

## Metallurgical Testwork & Process Engineering

Engenium's metallurgical testwork and process engineering service will determine the most cost effective processing solution for your project, giving you visibility on your projects potential before you start the study phase.

We employ recognised experts in metallurgical testing and processing. Our process engineers can help you to understand the metallurgy and ore characteristics of your resource.

Our experienced processing team will simplify this practice for you by developing, budgeting and scheduling the metallurgical test plans and sampling requirements.

We can manage and coordinate the test program with the labs, interpret the results and deliver a metallurgical summary report to you. This key step is essential to developing a process flow sheet that is practical, cost effective and delivers maximum yield for your project.

### Our Expertise

Our processing expertise includes:

- Iron ore (concentration and beneficiation for magnetite and hematite)
- Manganese
- Mineral sands
- Diamonds
- Coal
- Gold
- Other precious and base metals.

**engenium**  
smart project delivery

### Key Service Advantages

- Determine the most effective process flow sheet for your project, giving you a clear indication of the most cost effective processing solution for your project.
- Identify the maximum yield you will be able to achieve for your project, helping you to make an informed decision on the viability of your project before embarking on the study phase.

### Our Capabilities

- Testwork program development including head assays, Davis Tube Recovery tests for iron ore, comminution tests and bench scale tests for various beneficiation processes.
- Coordination and management of metallurgical testwork.
- Evaluation of the testwork results.
- Validation of any prior testwork programs.
- Recommendation of the optimal processing particle size.
- Conceptual development of flow sheets for processing.
- Determination of recovery rates and operational usage of consumables and reagents.
- Determination of process plant layout and size.
- Establishment of the operational sampling and analysis criteria.
- Process design.

**Delivering Value. Delivering Results.**