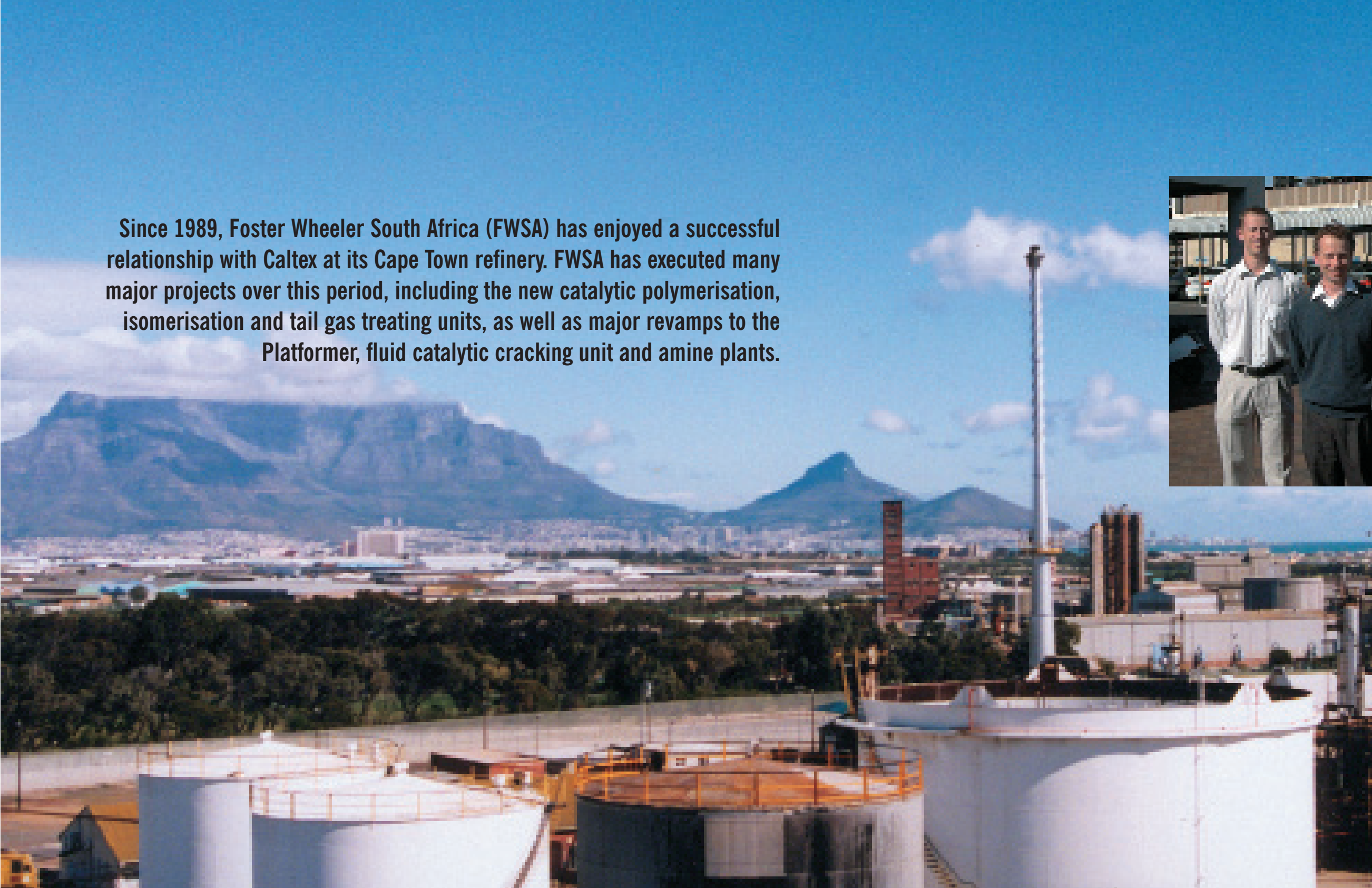


Since 1989, Foster Wheeler South Africa (FWSA) has enjoyed a successful relationship with Caltex at its Cape Town refinery. FWSA has executed many major projects over this period, including the new catalytic polymerisation, isomerisation and tail gas treating units, as well as major revamps to the Platformer, fluid catalytic cracking unit and amine plants.



Left to right: Mark Hellman, project engineering manager, FWSA; Jan Oosthuizen, project manager, Caltex; Christina Nichola, process engineer, FWSA; Ernie Krull, project director, FWSA.



Caltex Clean Fuels

Next phase awarded

Like most countries, clean fuels legislation is being developed in South Africa. Although not finally promulgated, the current 'road map' plans to bring both diesel and gasoline specifications to European levels by 2010.

During 2002, FWSA was approached by Caltex, a ChevronTexaco company, to assist in the conceptual phase of the Product Quality Programme project

relating, in the first instance, to the reduction of sulphur in diesel.

This study is now complete and the preferred option identified for further development by FWSA in the front-end engineering and design phase. The work will be executed in Foster Wheeler's Midrand office and is scheduled for completion in August 2003.

The project comprises new plant and a significant revamp element.

Execution of the project will focus on two key milestones:

- All work necessary to be completed during the planned September 2004 refinery shutdown, including all plant tie-ins, modifications to existing vessels, the routing of all utilities to the battery limit of the new plant, and the demolition of redundant equipment. Photogrammetry will be used to model existing plant in the area.
- The installation of all new plant and equipment by October 2005, to meet the new diesel to market specification by 1 January 2006.