约70平方公里。3家炼油厂，埃克森美孚、壳牌、BP，炼油能力6500万吨，乙烯能力630万吨，精细化工率65%左右。入驻巴斯夫、BP塞拉尼斯、埃克森美孚、杜邦、三井化学、雪佛龙德士古、壳牌、住友化学等世界化工巨头。

One of the largest oil refinery centers in the world with the area of 70 km². Combined Exxon Mobil, Shell and BP, oil refinery capacity has reached 65 million ton, ethylene capacity has reached 6.3 million ton and fine chemicals has occupied around 65%.

BASF, BP Celanese, Exxon Mobil, DuPont, Mitsui Chemicals, ChevronTexaco, Shell, Sumitomo and other famous chemical companies in the world have located in the park.



对标发展 Benchmarking development

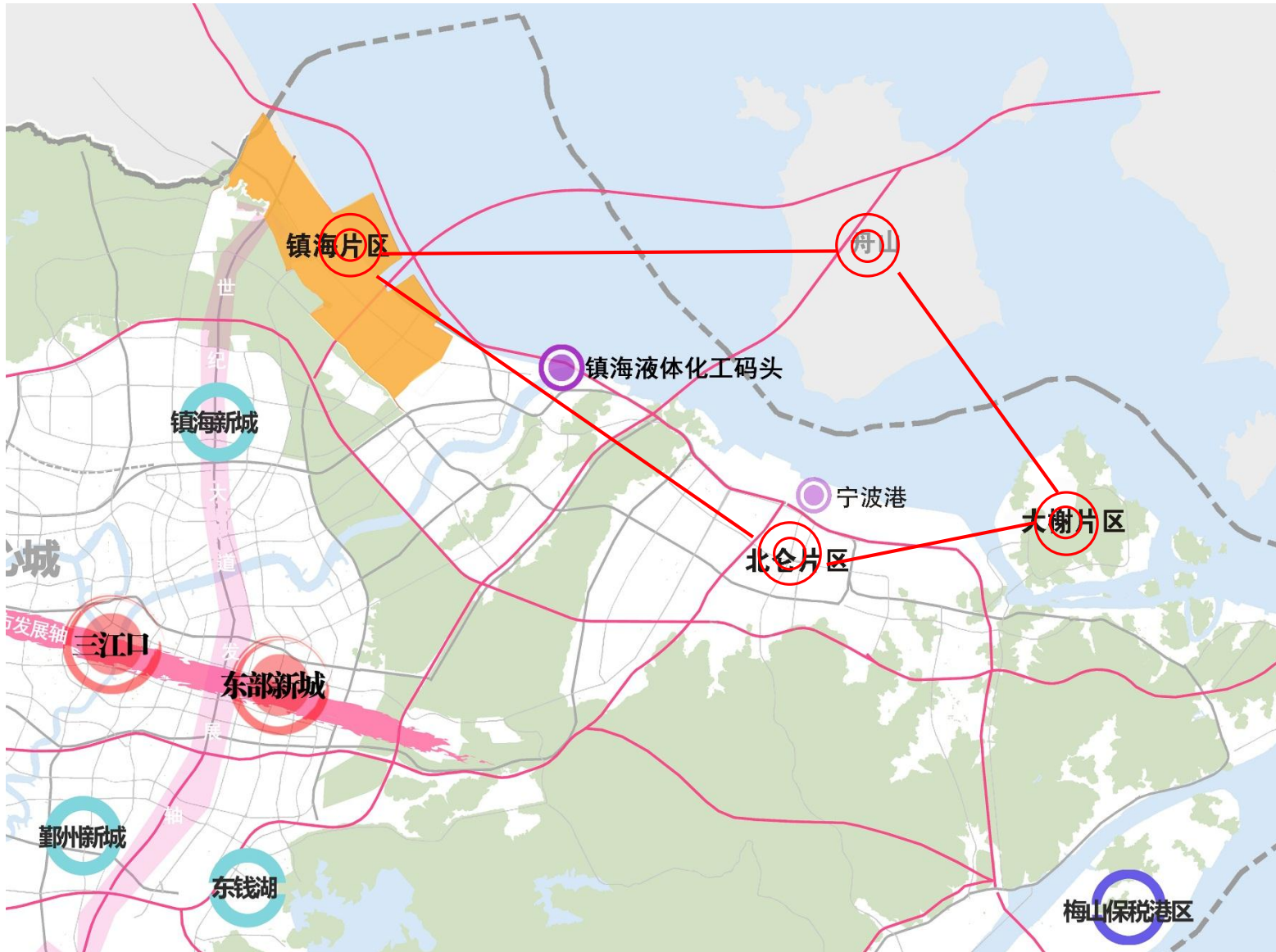
荷兰鹿特丹 Rotterdam

欧洲最大的炼油基地。石油精炼和石油化工是鹿特丹临港工业中的主导产业。年炼油能力达1亿吨，乙烯产能约200万吨，精细化工率65%左右。6家炼油厂包括4家世界级精炼厂，代表企业有埃克森美孚、壳牌、BP等。40多家石油化工公司，包括帝斯曼、壳牌、阿克苏诺贝尔。

It is the largest oil refinery base in Europe. Oil refinery and petrochemical industry are the leading industry in Rotterdam with oil refining capacity of 100 million ton, ethylene capacity of 2 million ton and fine chemicals occupying around 65%. Within 6 oil refinery plants, there are 4 world-class companies, including Exxon Mobil, Shell, BP and etc. There are more than 40 petrochemical companies, including DSM, Shell, AkzoNobel and etc.



融合发展 Integrative development



- **“泛甬三角” 将成为中国绿色石化示范区**
- "Cover Ningbo Delta" will become China green petrochemical demonstration area in the future
- **环杭州湾产业发展新的支撑点**
- New supporting spot for Hangzhou bay industry development

融合发展 Integrative development



- 2017年宁波汽车制造业总产值占比14.85% 增加值占比9.67%；石化行业（石油加工+化学原料）总产值占比19.13%，增加值占比11.13%。汽车制造业和石油化工产业已成为宁波市两大支柱产业。
- 如何促使两大产业的融合发展，成为“中国制造2025”的亮点，为环杭州湾经济圈提供产业支撑。
- In 2017, the automobile manufacturing industry accounted for 14.85% of the total value, and the added value accounted for 9.67%; petrochemical industry (petroleum processing+chemical raw materials) accounted for 19.13%, and the added value accounted for 11.13%. The automobile manufacturing industry and petrochemical industry had already become pillar industry in Ningbo.
- How to promote the integrative development of the two industries, to become the highlight of “Made in China 2025” and to provide industry support for Hangzhou bay economic circle.



融合发展 Integrative development



- 发达国家是把汽车用塑料量的多少作为衡量汽车设计和制造水平的重要标志。德国在塑料和复合材料汽车上的用量超过300公斤，中国仅90-110公斤。到2020年，发达国家汽车平均用的塑料量可能到500公斤以上。
- 2017年全市595家汽车制造业规上企业完成工业总产值首破2000亿元，达2355.9亿元，同比增长21.2%，占全省汽车制造业规上总产值的47.6%。
- Developed countries use the amount of plastic in vehicle as an important indicator of vehicle design and manufacturing. Germany uses more than 300 kg of plastic and composite materials, as China only 90 to 110 kg. By 2020, average vehicle plastic usage in developed countries will be more than 500 kg.
- In 2017, the total industrial output value of 595 automobile manufacturers in the whole city exceeded 200 billion yuan, reaching 235.59 billion yuan, up by 21.2% year on year, accounting for 47.6% of the total output value of the automobile manufacturing industry in the province.





谢谢！
Thank you!