

Sasol Central Processing Facility

Mozambique, Africa



Client

Sasol Technology Pty Ltd

Project CAPEX Value

AUD\$20 - 200 million

Project Scope

Conceptual Study, basic engineering package preparation and detailed design support

Period of Work

September 2005 - August 2007

Project Description

Sasol's Temane gas development is located near Vilanculos in Mozambique. The onshore Central Processing Facility (CPF) was initially designed to supply 122 PJ/annum of conditioned natural gas via pipeline to consumers in Mozambique and South Africa and to process the associated condensate for export by road tanker.

Late 2005, Uhde Shedden, together with its affiliate Uhde South Africa, undertook the work to increase the capacity to 183 PJ/annum. The expansion included additional gas processing including, TEG dehydration, dew point control, HP compression and fiscal metering as well as condensate stabilisation storage facilities and upgrade of utilities as necessary. The increased gas processing rate was to be maintained by production of new reserves from the Pande field. The project also included the installation of a new slugcatcher to accommodate fluids arriving from the new pipeline. A dynamic model of the pipeline and a flow assurance study were also performed.

Early 2007 additional engineering design was undertaken to allow for an additional 400 bbl/d of condensate reserves to be produced from the Inhassoro field. The design for the expansion included new inlet facilities, an additional condensate stabilisation train, flash gas recompression and new condensate storage and load out facilities.

Also in 2007 following the earlier expansion of the Central Processing Facility (CPF) to 183 PJ/annum, increased demand provided the opportunity to further expand to 240 - 300 PJ/annum. Several options were identified to allow for the expansion to meet market demands.