



Investing for a world of change



# Meet the solution driving change: Samanjalo

Sector: Circular economy | Stage: Pilot

## 1 Background

Samanjalo converts coal and mineral waste into low-carbon construction materials, supporting green manufacturing and job creation in South Africa's mining regions.

## 2 The problem

Mpumalanga produces 200 million tonnes of mining waste annually, with less than 10% recycled, causing environmental degradation and unemployment.

## 3 The solution

Using beneficiation technology, Samanjalo transforms waste into sustainable building materials,

reducing CO<sub>2</sub> emissions by up to **80%** compared to traditional cement.

## 4 Impact

Cuts carbon emissions by up to 80%.

Creates local jobs and youth employment.

Promotes circular innovation in construction.

## 5 Opportunity

As demand for low-carbon materials grows, Samanjalo offers developers and governments an affordable, scalable alternative for sustainable infrastructure.

## 6 Funding and partnership opportunities

Seeking R7 million in grant or enterprise development funding to scale pilot production and meet market demand.

## 7 Founders and team



**SAMANJALO**

Led by Prudence Simelane (CEO), an MBA graduate with over 15 years' management experience, recognised by the Irish Tech Challenge and French Embassy Innov4Good awards.

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The Ninety One Accelerator supports early-stage climate innovations in Africa, helping entrepreneurs turn high-impact ideas into investable, scalable solutions – advancing our purpose of investing for a world of change.