



SASOL
reaching new frontiers



Welcome to Sasol...

“We are confident that Sasol’ successful experience in transforming the energy landscape in South Africa can be replicated in other parts of the world.”

我们坚信沙索对南非能源状况的成功转变可以在世界上任何地方复制





Sasol at a glance 沙索概览

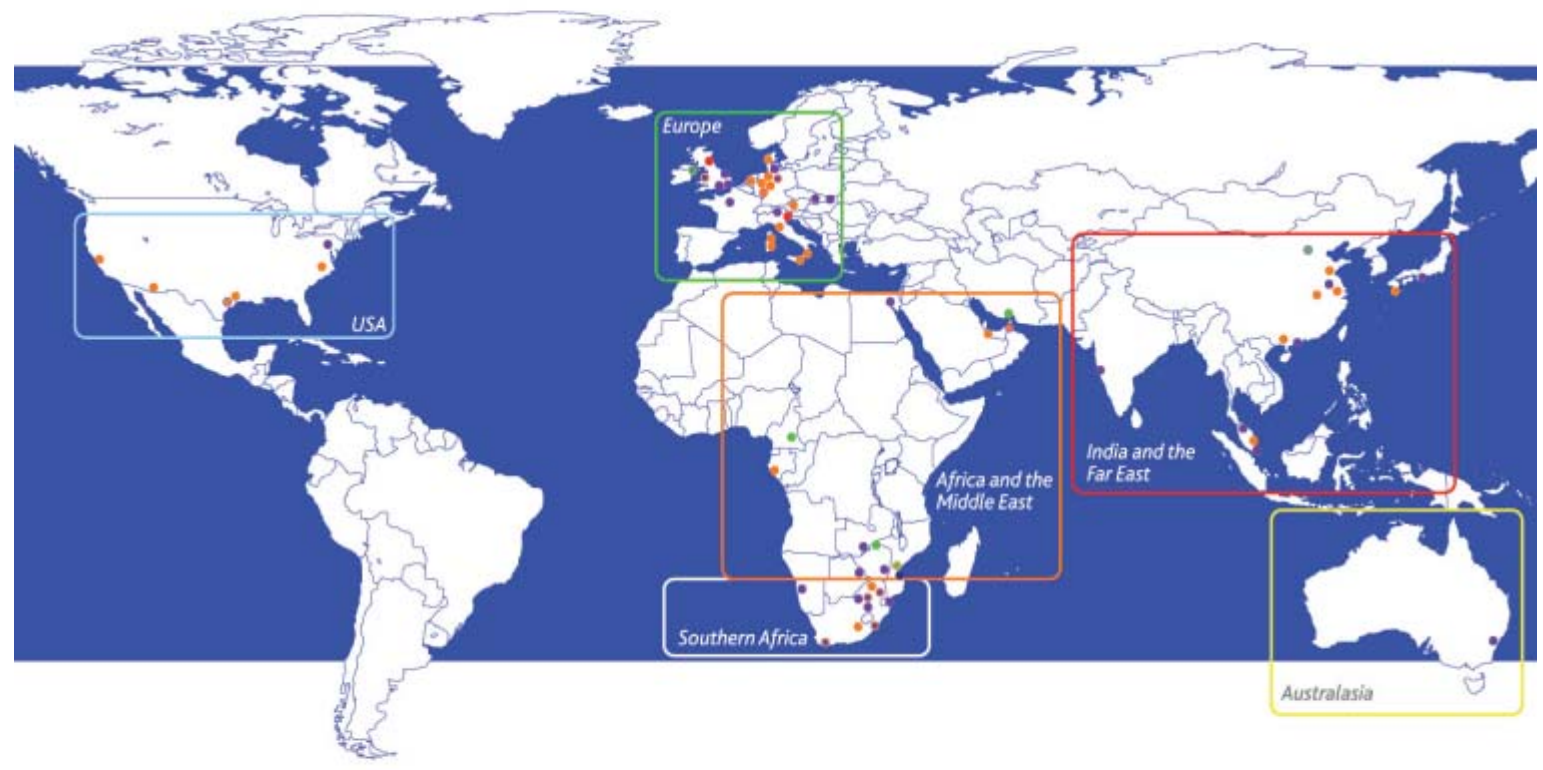
- A family of diverse businesses with almost 50 entities in Africa, Asia, Australasia, Europe and the Americas.
由约50个业务单位组成的多元业务遍及非洲，亚洲，澳洲，欧洲和美洲
- Manufactures more than 200 fuel and chemical products that are sold worldwide.
生产200多种燃料及化工产品并销售到世界各地
- Listed on JSE and NYSE
在南非约翰内斯堡和美国纽约证交所上市
- Supplies more than 27% of South Africa's liquid fuel needs from coal
煤制油技术满足了南非27%的燃油需求
- Produced more than 1.5 billion barrels of oil from coal
已通过煤制油生产了15亿桶燃料





Sasol also has a significant international reach
沙索业务也拓展至全球各地

Global Activities 全球业务概览



Key to map ● Manufacturing/production ● Main office ● Exploration ● Project ● Research



Why CTL in China 为什么在中国开展煤制油业务





China and Sasol- a Perfect Partnership 中国和沙索-完美合作伙伴

China abundant Hydrocarbon reserves
中国有丰富的**煤碳**资源储备

Drive for cleaner transportation fuels
中国有对清洁交通燃料的需求

Need for energy security
中国有对能源安全的需求

Resource monetisation diversification
中国有对资源价值多元化的需求

+



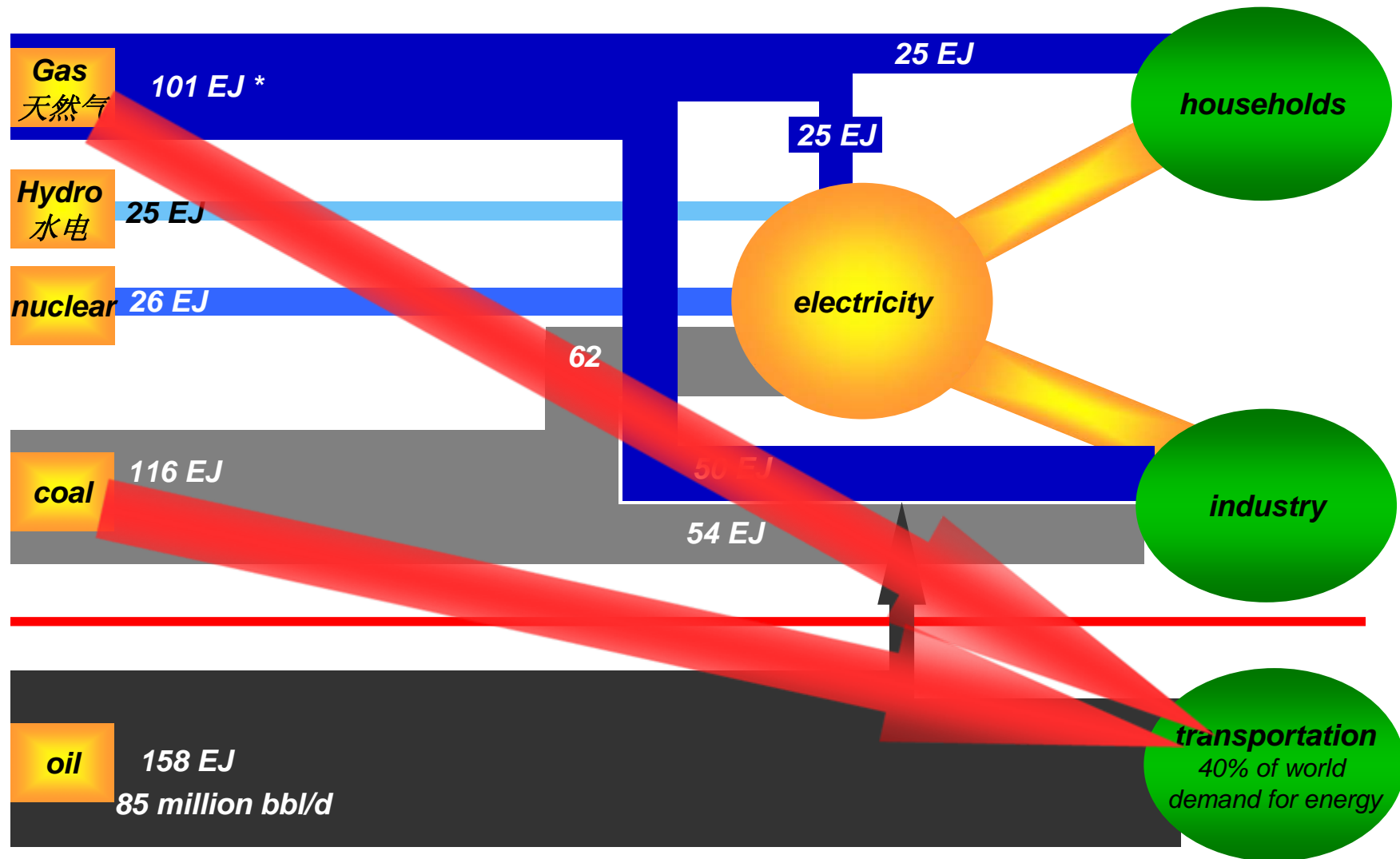
Sasol's technology and operating experience
沙索拥有专有成熟的技术及多年成功运营的经验

In country win-win Solutions
双赢

Sasol's proven technology and operating experience provides energy security and resource monetisation alternatives for China
沙索成熟技术和运营经验为中国提供了能源安全和资源替代物



The opportunity- 煤制油的商机



* EJ = Exajoules = 10^{18} Joules

Sources: Energy Information Administration & BP Statistical Review of World Energy 2006



What is the scale of the project 项目规模

- 4 Million tons p.a. of world class fuel - 75 % diesel and balance naphtha and LPG
年产400万吨高品质油品，其中75%柴油，余下为石脑油和LPG
- Plant operating staff of 2050 permanent employees
2 050名工厂运营员工
- Construction labour force in excess of 20 000 workers
项目建造期将起用超过20 000名工人



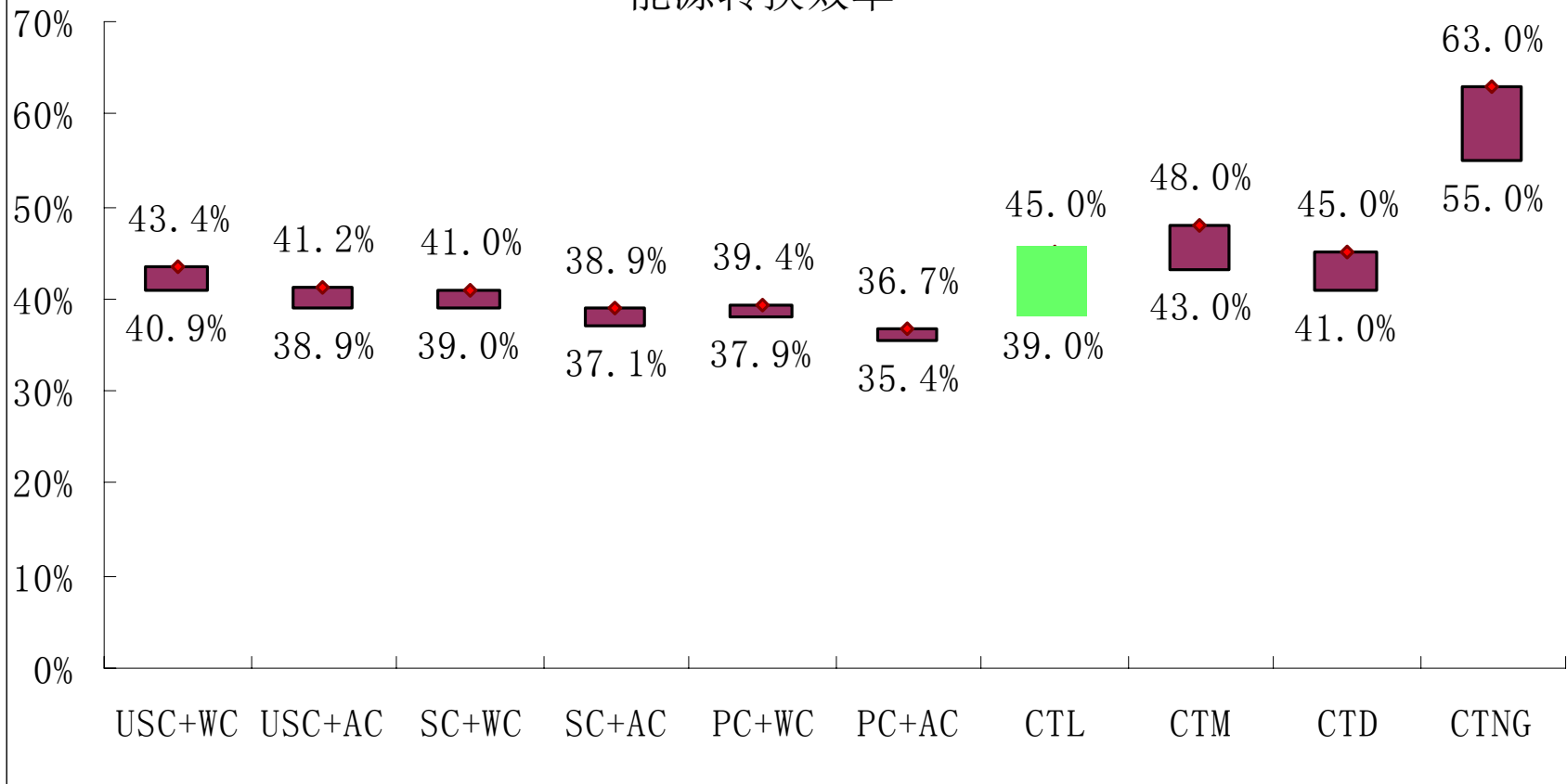


Coal Conversion Routes Comparison

各煤转化路径比较

Energy conversion efficiency

能源转换效率

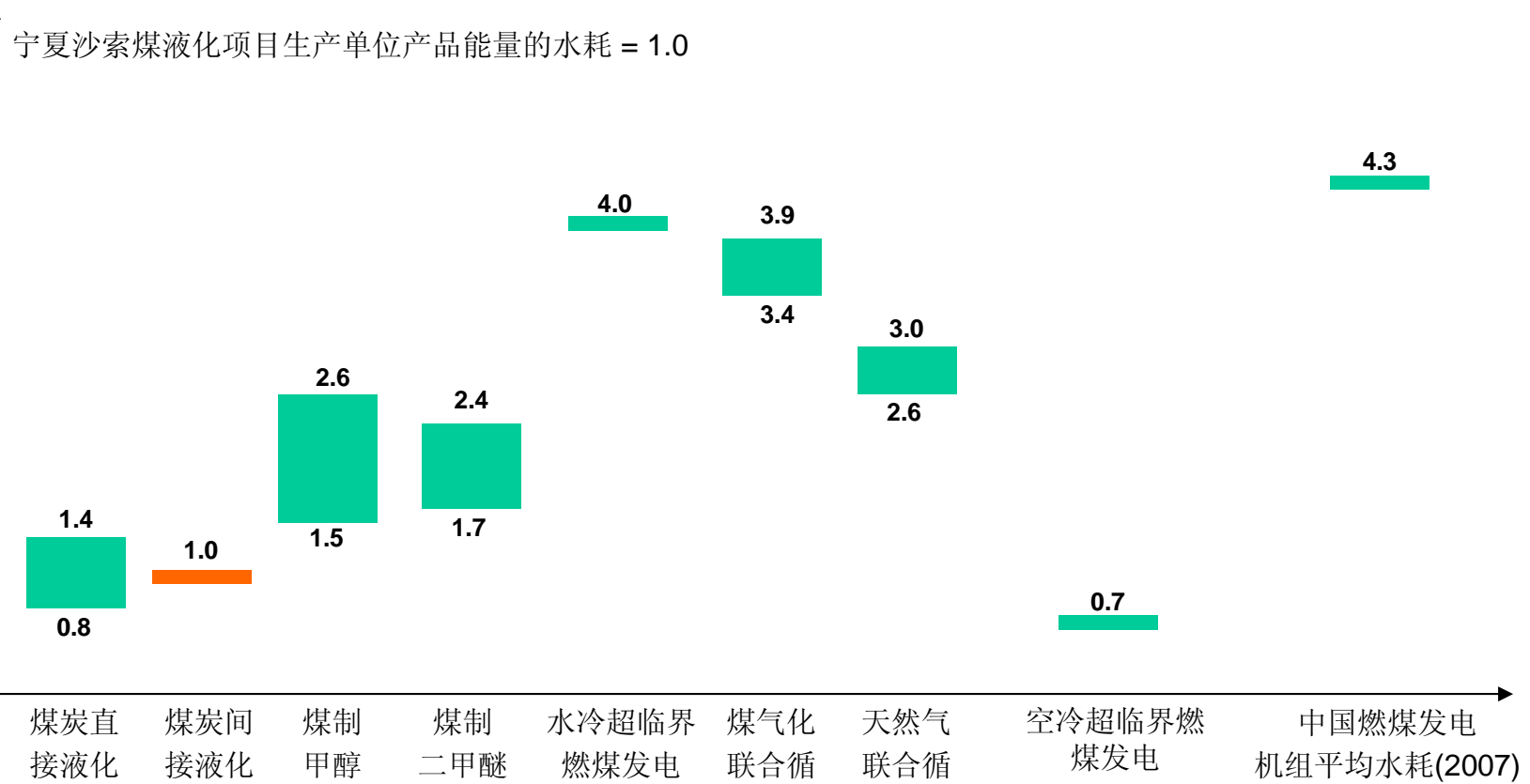


超超临界+水冷 超超临界+空冷 超临界+水冷 超临界+空冷 亚临界+水冷 亚临界+空冷 间接煤制油 煤制甲醇 煤制二甲醚 煤制天然气



Coal Conversion Routes Comparison

各煤转化路径比较

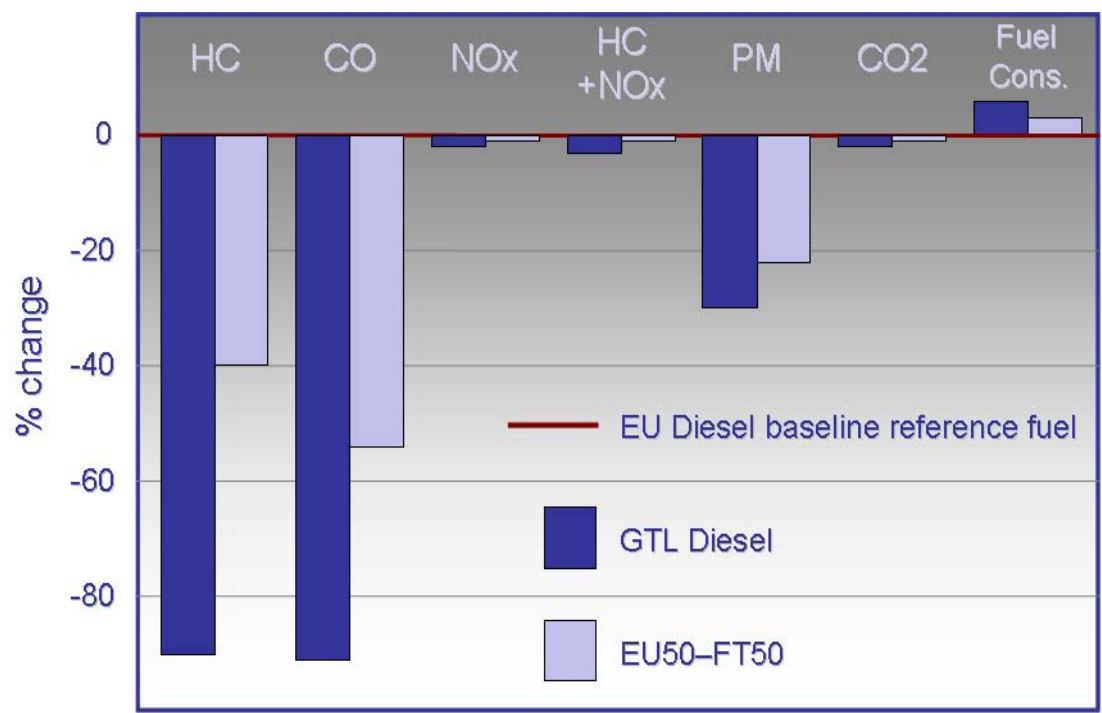


资料来源：煤炭科学院, Cartac-GM WTW 报告
美国能源部, 美国环境保护总署, 沙索



World class fuel - meet or exceed Euro 5 specifications

世界级燃料—达到或超过欧5标准



Results from passenger engine trials with Daimler Chrysler





FT fuels burns cleanly – engine oil comparison

费托燃料洁净燃烧—发动机油比较

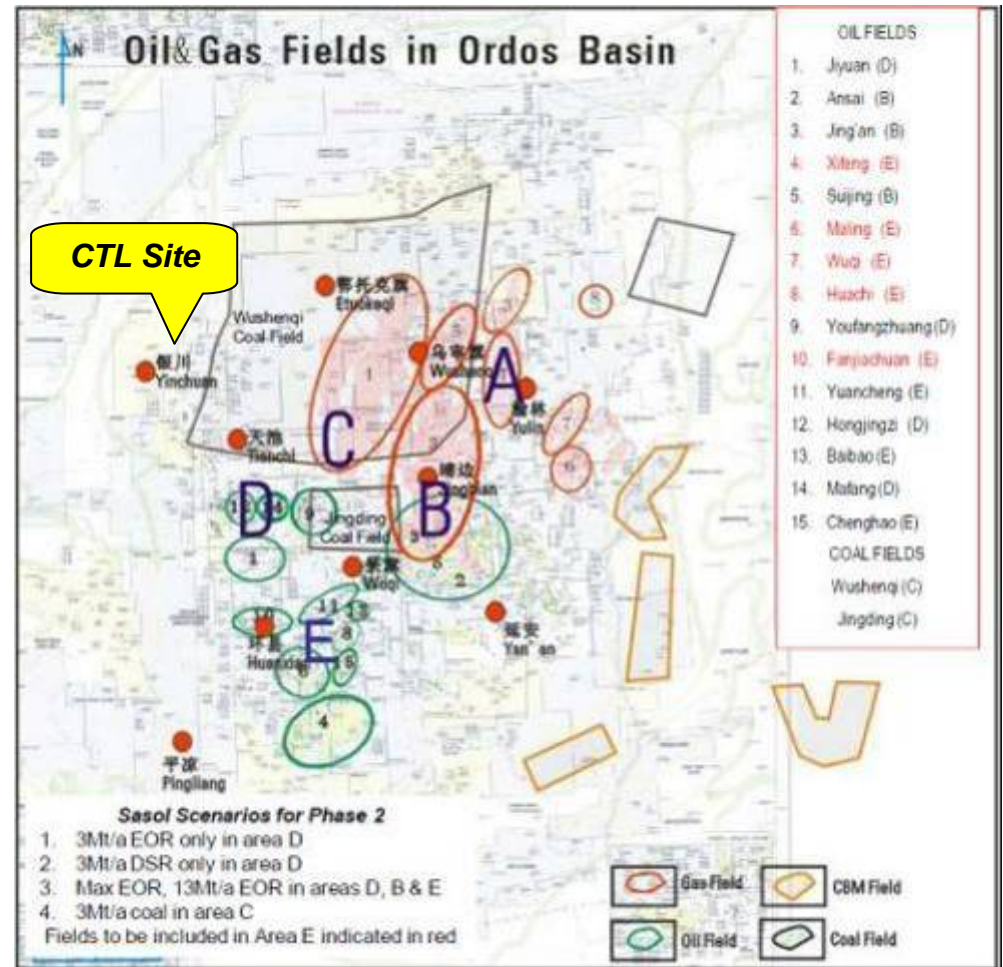




Sasol committed to reduce CO₂ emissions

沙索致力于降低二氧化碳排放

- Plant will be CO₂ capture ready
工厂设计为二氧化碳即可捕捉
- Specific CO₂ reduction targets for 2020 and 2030
二氧化碳2020年（与2005年比减排20%）和2030年减排目标（与2005年比减排30%）
- Carbon storage and Enhanced Oil Recovery being investigated in vicinity of CTL plant
在煤制油工厂周边区域寻找二氧化碳蓄存和驱油机会



Corporate Social Investment



Southern Africa Development
Community Diplomatic Women's
Association in Beijing (SADCDWAB)

