Turning low-cost coal or natural gas into high-value plastics

Traditionally, plastics are derived from crude oil, but regions rich in coal or natural gas can more cost-effectively meet the growing demand for plastics using these domestic resources, rather than imported crude oil.

Methanol from gasified coal or natural gas can be turned into the components used to make plastics

In the next 5 years, China will invest $100 billion in coal-to-chemicals.*

*According to a 2014 Citi research study, China Coal-to-Chemicals.

Proven fossil fuel reserves worldwide
Coal and natural gas is available almost everywhere in the world.

A case for coal
By converting its coal to methanol for plastics production, China can:

- **REDUCE** dependence on petroleum imports
- **LOWER** exposure to volatile crude prices
- **IMPROVE** employment and economic activity in rural, coal-rich regions

In the next 5 years, China will invest **$100 billion** in coal-to-chemicals*

*According to a 2014 Citi research study, China Coal-to-Chemicals.

Proven technology
9 companies in China have chosen UOP’s Advanced MTO technology, representing an annual capacity of nearly **3.5 million metric tons** of ethylene and propylene.

UOP Advanced MTO technology:
- **Offers the lowest operating cost**
- **Significantly increases yields and feedstock efficiency**
- **AND** nearly double the Return on Investment

Learn more about UOP Advanced MTO technology:
www.uop.com/mto