Ecoplastile tackles the problem of plastic pollution by producing sustainable building materials



Project information

Project code	R2 (2022)
Sector	Recycling and Circular economy
Funding	Loan
Country	Uganda
Location	Kampala, Uganda
Project duration	3 years
Origin	SusTech4Africa Uganda 2021

The entreprise

Ecoplastile is a Ugandan limited liability company incorporated on 13/02/2020. It is a **social technology enterprise** that addresses the challenges of urban waste management (plastic pollution), deforestation and climate change. It also provides solutions to chronic youth unemployment and affordable housing.

The business project

Ecoplastile collects plastic waste and uses **chemical-free processes** to transform it into long-lasting, sustainable building materials. Plastic waste is collected, crushed and melted in an extruder to be combined with sand and/or construction waste to make roof tiles. These roofs cost 30% less and are 50% lighter and less fragile than clay roofs. This reduces transport costs and breakage during transport. For health insurance, an **innovative micro-waste programme** has been set up for low-income households, using plastic waste as a currency for medical services.

Why OVO believes in this project

Ecoplastile is a very interesting project because it is economically viable and has a positive social and environmental impact. Waste is **upcycled** into new **valuable building products**. There are significant opportunities for additional direct and indirect employment. The dimensional stability of the plastic tiles has also been verified as being better than the clay products - the business is also very scalable, with additional units that can be added.

Requested investment

It is proposed to finance the equipment with a loan of € 25,000 facilitated by OVO at an interest rate of 7% per annum, repayable in half-yearly instalments with a grace period of 18 months for the first part of the capital.

Topic

- Waste recycling
- Scalable
- Employment

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