



CaseStudy

Context

This materials hub receives between 5 700 and 22 000 m³ of builders' rubble per month from local demolition and construction companies.

Solution

Concrete, bricks and mortar are processed on site to produce the aggregate materials for use in new construction: G4, G5, G7, G9 and kerbmix.

Although generally seen as 'contaminants' in an aggregate producing business, other materials delivered to site have subsequently generated income opportunities for the surrounding community.

Materials recovered

- **Concrete, broken bricks and mortar:** Crushed by Iselula at Blackheath, with external aggregate sales ranging from 1 800 to 20 000 m³ per month.
- **Metal:** Sold to a local scrap dealer by Iselula.
- **Tyres:** Collected free of charge by a local re-treader.
- **Timber (including stumps from excavation):** 1-2 bakkie loads are removed each day by a small business owner who cuts the wood up on site and sells it.
- **PVC pipes:** Whole pipes are re-sold to the construction industry, while small unusable sections and broken pipes are collected by community members and made into sjamboks and other products.
- **Bricks:** Community members recover and clean bricks, before selling them on.

For more information...

For further information on this case study or market insights regarding builders' rubble, please contact **Kirsten Barnes, Waste Economy Analyst at GreenCape** (kirsten@greencape.co.za).

07/2018



Repurposing builders' rubble & other secondary materials

Iselula Crushing

Blackheath, Cape Town

By repurposing secondary building materials, Iselula Crushing diverts between 5 700 and 22 000 m³ of material from landfill per month, a landfill air space saving worth R980 000 – R3.8 million

Society and business benefits

Jobs created: Iselula formally employs 32 staff on site. The company has also created informal job opportunities for 14 people in informal businesses.

Landfill diversion: Between 5 700 and 22 000 m³ of 'waste' is diverted from landfill every month.

Landfill cost savings: Iselula's suppliers save between R980 000 and R3.8 million worth of landfill space every month.



CITY OF CAPE TOWN
ISIXEKO SASEKAPA
STAD KAAPSTAD



BETTER TOGETHER



INVEST CAPE TOWN
COLLABORATE. ENABLE. PROSPER.