

Buyers of heating means are concerned about the price. The prices of energy sources are currently increasing, wood and wooden briquettes including. Not to mention the problem with deforestation in Slovakia. On the other hand, horse breeders are facing a surplus of horse manure, which is produced in amounts that can not be removed effectively, and thus it becomes waste.

briquettes to the market. They consist primarily of horse manure which is a forgotten, yet very effective fuel. They are more affordable than the competition, and a lot more eco-friendly. We use renewable sources and no-waste packaging as opposed to the competition that uses valuable wood and sells it wrapped in plastic.

Our mini-company Fluf brings unique FLUF

THE OPPORTUNITY

We see this product as a simple solution for hard times. We are not only transforming the future of heating, we are also raising awareness and starting conversation about pressing issues. These three core values innovation, social contribution, and ecology - drive our company's mission to provide innovative and

eco-friendly heating solutions that benefit both customers and the environment. By choosing FLUF briquettes, individuals support a company that values continuous improvement, social responsibility, and environmental sustainability.













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COMPANY OVERVIEW

The reason our company was founded was the energetic crisis, which was the most pressing issue in Slovakia in September. We are a neighboring country to Ukraine, which is currently occupied by Russia. This whole conflict resulted in gas prices rising and many people on the verge of poverty having to live in extreme conditions. It is not unusual that in these communities, the little children do not survive thround violers.

Our vision is that in 20 years, 75% of households heating in fireplaces will use FLUE briquettes instead of wood.

We found an innovative, yet simple solution. Horse manure is an effective source of heating that is, however, not being used. We saw a niche on the market and decided to start developing this product. Although the idea is not completely new, we are the only company that sells these briquettes in Furone. That means we created a unique formula and manufacturing process that is not known anywhere in the world. Over time, as we spent countless hours developing this product, we realized just how many other problems it can solve.

According to OECD statistics, Slovakia harvests the most wood out of all developed countries, which results in the change in climate conditions, the pollution of drinking water and the disturbed biodiversity of forests. Despite such results, logging has increased by 75% since 1990, which is largely due to population growth and the tradition of heating with wood. Horse manure briquettes can completely replace wood for heating and thus save approximately 13-15 m3 of forest in a household per







vear.



PRODUCT:

Our company is bringing an ecological and visionary product to the market -FLUF

briquettes made of horse manure. Their innovation lies in their many advantages. They are made of waste materials that are collected, and this way, have a purpose. They do not pollute the environment and their packaging is also fully burnable - no waste approach. They do not smell and they are easily stored thanks to their shape. They are very lightweight compared to wood. They are cheaper and have the same

sating capacity than the average wooden briquette.



Development:

we do not know how to dry them yet and also need to introduce the unusual material to the buyers in a smaller form. The small briquettes are a perfect way to gain trust and tear down the prejudice. We also shaped them into hearts to make them more liekable, and thus make the promotion process faster. At the end of the heating season we need to adapt to the needs of the buyers, so we are in the process of creating a byproduct - horse manure fertilizers - while still offering and selling all our products.

Manufacturing process:

We combine the borse manure with waste office paper that is soaked in water to reach a consistency that holds our briquettes together. The mass is pressed



CHALLENGES

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There was no known recepture for making briquettes from horse manure, so we had to experiment with individual ingredients. In the beginning, we used dry manure that we pressed, However, if all on to hold any shape, We started did not hold any shape, We started with the started

MOLD

Wet biomass creates an optimal environment for saprophytic filamentous fungi. We learned how to properly store the briquettes, as they cannot be stored in a humid environment, especially during the drying stage.

DRYING

First, we pressed the briquettes into brick shape and let them dry naturally in the sun. This process took much longer during winter, so we started making our small briquettes that are more friendly for first time users and are easy to manipulate with.



PRETUDICE

Our biggest challenge is that people hold natural repulse against horse manure. We minimize these feelings via marketing. By actively appearing in newspapers, TV, the radio and podcasts we manage to penetrate our buyer's subconscious

which results in them not finding the idea too welrd and buying our product. We also chose hearts as the appropriate shape for the small briquettes, as they evoke pleasant feelings in people. In-person selling events have proven to be the most effective for us. The potential buyer can touch and smell the product, as well as ask us any question. These customers are most likely to return to our e-shop and become reculars.



ОТИЕВ

MARKET ANALYSIS AND MARKETING

competitive factor	FLUF briquettes	BIOMAC briquettes	wood	After a detailed market analysis, we • building our name through mass media, social can say for a fact that we are the media and press (dennikN, Nový Čas, Trend
sustainability	made using waste materials, with fully compostable packaging	made out of beech wood, wrapped in plastic	supports deforestation and sometimes cutting down trees illegally	en't juoven company that offers this specific product. There are individuals who use horse manure as heating fuel, but no company selfs horse manure as briguettes. Secuse of that, we have the Secuse of that, we have the for example the hinsest home improvement for processing the hinsest home improvement.
price	0.55 €/piece	1.1 €/piece	70 €/1 m of wood	advantage of having a unique place store in our city, OBI, which sells the bigges on the market. Therefore, our variety of heating briquettes in one place
heating capacity	14 MJ/kg	17 MJ/kg	12MJ/kg	competition is any other heating • having our product available in a brick-and product, as in wooden briquettes, or wood itself. The process of buyers specializes in selling fireplaces, so ever
availability	e-shop, in Krby Tuma Košice, in-person selling events announced on webpage	in most home improvement stores	small businesses, individuals	accepting our product on the market is still ongoing. Some group, and is more likely to buy our product there there OUR INSTAGRAM FOLLOWERS: OUR INSTAGRAM FOLLOWERS:
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LOGISTICS OF PRODUCTION:

Our manufacturing process consists of four parts, and everyone from the company takes an equal part in it. Firstly, workers go to the farm where they spend an hour. During that time they accumulate our material (horse manure). Secondly, we transfer the material to our place of production. That is done by car, and the price for that is 2 FAIR.

Next, we process the material and press the briganttes. It workers are needed for this part, that work if since aweek for it have, the wage in our company is 0.300 fb/mor. In the next step, we leave our bringenttes to dry in the sum. The big ones dry for 3 days, and the small ones are dry after one day in direct samight, Lastly, we pack the small brigattes. Two workers are in charge of packing ones a week for two hours. The big ones are placed on a patter or in a bigger box, according to the size of the order. See the contract of the order. We have the contract of the order. We have the contract of the order of the order

free for students.)

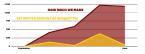
Other

And

Other

COMPARISON OF COALS:

Dur main goal in September was to make 500 briguettes, but we managed to outperform this limit by 128,6%, which could supply 141 briguettes. To suchieve this, we put it will be limit by 128,6%, which could supply 141 briguettes. To suchieve this, we put it emphasis not only on production and making it may be and it pers to a public with also on marketing, so we consider that of the such as the such



FINANCIAL PERFORMANCE:

Our company started with 500€ from our shareholders. The main expenses were presses which cost 20.311.6, and our webage that cost 100€. Other costs were packages, stickers for packages, leaflets and receipts. These expenses vary from month to month, depending on our sales. The excess biomass we use is free.

At the beginning, we packed or small briquettes in paper bags. The margin for that was

78.7%. Now, we sell 12 small briquettes in cardboard boxes, with a margin rate of 82.5 %. This rate for big FLUF briquettes, stored on wooden palettes, is 90.1%.

tarnet customer.

on serves as a convenient platform for customers outside our region. It allows them to purchase FLUE Briquettes easily providing a seamless shopping experience. The website showcases product details benefits and pricing information, enabling customers to make informed decisions. With a user-friendly interface and secure payment options, we ensure a smooth online purchasing process.

We recognize the importance of personal interaction and firsthand experience for

customers to fully understand and appreciate our product. To facilitate this we

organize in villages, stores and shopping centers. These events serve as a platform for showcasing our briguettes, engaging directly with customers, and addressing any queries or concerns they may have. By allowing customers to see and feel the product, we aim to enhance their understanding and build trust in our brand. We already visited 4 shopping centers, 5 villages in Slovakia, and every week we sell at our local market. Our most active social media platform is Instagram. We quickly learned that despite our belief that our target group is not active on this platform, we can promote

that our audience is always engaged. It is also linked to our e-shop, so when a visitor likes what he sees, he can be at our product checkout in just a few clicks. We established a coongration with a store called Krby Tuma, that sells fireplaces. This way we are available at a brick-and-mortar store, where every customer is also our

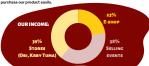
ourselves the best via Instagram, Regular posts, stories, Q&A's and giveaways, ensure

affordability of heating materials. They value cost-effective solutions that meet their heating needs without straining their budgets. We reach out to them through mass media channels such as television, radio, and newspapers. Additionally, we engage with them on Facebook, where we provide information about our product and uncoming selling events. Selling events serve as an opportunity for them to nurchase our briquettes and interact with our team directly.

: This segment is particularly conscious

heating. They prioritize sustainability and are interested in reducing their impact on the environment. We target this group through online magazines that focus on ecofriendly living and sustainability. Social media platforms such as Instagram and Facebook are also essential for reaching out to this audience. We share informative and engaging content that highlights the ecological benefits of our briquettes. To cater to their convenience, we provide an e-shop on our website, where they can nurchase our product easily.

of their carbon footprint and seeks environmentally friendly alternatives for



	fit and Loss Account	
	Sales	841,50 €
В	Purchases	585,74 €
	Production wages	126,00€
D	Closing stock	125,50 €
Ε	Cost of sales (B+C-D)	586,24 €
	Gross profit (A-E)	255,26€
	Salaries and bonuses	10,00€
G	Stationery	-
	Rent & hire	-
	Miscellaneous Expenditure	-
	Registration fee	5,00€
	Total Expenses (F+G+H+I+J)	15,00 €
ĸ	Gross Profit Less Total Expenses =	240,26 €
ш	Operating Profit	_
	Miscellaneous Income	-
м	Net Profit (or Loss) (K+L)	240,26€
N	Corporation Tax Payable	36,04€
0	Profit after Tax (M-N)	204,22€
Р	Appropriations of Profit (Q+R+S):	204,22€
Q	Dividends:	154,00 €
R	Donations:	-
s	Other:	50,22€
	Balance (O-P)	-

Balance Sheet						
	Stock	125,50 €				
	Deptors	-				
	Cash at bank	-				
	Cash in hand	614,76 €				
(A)	TOTAL CURRENT ASSETS	740,26 €				
	Current Liabilities:	-				
	Bank Overdraft	-				
	Loans	-				
	Creditors	-				
	Corporation Tax Payable	36,04 €				
	VAT Due	-				
(B)	TOTAL CURRENT LIABILITIES	36,04 €				
(C)	BALANCE (A-B)	704,22€				
	Represented by:					
(D)	Issued Share Capital: shares at 5€	500,00 €				
(E)	Profit & Less Account (Profit after Tax)	204,22 €				
(F)	Shareholders Funds (D+E)	704.22 €				

FINANCES

PRICING:

We determined the price of our product based on a comprehensive analysis of our customers, costs, and competitors. Our department for finances has worked on extensive market research. After conducting a thorough analysis of the top 10 best-selling briquettes (EO, per piece, in order to provide a more attractive offer, we have 60.7 per piece, in order to provide or more than the selling briquettes set a price of 60.55 for one briquette. What sets us apart from our commettions is that we are able to save on all commonents of our

FINANCIAL ANALYSIS:

The financial statement accurately represents the unique aspects of un company's operation. Cur return on early (RioE) stands at 40.8, which is nearly identical to our competitor, BIOMAC, whose RioE is 42.6, which is nearly identical to our competitor. BIOMAC, whose RioE is 42.6, but the company of the co

briquettes, as we collect the waste materials at no cost.

cases, or were able to plan clear understanding of our financial absolution at any given time. This practice providents with valuable included from understanding of our financial absolution at any given time. This practice providents will valuable from decisions from decisions from decisions from decisions from decisions from decisions and sometimes of the contract of the contrac

organized on a platform called Jira.

Our company consists of 14 members with chosen roles that work in departments of each vice-president. The president and vice-president has remembers as a week to set up uposls for the next period, and then delegate them to chosen members on company meetings. We also evaluate the aiready set goals with the whole team and give feedback to each other. Every team operates by itself, but when needed for project. Occase members of different departments cooperate on one star. Face-to-face communication is very important for us, that it will we prefer the department of the section of the sect

One of our vital values is to make everyone feel important and motivated.

To ensure this, we organize different team-building activities. This way it is easier for people to connect to each other, as well as to the company.

To assure that everyone understands the product, we all participate on manufacturing. We keep track of how much people have worked in manufacturing and we motivate them by adding extra bonuses to their salaries by the amount of worked hours.

We understand that learning from our mistakes, but mostly experienced professionals in the business, is the best we can do for our company. We run our ideas and visions regularly by our mentor Brian Jakubee so that we can pain a different, and more accomplished view.



Thanks to Lea's precision, every briquette is of top quality, and the customers are always satisfied. The biggest challenge for her was time management of the whole production.



Terka is the best at having crazy ideas. Experiencing manual work was new to her as a city girl, but she got used to it.

#9



This year, had taught Rebeka how to turn critique into positive feedback. Thanks to her aesthetic sense we have a beautiful logo, instagram and much more.

Number of fearn members: 3



Jakub is the motivator of the team. Working in finances has taught him that having a clear record of every transaction is the key. Number of team members: 3

FUTURE

First of all, after we end our mini-company, we plan on continuing this business as a real firm. We were offered an investment by CB ESPRI worth 50 000€. Every year, we will give them back 2%. Below, you can see the division of the



In 4 months:

The main heating season starts in 4 months, that is why we need to build automatic production by then. This way we are able to compete with other heating options in quantity, with the help of machines, we would be able to produce 790 000 briquettes a year, which equals to 104 500°C a year. By then, we will also start a long term partnership with a shipping company, so that we can reduce the shipping fees for our customers as well as our international customers.

In 1 year:

In the next year, we will set up a patent. This way we are able to protect ourselves and our unique idea as well as function like a real company on the market.

In 5 years:

We plan to expand to bordering countries through the home improvement store off, with which we collaborate now in Slovakia. It will be easier than expanding through our own e-shop, while that will still function as well. Other than that, our product will be available in other fireplace selling stores, not just Krby Turna.

In 20 years:

Assuming that every satisfied customer recommends our product to 2 more people, the estimated amount in which 75% of households in Slovakia that now burn wood, will heat with our briquettes is 10 years. So our realistic vision is that this will take no more than 20 years.



A SPECIAL THANKS TO:

EVA WOLFOVÁ JA SLOVENSKO Gymnázium Poštová 9



BRIAN JAKUBEC



