

**Client:**  
DiamonEx Limited

**Project:**  
Martins Drift Project

**Project Location:**  
Botswana

**Project Value:**  
AUD 22m

**Services:**  
EPCM

## 1. Project Overview

DiamonEx is a Brisbane, Australia-based specialist diamond company currently developing a diamond mine based on an established 3.7 million carat resource at Lerala within Botswana.

DiamonEx was awarded the exploration concessions over the Martin's Drift project area by the Botswana Government in August 2002. The Lerala kimberlites which lie within the Martin's Drift project area were originally discovered by De Beers in 1991 and 1992.

The deposit consists of five diamondiferous kimberlite pipes ranging up to 2.34 hectares in surface area – all exposed at surface. Estimated Indicated Diamond Resource of 13.5 million tonnes at an average grade of 27.41 carats per hundred tonnes, to a depth of 110 metres below surface, based on a +1mm bottom cut-off screen.

## 2. Scope of Work

The Martins Drift Project consists of:

- Project located approximately 350km NE of Gaborone
- Life of mine operations of approximately 10 years
- Open pit mining at 200 Tpa or 1.32 Mtpa producing 327 000 carats per annum
- Potential for underground operations
- Process plant includes unique mix of scrubbing and up-to-date comminution technology including HPGR's
- Concentration process has been tailored to match the diamond size distribution
- In house modelling techniques and novel treatment processes have resulted in low CAPEX and OPEX costs without compromising optimum diamond recovery
- Final recovery includes X-ray and grease techniques as well as the inclusion of an acidisation plant to ensure maximum revenue per carat

The Martins Drift process plant includes the following:

- Primary jaw crusher with capacity 200 tph
- Ore handling
- Secondary crushing
- High pressure grinding rolls (HPGR)
- Scrubbing
- Pan plant pre-concentration
- DMS
- X-ray and grease recovery circuits
- Sorthouse
- Degritting operations
- Thickening
- Water recovery circuit
- Utilities
- Infrastructure

## 3. Project Schedule

- Definitive feasibility study Nov 05
- Detail design Aug 06
- Commenced site construction Mar 07
- Mining to commence Nov 07
- Anticipate commissioning Mar 08
- Anticipated full production May 08

