

Sasol Secunda Growth Programme

Secunda, South Africa



Client

Sasol Technology Pty Ltd

Project Scope

Pre-feasibility, Feasibility and Basic Development

Period of work

November 2007 - End 2011

Project Description

SASOL's Secunda Growth Programme is based in the Coal to Liquids complex at Secunda, Republic of South Africa. The refinery within the complex is developing a suite of significant projects to firstly expand to handle higher volumes and secondly to meet future fuel specification demands.

Uhde Shedden, together with its affiliate Uhde South Africa, has undertaken a conceptual study, to allow the refinery to process expanded synthesis liquid flows. The expansion involved investigation of several units including the stabilised light oil fractionation, vacuum distillation, diesel hydrotreaters and distillate selective cracking to propose modifications to meet the new volume flows. The modifications are targeted engineering solutions throughout several refinery units.

To meet future fuel specifications Licensor configuration studies and Licensor process unit proposals were managed by Uhde Shedden. The recommendations from these studies were further developed by Uhde Shedden and supporting work was conducted for associated OSBL scope. Several new process units are proposed to meet gasoline specifications, while process unit modifications are proposed to meet diesel specifications. Pre-feasibility was finished in February 2009 and Conceptual design started in April 2009.