

Metal Recycling Project Plan

Business Concept

The proposed venture aims to establish a highly efficient metal recycling operation in Cape Verde. The focus is on purchasing, sorting, and exporting scrap metal to international markets, leveraging Cape Verde's strategic location and potential for environmental and economic impact.

Core Activities

Collection

- Direct purchasing from local businesses and individuals ensures a continuous inflow of materials.
- Establishment of strategic collection points in urban areas to maximize accessibility for suppliers.
- Offering a mobile collection service for larger volumes enhances convenience and encourages higher participation.

Processing

- Sorting scrap by metal type is crucial for maximizing value and efficiency.
- Removal of contaminants to ensure compliance with international quality standards.
- Compacting and baling metal for transport reduces volume and shipping costs.
- Rigorous quality control processes ensure that materials meet export standards.

Export

- Utilizing container shipping to deliver processed metal to international buyers.
- Building partnerships with European and Asian processors to secure reliable markets.
- Developing efficient logistics and thorough documentation processes to streamline export operations.

Business Assets

Facility

- A 2,000m² processing yard allows for ample space for operations.
- An 800m² covered workspace provides shelter for sensitive processing tasks.
- A secure storage area ensures that materials are safely kept before processing and shipping.

Equipment

- Industrial scales for precise measurement of materials.
- A hydraulic metal baler for efficient compacting.

- Material handling equipment to facilitate movement within the facility.
- Two collection vehicles to support the mobile collection service.

Personnel

- A facility manager to oversee operations.
- Eight operational staff members to manage daily processing tasks.
- Administrative support to handle logistics and documentation.

Financial Overview

Investment: €275,000

- Facility setup: €85,000
- Equipment procurement: €120,000
- Fleet acquisition: €45,000
- Initial working capital: €25,000

Annual Costs: €260,000

- Personnel expenses: €110,000
- Material purchasing budget: €60,000
- Operational costs: €90,000

Revenue Forecast

- Year 1: €320,000 (handling 300 tons)
- Year 2: €430,000 (handling 400 tons)
- Year 3: €560,000 (handling 520 tons)

Returns

- Projected gross margin of 35-40%
- Expected payback period between 24-30 months

Implementation

Phase 1: Setup (3 months)

- Obtain necessary permits and set up the facility.
- Install equipment and recruit staff.

Phase 2: Startup (3 months)

- Begin initial collection activities.
- Optimize processing techniques.
- Secure first export contracts.

Phase 3: Full Operation (6 months)

- Expand the supplier network.
- Increase the export volume.
- Implement performance monitoring systems.

Growth Strategy

- Expand operations to neighboring islands to increase reach and impact.
 - Specialize in high-value metals to enhance profitability.
 - Develop direct relationships with end-users to foster long-term business growth.
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By transforming waste into economic value, this project not only creates employment opportunities and improves environmental conditions but also strategically positions Cape Verde within the international circular economy.