



**Our Milan team has been awarded a contract by ISAB ENERGY, a company belonging to the ERG Group, for engineering, procurement assistance and construction management services for the expansion of the integrated gasification combined cycle (IGCC) complex at the ISAB ENERGY plant, Priolo, Sicily.**

## **BUILDING ON OUR RELATIONSHIP WITH ERG**

**“WE HAVE AWARDED THIS IMPORTANT PROJECT, A KEY INVESTMENT FOR THE ERG GROUP, TO FOSTER WHEELER BECAUSE ITS EXPERTISE IN GASIFICATION TECHNOLOGY AND ITS MANAGEMENT CAPABILITIES ARE RENOWNED WORLD-WIDE.”**

**Prof. Giuseppe Gatti**  
President, ERG Power & Gas

We designed and built, in a joint venture, the original IGCC plant, which transforms refinery residues into synthesis gas. This gas is burned to produce more than 550 MW of electricity. Completed in 2000, this was the first IGCC plant in the world to use asphalt as a feedstock, and has since demonstrated excellent reliability and performance.

As part of the expansion of the IGCC complex, a third gasifier will be added. The new gasifier will use gasification technology licensed by General Electric, which acquired the Texaco technology used in the two existing gasifiers.

Associated facilities will be added to the existing gasifiers and new pressure swing absorption and membrane packages will be installed in order to produce 20,000 nominal cubic metres per hour of hydrogen. With the addition of the third train, the total gasification capacity will be 146.5 tonnes per hour. The project is expected to reach mechanical completion by the second quarter of 2009.

We are extremely pleased to be awarded this project, which allows us to continue to build on our excellent and long-standing relationship with ERG and to consolidate our position as a leading player in gasification technology and IGCC plant design.



*Image: Courtesy of ERG Petroli.*