



# Current Situation and Prospect of Coal Industry in China

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Vice President of China National Coal Association

August 6



**China National Coal Association**

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**On behalf of China National Coal Association,  
I would like to extend heartfelt congratulations on  
the opening of Thirty-Third International Pittsburgh  
Coal Conference, and sincere gratitude to  
the organizing committee.**

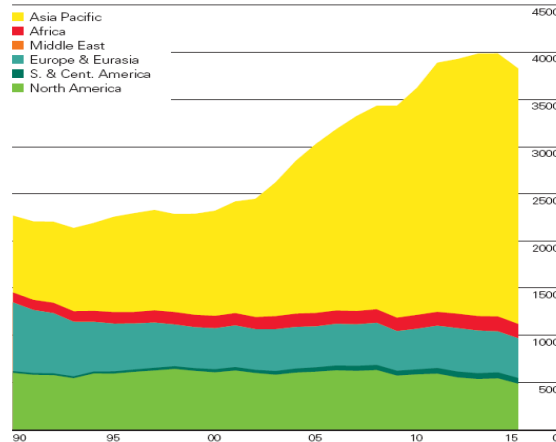




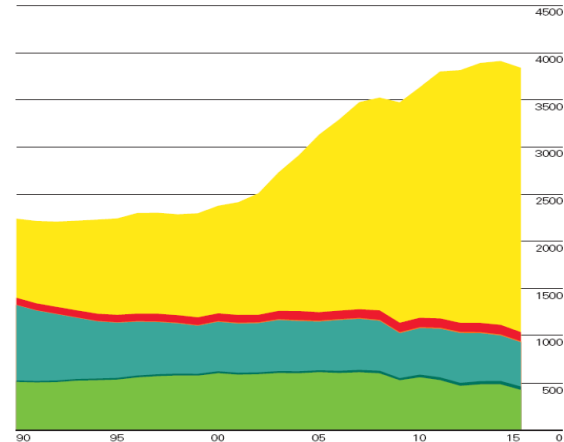
Over the past ten years, remarkable changes have taken place in the international coal industry.

Great progress and development has been made in aspects of coal science and technology, work safety, occupational health, clean utilization, etc.

**Coal: Production by region**  
Million tonnes oil equivalent



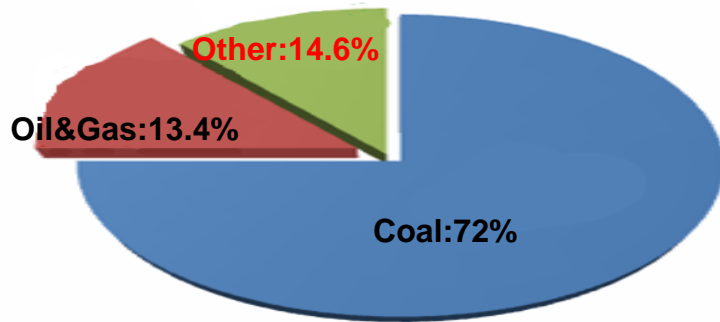
**Coal: Consumption by region**  
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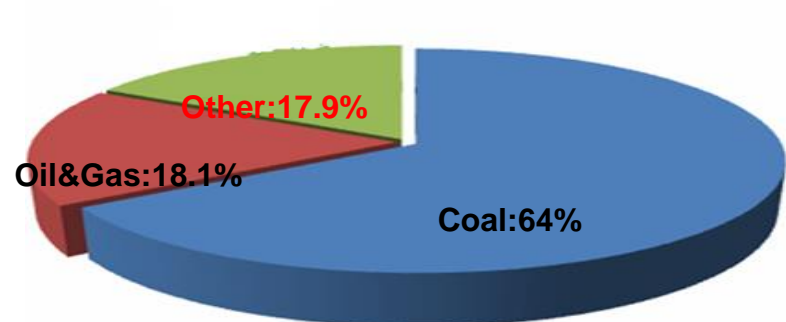


Coal accounts for 72% in primary energy production and 64% in consumption in China.

As the world's largest coal producing and consuming country, China's coal production and consumption account for 47% and 50%, respectively, of the world, increased by 16% and 18% compared with 2002.



China Energy Production Pie Chart 2015

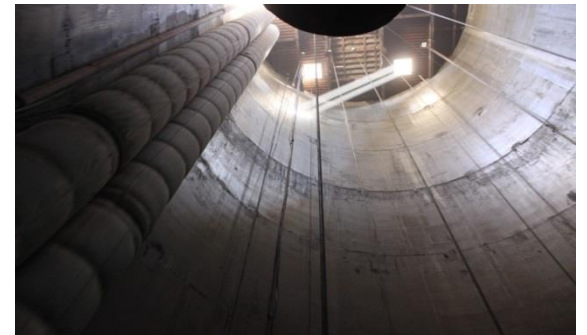


China Energy Consumption Pie Chart 2015



## 1. Development and construction of coal resources

Special drilling technology and equipment such as freezing shaft sinking, borehole mining and grouting have made breakthroughs, providing technical support for the construction of large-scale modern coal mine.



Freezing shaft sinking

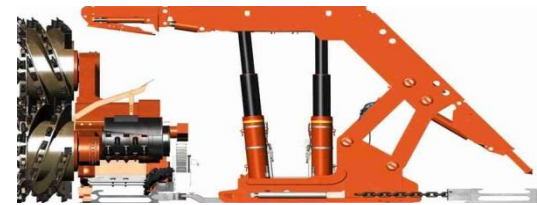
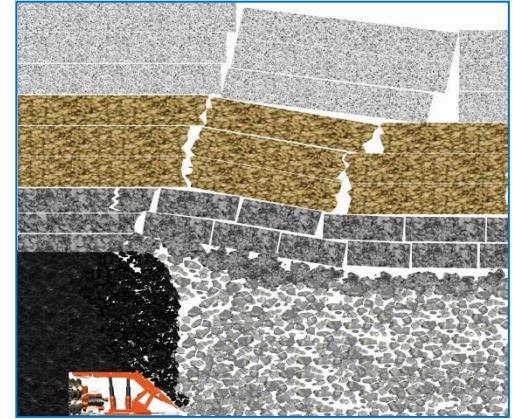


## 2. Safe and high-efficient coal mining

China has successfully developed fully mechanized top-coal caving mining technology at ultra-thick coal seams, partly realized unmanned operation and intelligent production.



Complete set of intelligent mining system



The fully mechanized top-coal caving mining technology at ultra-thick coal seams





Coal to MEG

### 3. Clean and high-efficient utilization of Coal

Nearly 90 million kilowatts of large coal-fired units have now adopted ultra low emission technology; Modern coal chemical technology and processes such as coal liquefaction, coal to olefin, coal to Monoethylene glycol (MEG), coal to methyl ether have made breakthroughs.



Direct Coal Liquefaction of Shenhua Group



Indirect Coal Liquefaction of Yankuang Group



Tashan Coal Mine of Datong Coal Mine Group

## 4. Ecological mining area construction

Many mining areas including Tashan Coal Mine of Datong Coal Mine Group, Shanxi Coking Coal Group have built large Circular Economy Parks with comprehensive utilization of resources and environmental protection.



Circular Economy Park of Shanxi Coking Coal Group







## **5. Resolving problem of overcapacity, achieving transformation and upgrading**

**The Chinese government attaches great importance to the healthy development of coal industry.**

**China has promulgated a series of policies and measures to promote coal industry to resolve the problem of overcapacity and achieve turnaround development.**





## 6. Ultra-low emission of coal-fired power generation

In order to control air pollution caused by coal-fired power, China not only carries out the strictest emission standard of air pollutants for thermal power plants, but also has made provisions that the emission of all thermal power plant must implement emission standard for natural gas power plants by 2020.



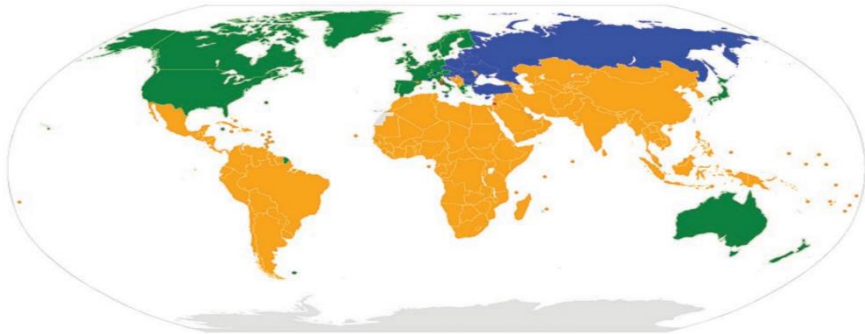
Ultra-low emission of thermal power plant in China





## 7. Promoting international exchanges and cooperation, improving level of opening up

We will promote the cooperation of capacity, technology and equipment between China and coal producing countries of the One Belt One Road region, expanding the international market space.





## World Coal Association Technology Committee Workshop 2016



Mr. Liang Jiakun, Chairman of World Coal Association  
Technology Committee



President Wang Xianzheng give a speech at workshop





Cooperation between US Mine Safety and Health Administration and China National Coal Association



MOU signed with Brazilian Coal Association

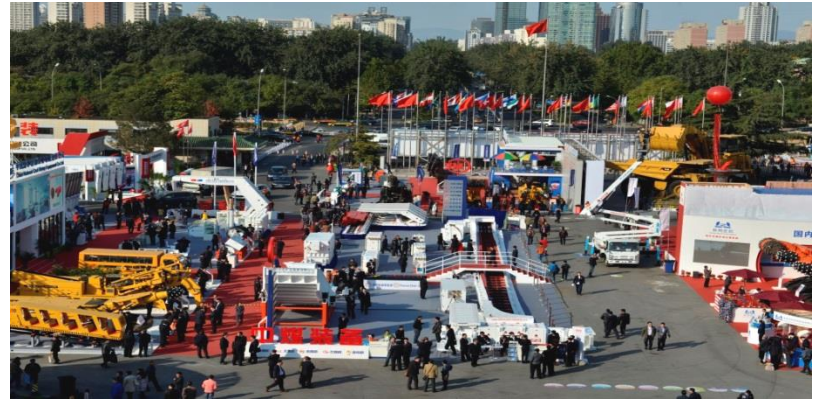




## China National Coal Association



International Coal Summit 2015



The 16<sup>th</sup> China International Coal & Mining Expo

China National Coal Association hopes to strengthen cooperation with the organizing committee of Pittsburgh coal conference, government, NGOs, and enterprises.





**Thank You!**