

Sarufi Energy Group Ltd

"Imagine Tomorrow"

PET WASTE RECYCLING PLANT IN KENYA

Transforming PET Bottle Waste into a Sustainable Future



About Us

At Sarufi, we “imagine tomorrow” and work with communities to ensure a global order under the tenets of a circular economy, with a focus on clean and sustainable on and off-Shore environment, through recycling of PET bottle waste, championing of economic growth through promotion of waste to power, and energy efficiency management solutions by scaling innovative technological concepts and industry best practices through capacity building, with a high regard to quality of service, integrity and expertise spanning over 37 years across the globe, through our sister companies (Mecen IPC Co. Ltd, South Korea 1983 and Kawi Energy Group, USA 2016). We do this with our immediate communities, and the under privileged in the society to ensure their socioeconomic empowerment, environmental sensitization and eradication of poverty through employment creation.

OUR VISION

*“Our vision is to be the regional leader
in plastic waste recycling, Plastic
processing and a*

*Champion of Waste to Energy, Energy
efficiency and management solutions,
through deployment
of technological innovation and
Capacity Building.”*

OUR MISSION

*“To sustainably contribute to Earth’s
regeneration, improvement of Human
life quality and preservation of the Eco-
System.”*

THE PROBLEM

Kenya's PET bottle waste is a growing environmental concern with detrimental effects on ecosystems and public health.

Thousands of tons of PET bottle waste are generated annually, with a significant portion ending up in landfills and water bodies.

The existing recycling facilities struggle to cope with the growing demand, resulting in a vast recycling gap.

Inadequate waste collection and disposal systems contribute to the proliferation of PET bottle waste.

This Grim Situation has led to:

Ecological Imbalance

Soil Contamination

Climate Change Impact

Health Risks

Economic losses

Missed Opportunities



THE SOLUTION

Sarufi is establishing a state-of-the-art PET bottle waste recycling plant in Kenya, which will deploy advance technologies to sort, clean, and transform PET bottles into high-quality recycled materials, with an aim to mitigate plastic pollution, conserve resources, and create employment opportunities.



MARKET POTENTIAL

01.

Market Opportunities: Our PET bottle recycling plant will tap into a rising market for recycled PET flakes, catering to various industries.

02.

Government Initiatives: The Kenyan government is promoting sustainable practices and setting targets for plastic waste reduction.

03.

Growing Demand for Recycled PET: Consumers and industries increasingly prioritize sustainable packaging and products.

PET Recycling Value Chain



PET Flakes



Polyester Stable Fiber



Non-woven Geotextile



BUSINESS MODEL

01.

We anticipate generating revenue from the sale of recycled PET flakes and by-products to packaging and manufacturing companies.

02.

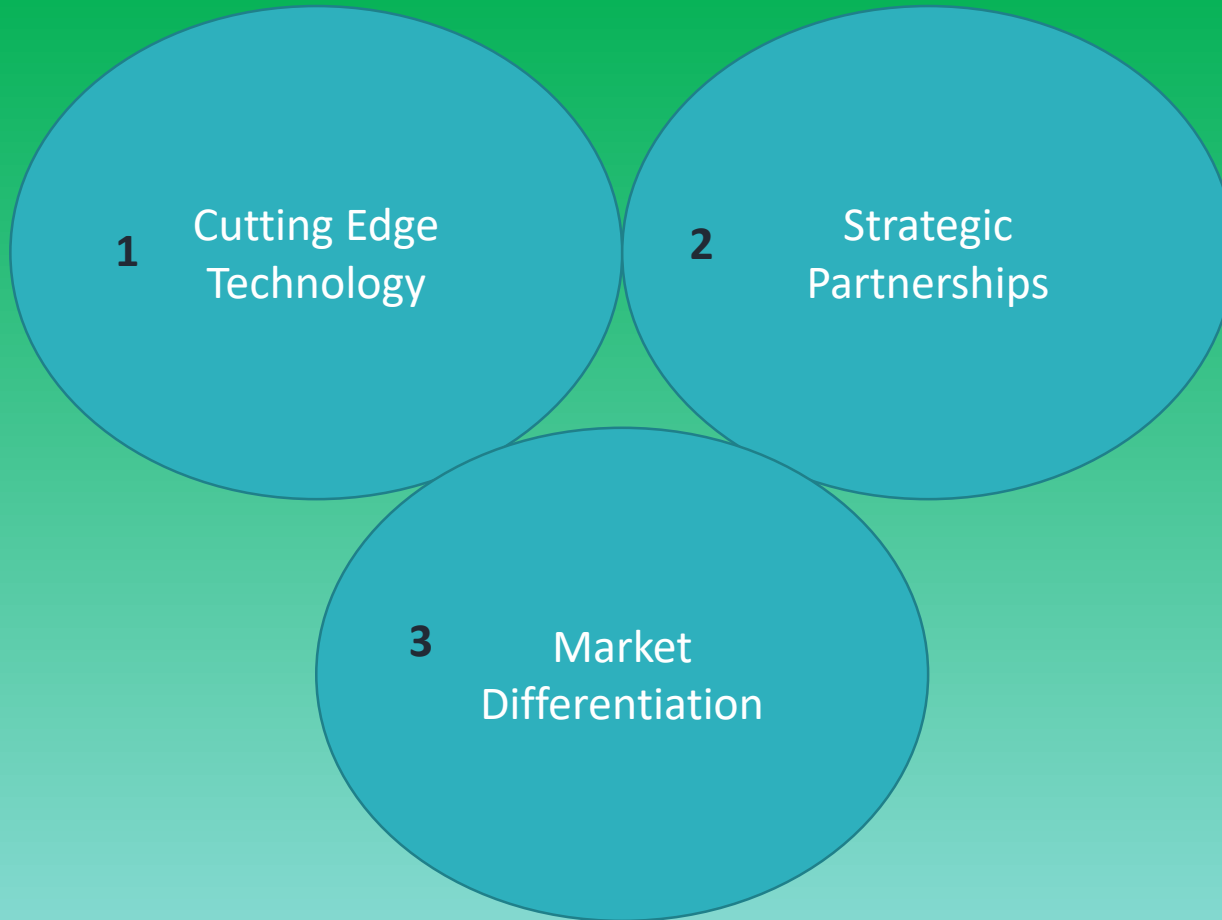
Cost Savings: By diverting PET bottle waste from landfills, we reduce waste management costs and potential environmental fines.

03.

Long-term Profitability: As demand for recycled materials grows, our plant's profitability is projected to increase steadily over time..



COMPETITIVE ADVANTAGE



Cutting-Edge Technology: *We will leverage the latest recycling technologies to achieve high-quality outputs and maximize efficiency.*

Strategic Partnerships: *Collaborating with local waste management companies, NGOs, and government bodies to ensure a steady supply of PET bottle waste*

Market Differentiation: *Our focus on producing high-grade recycled PET flakes will give us a competitive advantage in the market.*

SOCIAL IMPACT

Environmental Benefits

Our recycling plant will reduce plastic pollution, save energy, and conserve natural resources by diverting PET bottle waste from landfills and incineration.



Social Benefits

By creating employment opportunities and promoting waste management education, we will contribute to the socio-economic development of the local community.



THE TEAM

Jae Chul Park

Executive Director - Mecen IPC Korea

Over 30 years of PET bottle Waste
Recycling

Nixon Oyugi

**CEO AND FOUNDER KAWI
ENERGY GROUP USA**

With over 20 years experience in
Energy Efficiency and
Management Systems and
solutions

Ken Odegih

**GENERAL MANAGER DLIGHT
SOLAR ETHIOPIA ND HORN OF
AFRICA**

With over 15 years of Strategic
leadership and renewable energy
practioner



THE ASK

PROJECT COST ESTIMATION

Fixed assets cost USD 2,220,000

- Production line USD 1,970,000
- Utilities & Other fixed assets USD 250,000

* Factory building to be arranged by rental base

Initial working capital (2 months) USD 20,000

- Monthly general expenses & Factory rental cost USD 60,000
- Office salaries & Factory wages USD 60,000

Initial raw material USD 150,000

- USD 200 / ton x 750 tons

Pre-operation costs USD 400,000

- Plant installation & commissioning costs USD 250,000
- Other pre-operation costs USD 150,000

Contingency USD 110,000

Total Project Cost USD 3,000,000

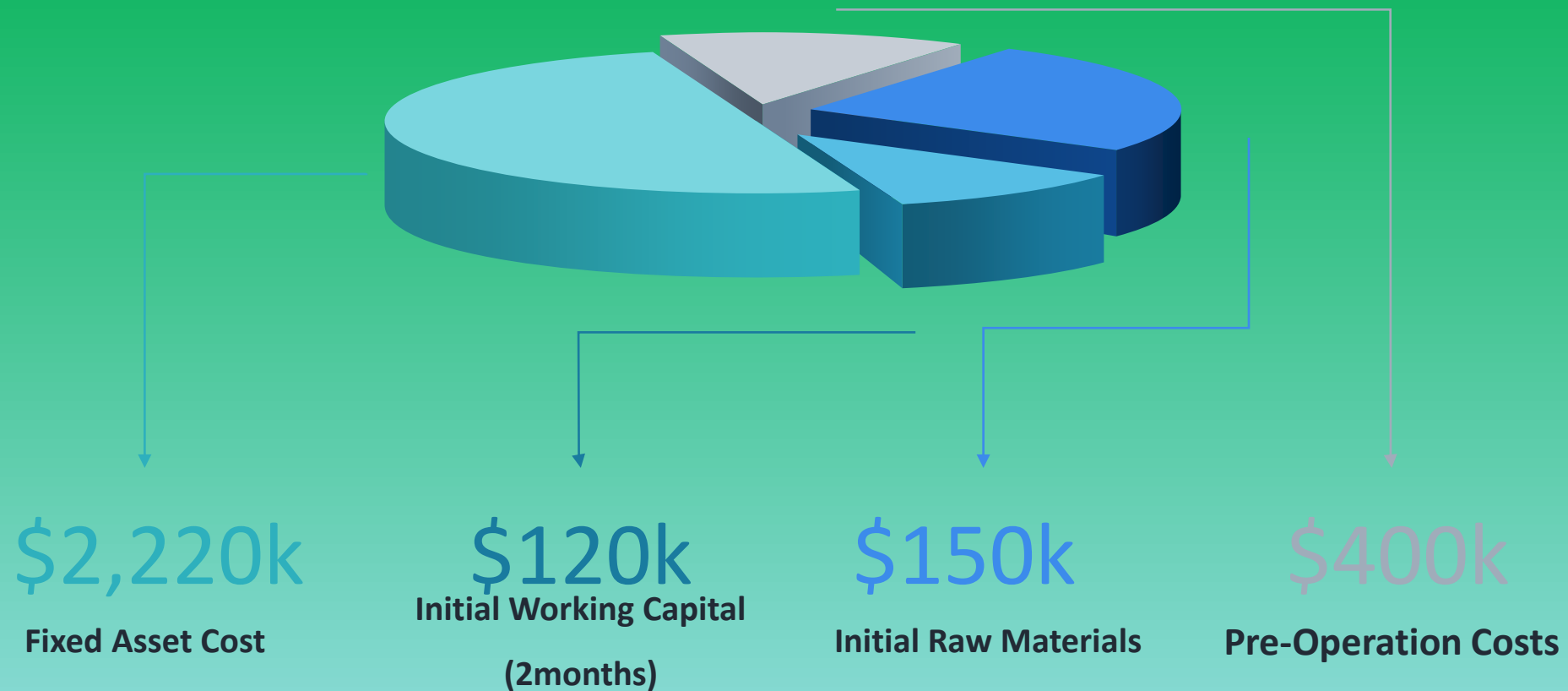
4.2. CAPITALIZATION

THE ASK

CAPITALIZATION

- Bank loan 70% USD 2,100,000
- Paid up Capital 30% USD 900,000
- Contingency USD 110,000

* Total Project Cost USD 3,000,000





GET IN TOUCH WITH US

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