# Project Data Sheet

## Brown Coal Liquefaction (Coal to Oil) Project

### Location
*Morwell (Latrobe Valley) VIC*

### Client
*Brown Coal Liquefaction (Victoria) P/L*

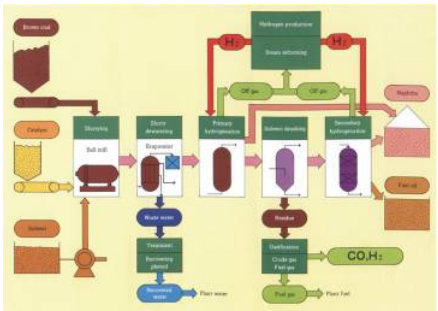
### Total Project Value
*$750 Million*

### Role
*Project, Construction, Commissioning and Operations Management Team at Site (1983 – 1987)*

### Services Provided
*Project Design Input and Review (Client Side)*
*Environmental Impact Statement (EIS) Input & Review*
*Environmental Effects Statement (EES) Input & Review*
*Project, Construction and Commissioning Team*
*Operations and Maintenance Management*
*Process Design Changes and modifications to optimize process*

## Project Overview

One of the IPS Directors was involved with this project over an eight year period. This brings a significant level of experience of complex process units to the IPS management ranks inclusive of relevant design, construction, commissioning, operations and maintenance issues.

Project unit operations included _ High Temperature (ie. 400-450°C), High Pressure (ie. 15-20 MPaG) Reaction Systems, Atmospheric and Vacuum Distillation, High Pressure Letdown Systems and Flash Vessels, Acid Gas Clean-up (eg. Benfield, Diamox and Minotaur), Hydrogen Reformer, Hydrogen and Recycle Gas Compression Systems, Natural Gas and Off Gas Compression Systems, Tankfarms and Oil Blending, Fire Fighting Systems, Gas Fired Pre-heaters, Waste Gas Handling and Flare Systems, etc.

Services systems included Instrument Air, Plant Air and Mask Air, Nitrogen (Low, Medium and High Pressure, the later to 30 MPaG for systems purging), Hot Oil Systems, Water and Wastewater (eg. Phenolics) Treatment, Demineralisaiton and Steam Boiler, Coal and Catalyst Handling, Coal Drying and Handling.