



AltMet Pty Ltd (www.altmet.co.za) is a South African company that seeks to develop and deploy sustainable and efficient metal recycling solutions in order to recover metals of global strategic and economic importance. We focus on waste and/or low grade metal sources that would otherwise pollute the environment to recover metals that have strong, proven historical and anticipated market demand trends.

AltMet Platinum

AltMet Platinum is our flagship project for recycling catalytic converters to recover the precious metals; Platinum, Palladium and Rhodium using a low energy process we developed in-house. The three metals are recovered as a mixed concentrate that can be sold off to existing platinum refiners in South Africa, supplementing their primary production



Milestones

Process development started.
February, 2016

Company Incorporated
October, 2017

Process developed with recoveries > 95 % for platinum and palladium.
December, 2017

Secured first ZAR 170k in funding.
June, 2018

Finalist in the UK funded Africa Prize for Engineering Innovation competition.
June, 2018

Challenges

The following are some of the challenges faced by local platinum miners

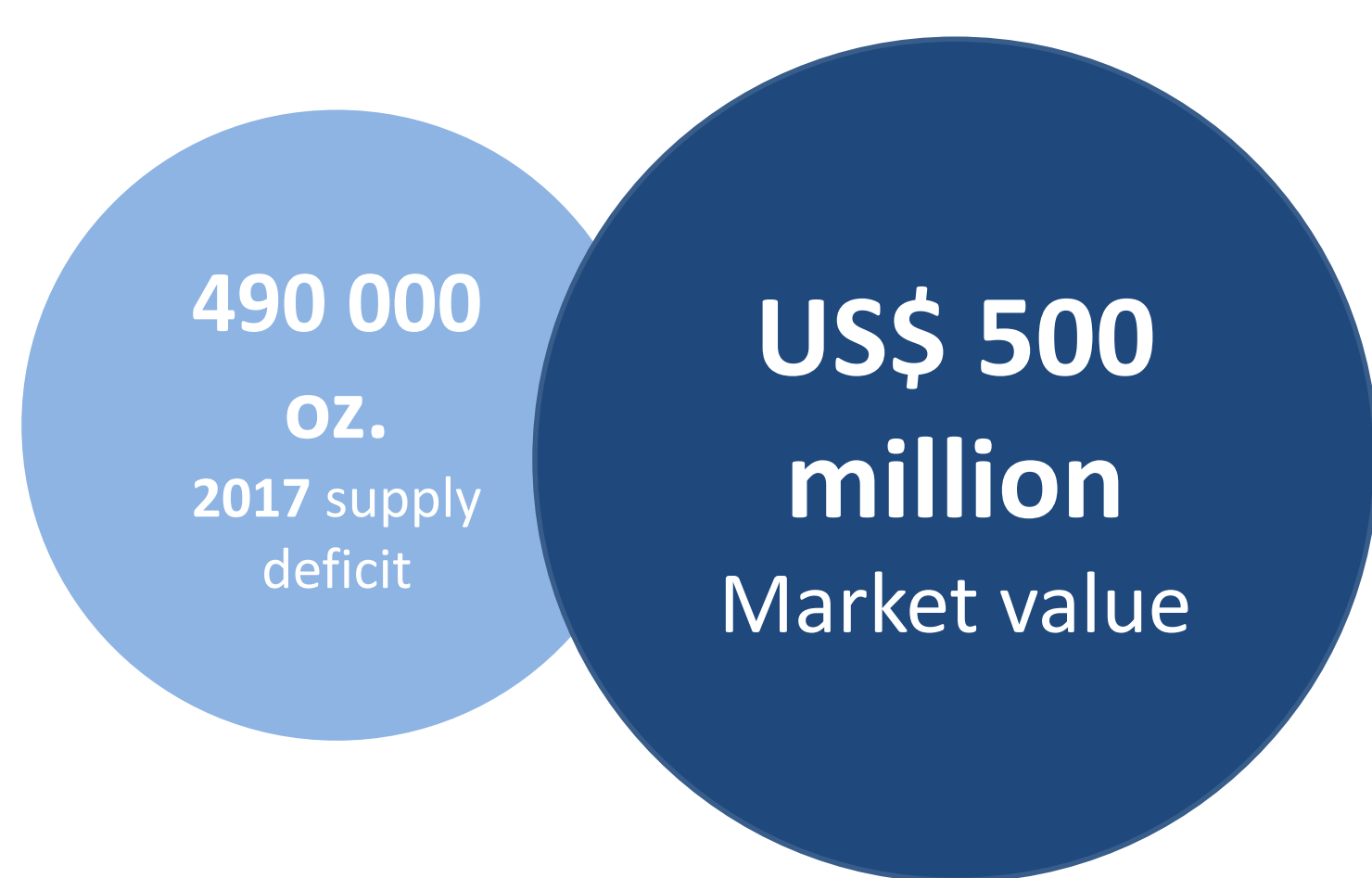
- Lack of product diversity with platinum as the major product, exposing them to platinum market dynamics
- Loss of miners' market share due to increase in global recycling rates
- Decrease in average ore grades by close to 44 %, resulting in higher production costs

Solutions

Our business proposes to mitigate some of these challenges by

- Optimizing regions for sourcing converters so as to introduce product diversity (i.e. more palladium)
- Our operation will feed into local miners' refineries, increasing their output
- The operation is independent of geology. Converters also typically contain more platinum metals than ore.
- Being a recycling operation, we can also assist mining operations meet their sustainability goals.

Market Opportunity



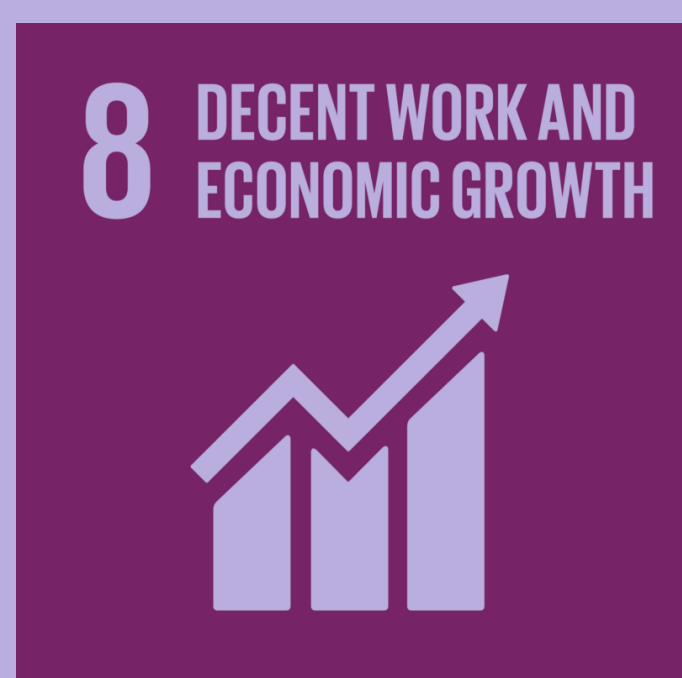
FAQs

What is the targeted production capacity? Where and how will you source the converters to meet that production?

We are targeting a 20 000 oz. / year operation, sourcing converters from Southern Africa and India. We have already signed an MoU with a 2 year old Indian startup already exporting 8 – 10 tons / month of converters.

How much have you raised already? How will the current round of funding assist you meet the overall goals of the project?

We have raised ZAR 263 K (5%) and are looking for ZAR 4.8 M, which will assist us develop a regional supply of converters (with assistance from our Indian partner), pilot the process and develop a bankable proposal.



Founders



Collins Saguru

Founder and Managing Director

Developed the low energy process over 3 years at Wits University, and therefore has intimate knowledge of the process. Holds a BEng in Chemical Engineering and MSc (Eng)

collins.saguru@altmet.co.za



Muofhe Singo

Co-founder and Operations Director

Holds a BSc in Chemical Engineering and an MSc (Eng) in Carbon Capture. Has experience in risk management and Green House Gas accounting.

muofhe.singo@altmet.co.za