

**Client:**

Grange Resources Ltd

**Project:**

Southdown Magnetite Project

**Project Location:**

Western Australia

**Project Value:**

AUD 600M (2007)

**Services:**

- Testwork
- Definitive Feasibility Study
- Preliminary Plant Engineering
- 3D Models of:
  - materials handling
  - concentrator
  - filter plant

## 1. Project Overview

The Southdown Magnetite deposit is located approximately 90 km from Albany, Western Australia. Grange Resources owns the rights to the mining leases which cover the project.

Exploration indicates the potential for over 400 Mt of magnetite resource, sufficient to maintain a production rate of 6.8 to 7.0 Mt/a for over 20 years.

The project concept is to produce magnetite concentrate at Southdown and transport it by slurry pipeline to a filter plant at Albany and then overseas for conversion into pellets.

## 2. Scope of Work

The scope of work for the DFS included the following main areas and facilities:

- Testwork
- Primary and secondary crushing
- Magnetite concentrator
- Slurry pipeline and return water pipeline
- Filter plant, concentrate storage and material handling at Albany Port including shiploading
- Concentrate handling at overseas pellet plant facility
- Pellet plant
- Pellet storage and material handling, ship unloading and loading

ProMet's scope of work includes:

- Testwork and its supervision
- Process plant design
- Filter plant, concentrate storage and material handling design
- Co-ordination of slurry pipeline specialist
- Pellet plant specification and tendering
- Overall project execution
- Preparation of CAPEX and OPEX estimates
- Compilation of DFS report

## 3. Process Schedule

- DFS completed June 2006
- Project presently on hold

