

# Business Model for Removal, Disposal and Processing of Faecal Waste from Urine Diversion Toilets

## TECHNOLOGY FLOWCHART



**PROBLEM STATEMENT**

- Health Risks to residents when removing waste
- Dissatisfaction with self-removal of waste
- High cost of disposal at hazardous waste sites

**METHODOLOGY**

- Institutional analysis
- Environmental and health compliance
- Ground truthing
- Business Modelling of two scenarios:
  - Burial on site with tree planting
  - Processing using Black Soldier Fly (BSF) technology
- Development of UD waste removal contract
- Development of SLA for operation of BSF plant
- Emerging business support framework

**BENEFITS**

<p><b>UD Waste Removal Contract</b></p> <ul style="list-style-type: none"> <li>• Limits risks to Municipality</li> <li>• Development of Emerging Businesses</li> <li>• Efficiencies and Cost Savings</li> <li>• Job Creation</li> </ul>	<p><b>BSF Processing Plant</b></p> <ul style="list-style-type: none"> <li>• Recycling of waste</li> <li>• Reduction of disposal costs to Municipality</li> </ul>
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