

## Yulin coal-to-chemicals win

# TRANSF

In May 2008, Dow Chemical and China Shenhua Coal Liquefaction Corporation Limited appointed us as project management contractor for the feasibility study phase of the ground-breaking Yulin coal-to-chemicals mega-project in Shaanxi Province in The People's Republic of China. Our work on this phase is now close to completion.

This innovative project involves the development of a multi-billion dollar world-scale complex, incorporating a coal-to-olefins production plant, multiple downstream chemical production units, associated utilities and the infrastructure required to provide coal and salt feedstock to, and product shipping from, the site.

For the feasibility study, we undertook a project managing contractor role in an integrated team with both Shenhua and Dow personnel. We also undertook a number of the key technology selection studies and set the basis for the integration of the overall site utilities. In addition, we worked with the Chinese design institutes to develop the feasibility study report required by the Chinese authorities for project approval.

Our role also included the development of an overall cost estimate for final project sanction.

The core of the complex is a world-scale coal-to-olefins plant incorporating coal gasification, syngas-to-methanol, and methanol-to-olefins technologies, and a world-scale chlor-alkali plant. These units will provide the basic feedstock for approximately 20 world-scale chemical derivative units producing a broad range of plastics and chemical products.



*The project team at the kick-off meeting in Shanghai.*



# ORMINING

## CHINA'S COAL

“We have been executing the project from China, combining the in-depth coal-to-liquids, gasification and chemicals expertise of our operations in the UK and Italy with the detailed local knowledge and local project execution track record of our Shanghai operation. This project is a good example of how we can provide a tailor-made solution for our clients, by bringing together the best of our expertise, experience and local knowledge from around the world to deliver a winning combination.”

**Franco Anselmi**  
CEO, Foster Wheeler Asia Pacific