BUSINESS CASE FOR A TMCC 400 kW PLANT Sugar Cane Bagasse

June 2024

Executive Summary

- TMCC technology is an innovative waste management solution for the renewable energy market that manufactures turnkey plants that produce drop-in carbon neutral synthetic biofuels
- TMCC provides the highest efficiency, low-carbon renewable liquid synthetic fuel production to assist decarbonization efforts and achieve net-zero mobility
- Ecokat seeks investment in a TMCC plant for $3.5M and offers rights to the investor for future applications and territories of the TMCC technology
- The opportunity a TMCC plant brings is $2.0M+ USD annual cash flows
- Ecokat wil be responsable for the intial development, startup, consolidation and accelerated growth to operate and scale the business
- Our business model allows the investor for any number of plants to be operated, since each site works as an independent center

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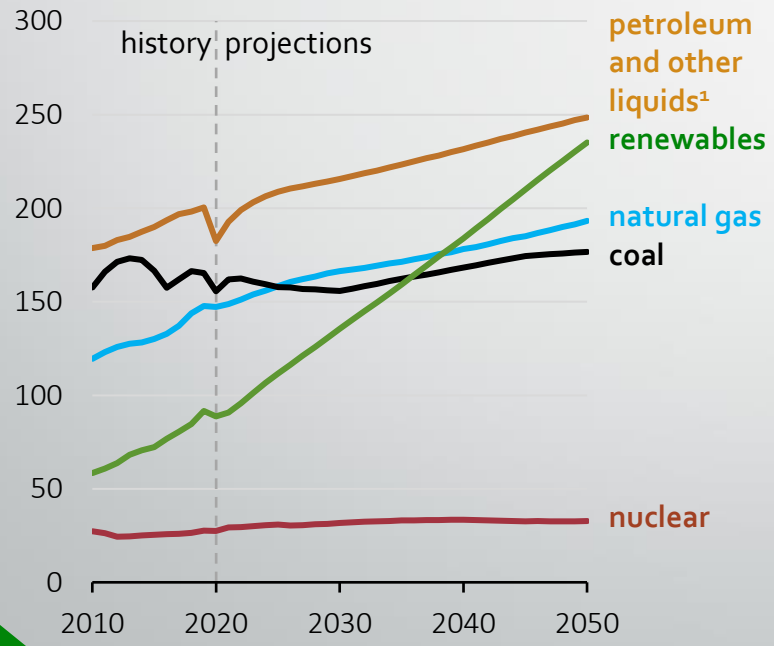
The world faces ever-rising fuel costs, scarcer resources & increased energy demand…

Primary energy consumption by energy source, world

quadrillion British thermal units



Traditional waste management solutions have tried to address these problems

- Landfills
- Incineration
- Gasification
- Waste centralization

…But current solutions like these have failed

Source: U.S. Energy Information Administration, International Energy Outlook 2021 (IEO2021) Reference case

¹ includes biofuels

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Our solution is to tap into hydrocarbons contained in waste to convert them into usable energy

Energy in waste can be contained in different forms:

- Solid or liquid fuel
- Thermal energy
- Electricity

Thermal Mechanical Catalytic Cracking (TMCC) mimics the natural process that takes millions of years to create fossil fuels in nature **in minutes**:

- Using crystalline activated molecular sieve powder catalysts
- Raising the temperature up to 380 °C from 15 °C in nature
- Converting kinetic to thermal energy by friction
- Producing effective mixing and degradation of solids
- Resulting in a high energetic yield

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TMCC produces sustainable synthetic diesel fuel at a fraction of fossil fuel costs with organic material

TMCC can process organic material like the following to produce sustainable fuels:

- Plastics mix and rubbers
- Crude oil, refining residue oils, bitumen, waste lubricants
- Mineral carbon
- Selected municipal solid waste (RDF)
- Biomass, cardboard, paper, wood, straw, grasses, bagasse
- Animal produce and waste

TMCC plants are 2-in-1 solution for decorbanization efforts of all industries:

- Reduce waste through circular economy cycle
- Maintain neutral CO_2 balance by emitting only CO_2 stored in waste

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TMCC Synthetic Fuel Specification

Synthetic Fuel Specification ULSFO
(Ultra Low Sulphur Fuel Oil)

Property	Test method	Measurement	Minimum	Maximum
Appearance	Visual	Optical	Tan/clear	clear
Color	ASTM D1500-02		0	2.5
Cetane Number	ASTM 976-91	ppm	45	none
Caloric Value	ASTM 2015	Kcal/kg	10,800	none
Sulfur Content	ASTM 4294-02	ppm	0	500
Flash point	ASTM 93-02	° C	56	none
Density	ASTM 1298-99	kg/l @ 15° C	0.82	0.86
Kinematic Viscosity	ASTM 445-03	cSt @40° C	1.5	5.5
Copper Corrosion	ASTM 130	3h @50° C (mm)	0	1.0
Ash	ASTM 482-02	% Weight	0	0.01
Water Content	ASMT 95	mg/kg	0	200
Residual Carbon	ASTM 189	10% resid, %wt	0	0.30
Distillation	ASTM 86	90% Recovery,°C	0	380

NOTE: This specification describes middle distillates in crude oil refining that are referring to **Diesel Fuel Grade No. 2-D S500** used for off- road engines and machinery which includes: Tractors, Harvesters, Cranes, Excavators, Boilers, Diesel power generators, Transport refrigeration units, **Marine diesel (MGO)**, and Heating applications.

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Our business model designs, manufactures, and commercializes waste to Energy TMCC plants

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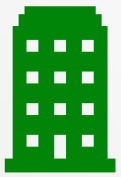
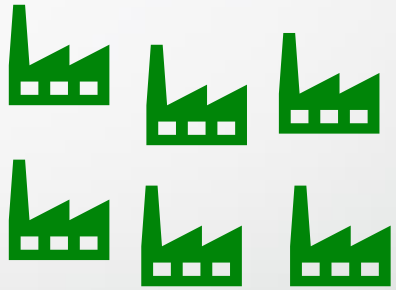


Investor



Manufactures and sells TMCC plants

- Oversees installation, comissioning, training, and operation of turnkey plants
- Leads R&D of projects

Purchases and operates TMCC plants

- Finances TMCC plants
- Operates own and/or third party plants
- Commercializes end products

TMCC plants manage waste & produce energy

- Eliminates landfill pollution
- Produces sustainable synthetic diesel with net-zero carbon footprint
- Independent profit center selling products

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Proposed investment of $3.5M to purchase a TMCC400 plant and investor rights in future projects

Investment is set at $3,500,000 USD:

- $3 Million USD in one turnkey TMCC 400 kW plant
- $500,000 USD of auxiliary equipment, commissioning and working capital during the construction period to finance the operation

Investment provides full ownership of TMCC400 plant and participation in future Ecokat projects with IRR of 25%+ in most conservative scenarios

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Current market state & competition landscape

Competitive analysis of TMCC Diesel , in direct numerical comparison to other biofuels:

Process	Efficiency*	Yield L/Ha/Y	Hu MJ/Kg	Density Kg/L	Yield toe/Ha/Y**	Costs $/L	Costs $/L Diesel***
Methanol	40-50%	5,000	21.1	0.80	2.0	0.40	0.92
Ethanol	33-50%	4,200	27.7	0.80	2.2	0.48	0.84
RME[1]	45-54%	1,600	37	0.90	1.3	0.61	0.71
FT Diesel[2]	40-47%	2,000	42.5	0.85	1.7	0.77	0.83
TMCC Diesel[3]	**75-80%**	**9,000**	**45**	**0.86**	**5.9**	**0.37**	**0.37**

Source: Ecokat analysis, 2023

* Energy efficiency = (calorific value of product – auxiliary power)/ calorific value of raw material
** 1 toe = energy equivalent of 1 metric ton of oil = 41.87 GJ
*** USD $/L Diesel = $/Lt Diesel equivalent = $/38.7 MJ

1. RME = Rapeseed-based Biodiesel
2. FT Diesel = Fischer-Tropsch method
3. For TMCC Diesel, costs can be substantially lowered with larger plants

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Each ton of diesel produced in TMCC prevents 3.143 tons of CO2 emissions compared to incineration

CO2 emissions analysis of TMCC Diesel , in direct numerical comparison to incineration:

Input Material	CO2 Produced by Incineration	Co2 Produced by TMCC Technology	Savings CO2 in %
Cellulose	100%	40.0%	60.0%
Cellulose & Rubber or Bitumen	100%	14.0%	86%
Oils and Plastics	100%	9.0%	91.0%

CO2 produced in the TMCC process originates solely form the oxygen contained in biomass and the exhaust of the power plant used to run the plant

Source: Ecokat analysis, 2023

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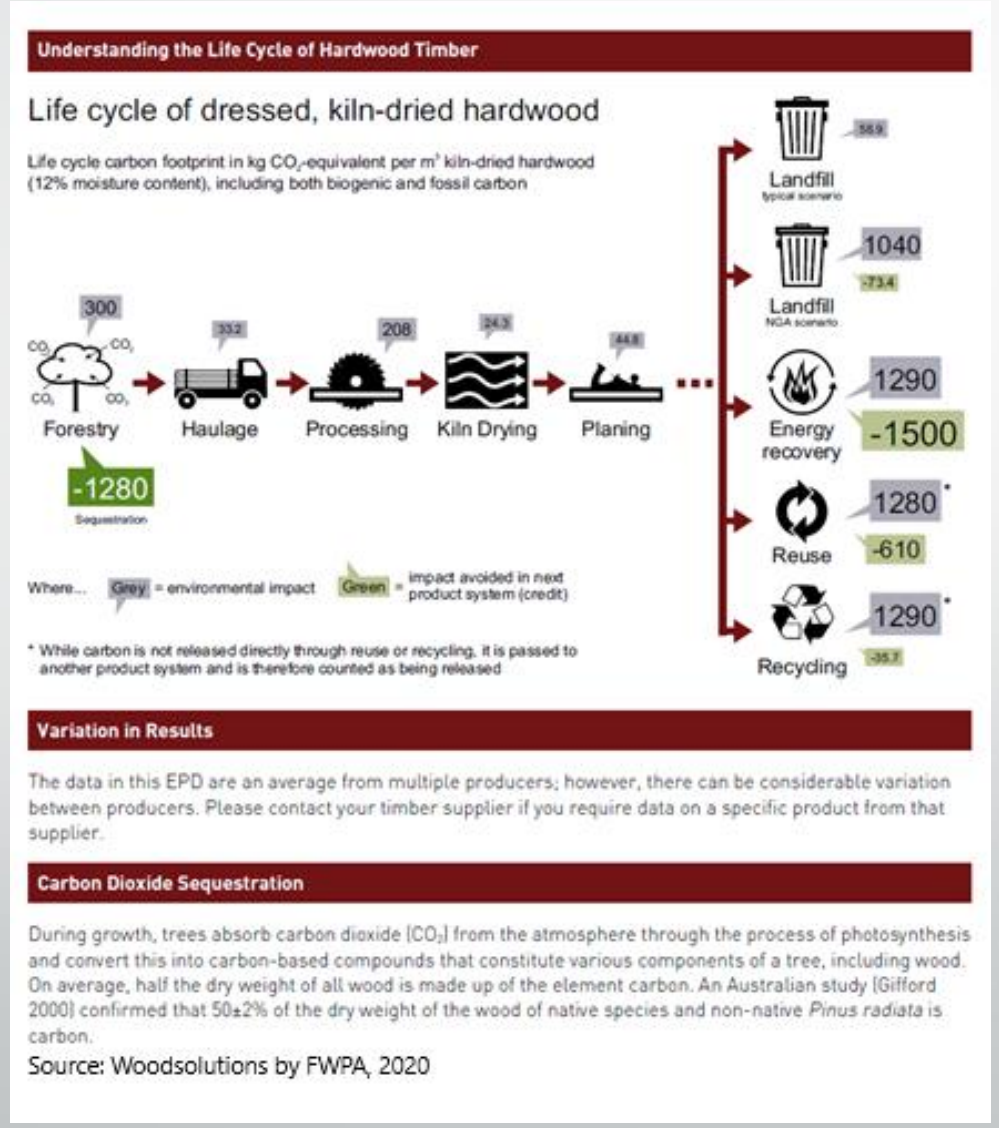
CARBON CREDITS-2.15 kg CO2e / liter of Synthetic Diesel
INCOME-Carbon allowance futures of $437,000 USD+ / yr



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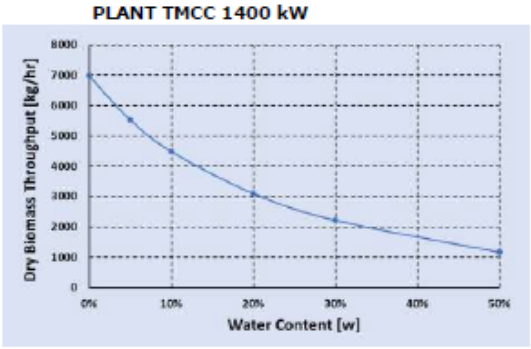
Financial Assumptions (1/2)

			Per day	Per month	Per Year
Plant Size TMCC 400 kW	671	l/h	16,108.75	483,262.36	4,639,318.67
Processing capacity	1,642	kg/h	39,408.00	1,182,240.00	11,349,504.00
Operation Time	6,912	h/year			
Main equipment cost	$3,500,000.00	USD			
Exchange Rate	1.00	usd/Euro			
Exchange Rate	17.50	Pesos/usd			
Calorific Value Sugar Cane Bagasse (SCB)	4,550	Mcal/ton			
Conversion factor	4.1858	J/Cal			
Calorifc Value SCB	19.05	MJ/kg			
Inert content other than sulfur and/or halogens	3.66%				
Content of sulfur and/or halogens in SCB	0.1%				
SCB Cost	$0.00	usd/ton			
Calorific Conversion to NON-CONDENSABLES	20.0%				
Calorifc Converson to DIESEL	80.000%	MJ-Diesel/MJ-SCB	80.000%	0.00	
	2.94	kg-SCB/kg-Diesel			
	2.45	kg-SCB/l-Diesel			
Diesel Density	0.832	kg/l			
Diesel calorific value HHV	44.8	MJ/kg			
Diesel calorific value LHV	43.4	MJ/kg			
Diesel Retail price pesos/l w/IVA	$25.00	pesos/l with IVA			
Diesel Retail price pesos/l w/o IVA	$21.55	pesos/l without IVA			
Diesel wholesale discount	25%				
Diesel Net Selling price	$0.92	usd/l			
Diesel Net Selling price	$1.11	usd/kg			
			descuento		
Catalyst Price	€ 3.30	euro/kg	0%		
Catalyst Price	$3.30	usd/kg			
Catalyst use	11.594	kg-zeolite/h (at steady state)			
Lime Price	$3.60	pesos/kg			
Lime Price	$0.21	usd/kg			
Kg Lime needed / kg sulfur and/or halogens in SCB	3.41				
Lime consumption	2.32	kg-lime/h			

Water content in SCB	Throughput kg/hr
0%	2000
10%	1285
20%	857
30%	571
40%	429
50%	286



Financial Assumptions (2/2)

Ash production (kg/h)	77.29	kg/h		
Hydrocarbon content in ash %	0.0%			
Hydrocarbon content in ash (kg/h)	0.00	kg/h		

Inorganic content in ash (kg/h)	77.29	kg/h	Concentración
Ash from inerts in SCB		60.10	
Ash from sulfur or halogei		3.28	
Total Ash		63.38	82.00%
Zeolite		11.59	15.00%
Unreacted Lime		2.32	3.00%

			descuento	
Asphalt selling price (usd/ton)	$0.00	usd/ton	100%	cemento asfáltico ac-20 finos pasan malla 200 hasta 12 a 14 %
Electricity Generation Efficiency	36%	MJ-Electricity/MJ-Diesel (LHV)		
Electricity Generation Efficiency	40%	MJ-Electricity/MJ-Gas (LHV)		
Electricity use	20%	of Diesel Output		
	134.2395448	l-diesel/h		
	7,002.40	Thermal MJ-Diesel/h		
	2,520.86	Electric MJ/h		
	700.24	kw		
	6,302.16	Thermal MJ-Gas (LHV)/h		
Gas consumption	7,029.74	Thermal MJ-Gas (HHV)/h		
Gas Cost	26.65	usd/h		
NYMEX Natural Gas Price	$2.50	usd/MMBtu-HHV		
Conversion Factor	947.82	BTU/MJ		
NYMEX Natural Gas Price	$2.37	usd/GJ-HHV		
Natural Gas LHV/HHV Ratio	89.65%			
Distribution Cost Factor	60%			
Natural Gas Price Mexico	$3.79	usd/GJ-HHV		

	Qty	Price	usd	%	kg / kg SCB	
Primary Diesel Production (l)	4,639,319	$0.92	$4,285,085		34.01%	
Secondary Diesel Production from Asphalt (l)	0	$0.92	$0		0.00%	0.0% % de recuperación diesel secundario de cenizas
Total Revenue			$4,285,085	100.0%	34.01%	
SCB (ton)	11,350	$0.00	$0	0.0%	100.00%	
Catalyst (kg)	80,139	$3.30	($264,457)	-6.2%	0.71%	
Lime (kg)	16,028	$0.21	($3,297)	-0.1%	0.14%	
Gas (GJ-HHV)	48,590	$0.00	$0	0.0%	0.43%	
Waste disposal of ashes (kg)	534,257	$0.09	($45,793)	-1.1%	4.71%	$1.50 costo de confinamiento, MXP/kg de residuos
Total Variable Material Costs			(313,548)	-7.3%		
Marginal Contribution			3,971,537	92.7%		

NOTES:
The plant consumes electricity equivalent in natural gas to 20% of the diesel production.
The price of natural gas in Mexico (including distribution cost) is equal to 1.6 times NYMEX Natural Gas Price.

10-year financial valuations sees ROE of 55%

	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034
= EBITDA		-1,066,498	2,613,502	2,613,502	2,613,502	2,613,502	2,613,502	2,613,502	2,613,502	2,613,502	2,613,502
- Taxes & PTU		0	465,315	785,565	786,115	786,665	787,216	787,767	788,319	788,871	789,423
= EBI after Taxes		-1,066,498	2,148,188	1,827,937	1,827,387	1,826,837	1,826,286	1,825,735	1,825,183	1,824,631	1,824,079
+ Depreciation		3,500,000	0	0	0	0	0	0	0	0	0
+ Income Plant Sales		0	0	0	0	0	0	0	0	0	0
= EBI after Depreciation		2,433,502	2,148,188	1,827,937	1,827,387	1,826,837	1,826,286	1,825,735	1,825,183	1,824,631	1,824,079
+ Increase Acc. Payable		26,129	0	0	0	0	0	0	0	0	0
- Increase Cash		30,701	0	0	0	0	0	0	0	0	0
- Increase Acc. Receivable		428,508	0	0	0	0	0	0	0	0	0
- Increase Inventory		22,313	0	0	0	0	0	0	0	0	0
= Operating Cash Flow after Taxes		1,978,109	2,148,188	1,827,937	1,827,387	1,826,837	1,826,286	1,825,735	1,825,183	1,824,631	1,824,079
- Investment in Fixed Assets	3,500,000	0	0	0	0	0	0	0	0	0	0
= Free Cash Flow after Taxes	-3,500,000	1,978,109	2,148,188	1,827,937	1,827,387	1,826,837	1,826,286	1,825,735	1,825,183	1,824,631	1,824,079
Terminal Value in 2034											3,265,600
Cash Flows for Project IRR calculation	-3,500,000	1,978,109	2,148,188	1,827,937	1,827,387	1,826,837	1,826,286	1,825,735	1,825,183	1,824,631	5,089,678

Internal Rate of Return (IRR) **55.86%**

55.86%

0.00 Goal seek = 0

CALCULATION OF RETURN ON EQUITY (ROE)

Weighted Average Capital Cost (WACC)	55.86%
Bank Loan Interest Rate	10.00%
Effective Rate Taxes + PTU	30.13%
Leverage Liabilities / Capital	0.0
Return on Equity (ROE)	**55.86%**

Present Value FCF 2025 - 2034	3,461,391
Present Value Terminal Value	38,609
Present Value of the Business	3,500,000
Bank Debt 31 Dic 2024	0
Net Present Value FCF for Shareholders	3,500,000
Cash Investments ST 2024	0
Net Present Value of the Capital	**3,500,000**

P&L Statement (1/2)

NET Diesel for sale	**80%**	**80%**	**80%**	**80%**	**80%**	**80%**	**80%**	**80%**	**80%**	**80%**
	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034
Volume Diesel (liters)	3,711,455	3,711,455	3,711,455	3,711,455	3,711,455	3,711,455	3,711,455	3,711,455	3,711,455	3,711,455
Price Diesel (US$/l)	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Sales Diesel (US$)	3,428,068	3,428,068	3,428,068	3,428,068	3,428,068	3,428,068	3,428,068	3,428,068	3,428,068	3,428,068
Asphalt Secondary (kilos)	0	0	0	0	0	0	0	0	0	0
Price Asphalt Secondary (US$/kg)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sales Asphalt Secondary (US$)	0	0	0	0	0	0	0	0	0	0
Total Sales (US$)	**3,428,068**	**3,428,068**	**3,428,068**	**3,428,068**	**3,428,068**	**3,428,068**	**3,428,068**	**3,428,068**	**3,428,068**	**3,428,068**
Volume of CA (ton)	11,350	11,350	11,350	11,350	11,350	11,350	11,350	11,350	11,350	11,350
Price of CA (US$/ton)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cost CA (US$)	0	0	0	0	0	0	0	0	0	0
Volume of CAT (ton)	80,139	80,139	80,139	80,139	80,139	80,139	80,139	80,139	80,139	80,139
Price of CAT (US$/ton)	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
Cost CAT (US$)	264,457	264,457	264,457	264,457	264,457	264,457	264,457	264,457	264,457	264,457
Volume of LIME (ton)	16,028	16,028	16,028	16,028	16,028	16,028	16,028	16,028	16,028	16,028
Price of LIME (US$/ton)	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21
Cost LIME (US$)	3,297	3,297	3,297	3,297	3,297	3,297	3,297	3,297	3,297	3,297
Volume of GAS (ton)	38,872	38,872	38,872	38,872	38,872	38,872	38,872	38,872	38,872	38,872
Price of GAS (US$/ton)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cost GAS (US$)	0	0	0	0	0	0	0	0	0	0
Volume of ash to Landfill (kg)	534,257	534,257	534,257	534,257	534,257	534,257	534,257	534,257	534,257	534,257
Price of Landfill (US$/kg)	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09
Cost of Landfill (US$)	45,793	45,793	45,793	45,793	45,793	45,793	45,793	45,793	45,793	45,793
Variable Costs (US$)	**313,548**	**313,548**	**313,548**	**313,548**	**313,548**	**313,548**	**313,548**	**313,548**	**313,548**	**313,548**
Marginal Contribution (US$)	**3,114,520**	**3,114,520**	**3,114,520**	**3,114,520**	**3,114,520**	**3,114,520**	**3,114,520**	**3,114,520**	**3,114,520**	**3,114,520**
	90.9%	90.9%	90.9%	90.9%	90.9%	90.9%	90.9%	90.9%	90.9%	90.9%

P&L Statement (2/2)

Labor	179,957	179,957	179,957	179,957	179,957	179,957	179,957	179,957	179,957	179,957
Depreciation	3,500,000	0	0	0	0	0	0	0	0	0
Utilities	8,229	8,229	8,229	8,229	8,229	8,229	8,229	8,229	8,229	8,229
Maintenace	177,416	177,416	177,416	177,416	177,416	177,416	177,416	177,416	177,416	177,416
Operating Expenses	57,680	57,680	57,680	57,680	57,680	57,680	57,680	57,680	57,680	57,680
Cost of Goods Sold	**4,236,829**	**736,829**	**736,829**	**736,829**	**736,829**	**736,829**	**736,829**	**736,829**	**736,829**	**736,829**
Gross Margin	-808,761	2,691,239	2,691,239	2,691,239	2,691,239	2,691,239	2,691,239	2,691,239	2,691,239	2,691,239
Admin & Sales Expenses	77,737	77,737	77,737	77,737	77,737	77,737	77,737	77,737	77,737	77,737
Direction	180,000	0	0	0	0	0	0	0	0	0
Operating Profit	**-1,066,498**	**2,613,502**	**2,613,502**	**2,613,502**	**2,613,502**	**2,613,502**	**2,613,502**	**2,613,502**	**2,613,502**	**2,613,502**
	-31%	76%	76%	76%	76%	76%	76%	76%	76%	76%
Interest Income	990	3,055	5,047	6,880	8,715	10,552	12,389	14,228	16,068	17,909
Interest Expense	0	0	0	0	0	0	0	0	0	0
Income plant sales	0	0	0	0	0	0	0	0	0	0
Profit before Taxes & PTU	**-1,065,508**	**2,616,557**	**2,618,549**	**2,620,383**	**2,622,217**	**2,624,054**	**2,625,891**	**2,627,730**	**2,629,570**	**2,631,411**
Income Tax	0	465,315	785,565	786,115	786,665	787,216	787,767	788,319	788,871	789,423
PTU	0	0	0	0	0	0	0	0	0	0
Net Profit	**-1,065,508**	**2,151,242**	**1,832,984**	**1,834,268**	**1,835,552**	**1,836,838**	**1,838,124**	**1,839,411**	**1,840,699**	**1,841,988**
	-31%	63%	53%	54%	54%	54%	54%	54%	54%	54%
Income Tax Rate + PTU	0.00%	17.78%	30.00%	30.00%	30.00%	30.00%	30.00%	30.00%	30.00%	30.00%

Balance Statement

	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034
Cash		30,701	30,701	30,701	30,701	30,701	30,701	30,701	30,701	30,701	30,701
Investments Short Term	0	1,979,098	4,130,340	5,963,325	7,797,592	9,633,145	11,469,982	13,308,106	15,147,517	16,988,216	18,830,204
Accounts Receivable		428,508	428,508	428,508	428,508	428,508	428,508	428,508	428,508	428,508	428,508
Inventory		22,313	22,313	22,313	22,313	22,313	22,313	22,313	22,313	22,313	22,313
Current Assets	0	2,460,621	4,611,863	6,444,847	8,279,115	10,114,667	11,951,505	13,789,629	15,629,040	17,469,739	19,311,727
Land		0	0	0	0	0	0	0	0	0	0
Buildings		0	0	0	0	0	0	0	0	0	0
Plant and Equipment	3,500,000	3,500,000	3,500,000	3,500,000	3,500,000	3,500,000	3,500,000	3,500,000	3,500,000	3,500,000	3,500,000
Accumulated Depreciation		3,500,000	3,500,000	3,500,000	3,500,000	3,500,000	3,500,000	3,500,000	3,500,000	3,500,000	3,500,000
Plant and Equipment Net	3,500,000	0	0	0	0	0	0	0	0	0	0
Fixed Assets	3,500,000	0	0	0	0	0	0	0	0	0	0
TOTAL ASSETS	**3,500,000**	**2,460,621**	**4,611,863**	**6,444,847**	**8,279,115**	**10,114,667**	**11,951,505**	**13,789,629**	**15,629,040**	**17,469,739**	**19,311,727**
Accounts Payable		26,129	26,129	26,129	26,129	26,129	26,129	26,129	26,129	26,129	26,129
Bank Loans Short Term		0	0	0	0	0	0	0	0	0	0
Current Liabilities		26,129	26,129	26,129	26,129	26,129	26,129	26,129	26,129	26,129	26,129
Bank Loans Long Term	0	0	0	0	0	0	0	0	0	0	0
TOTAL LIABILITIES	0	26,129	26,129	26,129	26,129	26,129	26,129	26,129	26,129	26,129	26,129
Common Stock	3,500,000	3,500,000	3,500,000	3,500,000	3,500,000	3,500,000	3,500,000	3,500,000	3,500,000	3,500,000	3,500,000
Retained Earnings		-1,065,508	1,085,734	2,918,718	4,752,986	6,588,538	8,425,376	10,263,500	12,102,911	13,943,610	15,785,598
NET WORTH	3,500,000	2,434,492	4,585,734	6,418,718	8,252,986	10,088,538	11,925,376	13,763,500	15,602,911	17,443,610	19,285,598
TOTAL LIBILITIES + NET WORTH	**3,500,000**	**2,460,621**	**4,611,863**	**6,444,847**	**8,279,115**	**10,114,667**	**11,951,505**	**13,789,629**	**15,629,040**	**17,469,739**	**19,311,727**

Team has 30+ years experience in the production of biofuels & waste management industries

Marcelo Fernandez

- Founder of Ecokat (2007) as a producer of sustainable fuels with net-zero carbon footprint
- Patent holder as Inventor (US10953381 B1, Mar 2021), Chemical Reactor for Catalytic Conversion of Organic Material into Diesel and other Liquid Fuels
- 2x Founder of waste management companies : Aquarec (2017), Ecoquim (1990)
- BS in Chemical Engineering and Computer Systems ITESM
- MBA University of Texas at Austin

Thermtech AS

- Norwegian Technology with patented thermal desorption technology (Thermomechanical Cuttings Cleaner or TCC)
- Plant manufacturers with 60+ plants operating around the world

Associated risks & mitigation strategies

Risks

- All tests conducted to date performed in limited scale environment and not tested on large-scale commercial basis
- Never utilized the TMCC technology under the conditions or in volumes that will be required to be profitable and cannot predict difficulties that may arise
- May require regulatory approvals and environmental permits by application and by country

Mitigation

- Strength of intellectual property rights related to this technology patented by inventor Thermtech in Norway
- Proprietary and confidential Catalytic *know-how* developed by ECOKAT
- Full (Ecokat & Thermtech) technical support to take client from regulatory (permits) and proof of concept, to validation of technology, optimization of process, and plant scalability to large-scale commercial basis
- Catalyst used in TMCC technology is not protected by patent and is readily available worldwide

ECOKAT

Multipurpose TMCC Plant applications

1. Chemical catalytic oiling and liquid fuel synthesis process
2. Thermal desorption of sludges and muds in multiple industries
3. Thermo mechanical dryer for treatment of sticky materials
4. Upgrading for heavy oils, crude conversion, vacumm bottoms, and bitumen

ECOKAT

Large-scale commercial example

TMCC 400 kW FUTURE PLANT SALES FOR MSW - Total 96

A future business opportunity for the Client includes plant operation earnings from the future sale of TMCC Plants in the Latin America region for processing and servicing MSW:

- 2 TMCC 400 kW Plants in year 1
- 8 TMCC 400 kW Plants in year 2
- 16 TMCC 400 kW Plants in year 3
- 32 TMCC 400 kW Plants in year 4
- 38 TMCC 400 kW Plants in year 5

The installation of 96 TMCC 400 kW Plants in the region in a span of 5 years **represent the coverage of 6% of the total MSW produced** and sent to official landfills in Mexico, and **around 20% of the total RDF that can be produced from MSW**.

The selling of the diesel produced by the 96 TMCC 400 kW plants represents the coverage of **less than 3.5% of the total diesel consumed in Mexico**. For the investor, **96 plants represent total sales of $500M USD**.

ECOKAT

TMCC technology offers the most effective, efficient, ethical and ecological solutions with high returns

- Effective: Positive energy balance, energetic yields of 80%, flexible organic feedstock.
- Efficient: Cost competitive, scaling/modular operations, simple process.
- Ethical: Not competing with food chain
- Ecological: Environmentally friendly (process emissions free, type of chemicals used, by-products produced)

ECOKAT

Thank you

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