

**Business Name:** Envirocrete Pty Ltd

[www.envirocrete.org.za](http://www.envirocrete.org.za)

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**Industry:** Manufacturing

**Registration Number:**  
2016/498420/07

**Tax Clearance Certificate Number:**  
0700/2/2018/A002226485

**Income Tax:** 9516264182  
**Vat:** 4110283217

**Start-up Investment:** 1,6 million Euro

**Capex Investment**  
8.2 million Euro

**Total Investment Required: (BP for South Africa)**  
Euro 11 million Euro

## ENVIROCRETE Executive Summary

Envirocrete Pty Ltd produces an ingenious and innovative construction material entirely based **on recycled scrap wood-treated** achieving a light weight inert aggregate that substitutes ordinary sand and stone aggregates in the conventional concrete ready mix. When batched in a conventional manner with cement and water the **EnviroCrete Mix** enables the production of a wide range of building components that combine the structural and resistance properties of cement and the thermal and acoustic insulation qualities of wood.

EnviroCrete's light weight aggregate material is used to produce precast building components, in perfect synergy with well established concrete industry building standards, technologies and machineries such as **hollow blocks, precast load bearing wall panels, roof panels, and hollow core slabs;**

EnviroCrete's innovative Alternative Building Technology (ABT) will enable Developers/Contractors/Builders to deliver **bioclimatic energy efficient ecological houses and high raise structures** timely and at very competitive costs

In essence the construction industry will have the option to **REPLACE** non renewable-carbon positive construction materials such as sand & stone aggregates steel, aluminium and plastic that are heavy pollutants and non-renewable with **WASTE WOOD** (sustainable and carbon negative renewable primary base material)

The ENVIROCRETE ABT has proven and consolidated references demonstrating improved green dwelling quality standards, construction costs reduction and energy saving and operation costs (far better insulation and less weight and speed to market & lower operation costs)

### Bio-Climatic Building System



Off-Site Precast Operations

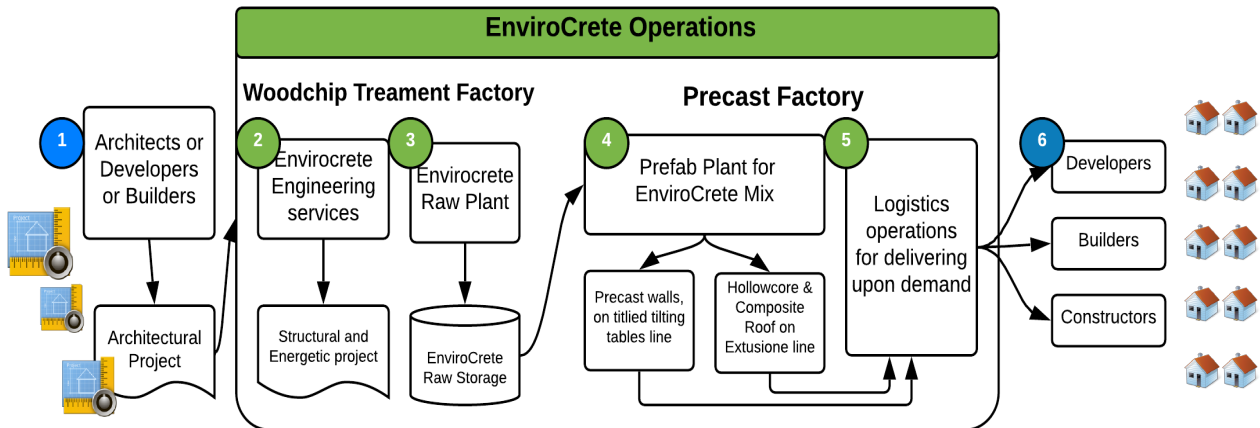
On-site Assembly Operations

**UNIQUE RESULT**

Envirocrete is seeking to Joint venture with Industrial and Investor Partners in the construction industry for setting up operations to develop mass production capacity close to major development areas worldwide.

The JV company will be running operations on two combined ISO 9001 plants:

- **Industrial Treatment Facility** for mass production of mineralized wood aggregate
- **Precast Manufacturing Plant** for producing building components, wall panels and roof slabs etc.



<p><b>Woodchip Treatment</b> (30 m<sup>3</sup>/hour)  Woodchips/bulk wood Input: <b>130 tons/day</b> (2 shifts)  <b>3000-4000 tons/month</b></p> <p>EnviroCrete Raw Output: <b>480 m<sup>3</sup>/day</b> (2 shifts)  <b>134.784 m<sup>3</sup>/year</b></p>	<p><b>Capex</b>  <b>Euro 4.501.410</b></p>
<p><b>Precast capacity:</b></p> <p>Wall panels: <b>634 m<sup>2</sup>/day</b> (18 cm thick)  Total wall panel m<sup>2</sup>: <b>197.638 m<sup>2</sup>/year</b>  Composite roof panels: <b>560 m<sup>2</sup>/day</b> (1 shift)</p>	<p><b>Capex</b>  <b>Euro 3.660.750</b></p>
<p><b>House Delivery capacity:</b>  <b>50 sqm commercial housing unit</b>  (load bearing wall panels 180 mm thick)</p> <p>Erection on site time: <b>2,5 days</b> (4 workers +1 crane operator)  Delivery Rate: <b>3,7 units per day</b> (80% capacity)  Total houses: <b>1141 units per year</b></p>	<p><b>Cost Savings</b></p> <p><b>Base Material -35% +  Finished House -30%  Energy saving 57,9%</b></p>



**ENVIROCRETE**