

Plastic Recycling in Praia: Get to Know the Project

Overview

Our plastic recycling initiative in Praia is a significant stride in combating plastic pollution in Cabo Verde. Designed as an integrated solution, the project encompasses the entire recycling process—from initial collection to final processing. This sustainable cycle not only enhances environmental protection but also bolsters the local economy.

Infrastructure

Processing Center

- **Location:** Praia Industrial Zone
- **Area:** 650m²
- **Capacity:** 120 tons/year
- **Energy:** 100% solar power (25kW system)

Technology

Our facility is equipped with cutting-edge technology to ensure efficient and environmentally friendly recycling:

- **Automatic separation line** to streamline sorting.
- **Low-water consumption washing system** to minimize water usage.
- **High-efficiency shredder** for effective material breakdown.
- **Extruder for flake production**, transforming plastics into reusable material.

Processed Materials

We focus on recycling a variety of common plastics:

- **PET:** Used for water and soft drink bottles.
- **HDPE:** Found in detergent bottles and containers.
- **LDPE:** Utilized in plastic bags and films.
- **PP:** Used for caps and various containers.

Environmental Benefits

Our initiative promises significant environmental advantages:

- **70% reduction** in plastic pollution on local beaches.
- **Decrease of 300 tons** in CO₂ emissions annually.

- **Saving 1.8 million liters of water** each year.
- **Preservation of the marine ecosystem** by reducing harmful plastic waste.

Social Impact

The project also delivers substantial social benefits:

- **Creation of 15 direct jobs** for local residents.
- **Training program for collectors** to enhance skills and employment opportunities.
- **Partnerships with schools** to promote environmental education.
- **Support for local artisans** who use recycled plastic in their crafts.

Partners

Our partners play a crucial role in the success of the project:

- **Ministry of Environment of Cabo Verde**
- **Praia City Hall**
- **Hotel and Tourism Association**
- **University of Cabo Verde**
- **Clean Oceans NGO**

Collection Points

To encourage community involvement, we have established strategic collection points across various locations, making it easier for residents to contribute to the recycling effort.

Employment Opportunities

We are dedicated to providing sustainable employment and specialized training to local community members, fostering both economic development and environmental stewardship.

Invest in the Project

We warmly invite companies and individuals to become part of this sustainable effort. By investing in our project, you are contributing to a cleaner, greener future for Cabo Verde, and playing an active role in protecting our planet.