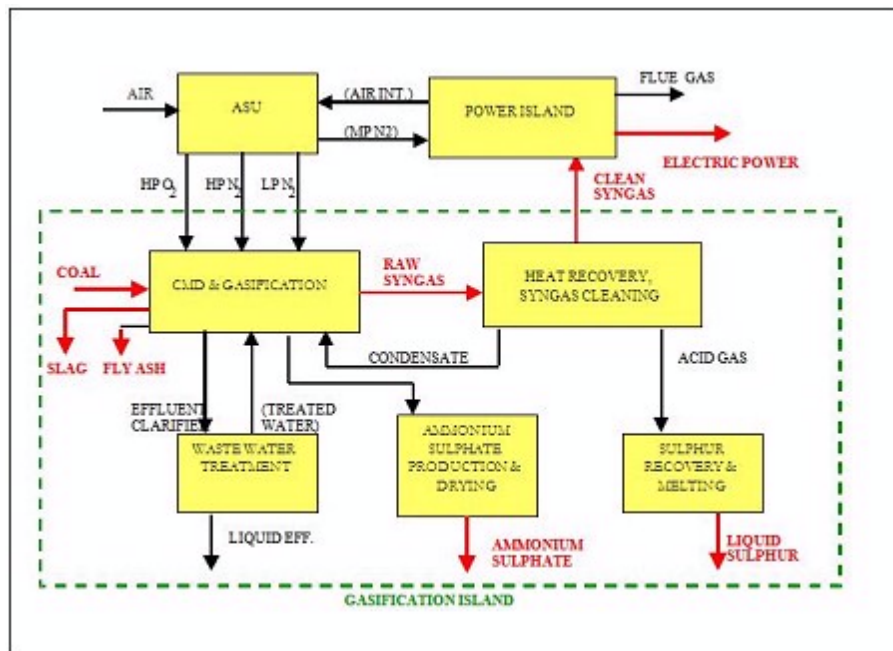


IGCC GASIFICATION ISLAND

POWER

DOOSAN Kowepo Power Plant
Taeon - South Korea



**COMPLETION
DATE
COMPLETED**

PROJECT DESCRIPTION

The project is part of a RDD Project financed by the Korean government to enhance the coal gasification process in connection with IGCC. The Taeon IGCC is composed of a gasification island, a ASU, a Combined Cycle + utility and offsites.

The gasification island includes the gasification unit (SCGP: Shell Coal Gasification Process) and the syngas treatment units (SGTT: Shell Gas Treatment Technology).

The SCGP is a single train coal gasification based on dry feed and Waste Heat Boiler technology, with production of HP steam.

The SGTT includes the syngas treatment units, all based on Shell technology (Sulfinol for AGR and Shell Paques for sulphur production).

FOSTER WHEELER ITALIANA SCOPE OF WORK

Front End Engineering Design (FEED) for the gasification island.

The FEED is based on the Shell BDEP (Basic Design Engineering Package) for the SCGP and on the Shell BDP (Basic Design Package) for the SGTT units.