



Managing Enterprise in the 21st Century

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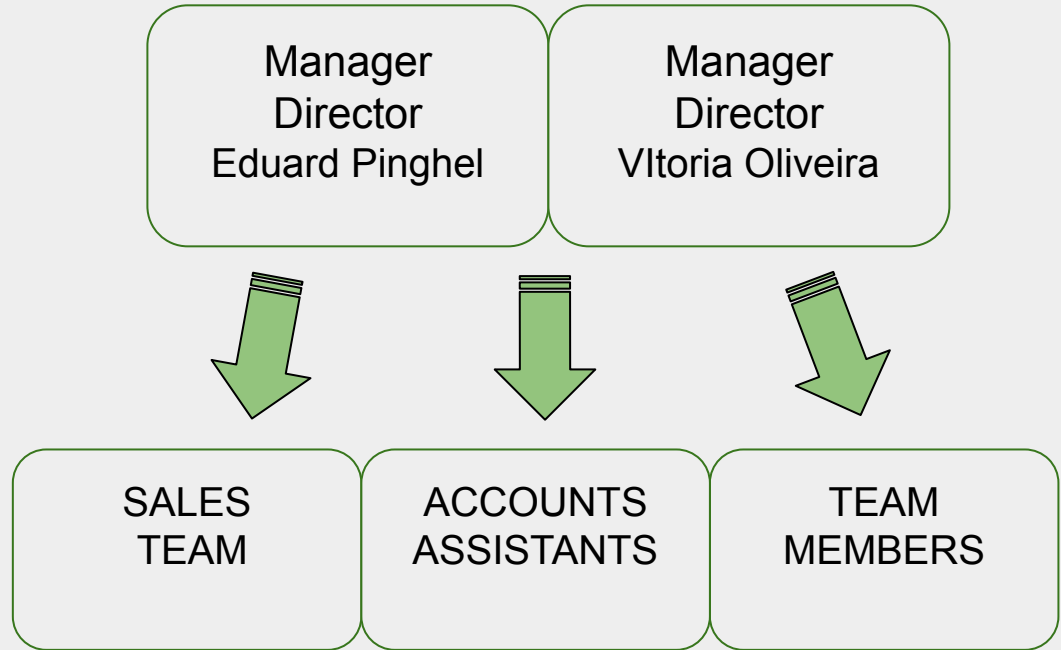
Way to recycling

Why recycling?

- *Reduces amount of waste sent to landfills*
 - *Prevents pollution*
- *Conserves natural resources*
- *Helps protect animals*
 - *Saves energy*



Organisational Structure



Products and Services

- Main product is plastic
- Giving cash back to every person that would like to help the world and recycle it
- Doing the transportation from the vending machines to our clients which will do the preparation and proper recycle the plastic.

Customer Profile

Our customers are located in Central London as is our company, making it easier and cheaper for us in regards of vehicles and employees.

Future customers:

- London Rubbish Collection
- Plastic Economy Ltd
- First Mile Recycling & Waste Management London
- Plastic Energy Limited

Legal and Compliance Issues

- Eight employees
- Doing not more than 37.5 hours per week, with a paid 30 min break per day
- £10 per hour, totalising £375 per week (before tax)
- 5.6 weeks paid holidays per year, including bank holidays.

- Manual handling will be provided to new employees
- Full PPE while working on the roads and on site
- SSP (£90) per week provided by the Uk government.

Business Analysis

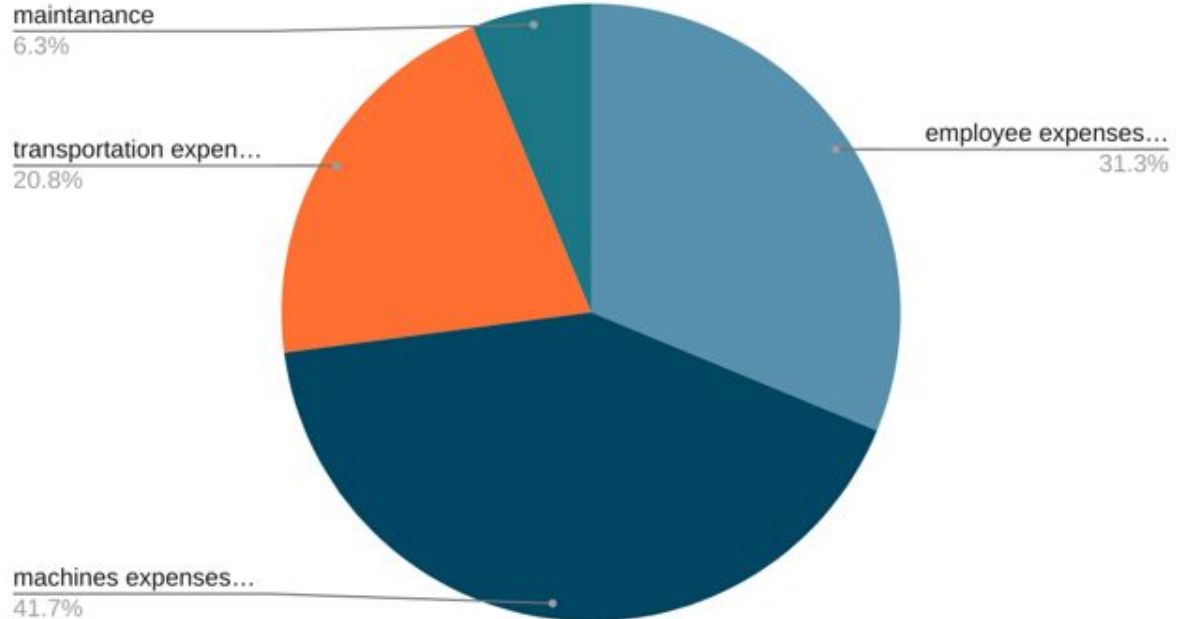
History of project

Old goals:

- Collect plastic to recycle from house to house
- Transport the collected plastic material
- Recycle the material collected with own machines
- Resell recycled materials to make profit

The expenses almost doubled just because of the machine expenses.
~41.7%

percentage of expenses

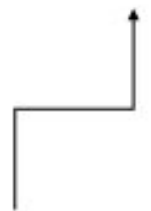


Total expenses (first year)
~£500,000

Present goals:

- Place 10 different machine that collects plastic bottles in different areas of London
- Collect and move all the plastic material collected into a storage to separate it
- Once done that, resell the plastic bottles to a company that recycles them
- Make profit collecting plastic and reselling it.

We reduced expenses to almost 50% only removing the needing of machines to recycle



WAY TO RECYCLING
Recycle it



Expenses for the first 6 months:

- a) Aprox. £150,000 (employee expenses)
- b) Aprox. £50,000 (transportation and rent of the trucks)
- c) Aprox. £100,000 (rent of a place to keep the plastic, and maintenance)

<https://www.cirplus.com/en/sellers>

It's the best reselling plastic company so we can sell there.



We will use 10 vending machines, these will be placed around the central part of london





SET-UP COSTS: FIRST 6 MONTHS



-10 VENDING MACHINES: £100,000



-RENT OF VANS £30,000



-RENT OF DEPOSIT FOR PLASTIC (1000SQF STORAGE): £18,000



-MAINTENANCE (+ DAY-TO-DAY EXPENSES): £50,000

- 
- Founding requirements:

- We can attempt two distinct methods of founding:

- -Government grant :

- There are thousands of federal, state, and municipal government grant options available to small companies.

- (approx. £500,000)

- -Investors:

- Reaching out to an angel investor is a great approach to generate funds for your business. These are wealthy individuals who can invest their personal money in startups in exchange for a stake in the company.

- (approx. £50,000-£500,000)

Conclusion

Concluding that without operating the vending machines to their full capacity, a first-year investment of about £400k would result in a profit of £50k. Considering that the capacity does not expand, the break-even point will be reached in 15 months.

Always with the intention of reinvested all of the gained profit.

References

- <https://www.recyclever.co.uk/reverse-vending-machine-specifications/>
- <https://www.epa.gov/recycle/recycling-basics>
- <https://www.safestore.co.uk/enquiry-process/storage-quote/>
- <https://www.eco-vend.com/reverse-vending-machines/can-plastic-bottle/rvm-100/>