

# 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 enterprise

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