

ADGEX- Corporate Business Model
Production and Financials Schedule
Real 2018 USD unless otherwise stated

8760

Production & Operating Costs			Ave	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Production															
Green Blaze Machine															
	Green Blaze 200	Units per month	8		96	96	96	96	96	96	96	96	96	96	96
	Green Blaze 1000	Units per month	8		96	96	96	96	96	96	96	96	96	96	96
Energy Brick															
	Energy Brick(NiZn)				60	60	60	60	60	60	60	60	60	60	60
	Energy Brick(NiCd)				65	65	65	65	65	65	65	65	65	65	65
ViTim															
	Sapphire in boules	kg			1,600	1,600	1,600	1,600	1,600	1,600	1,600	1,600	1,600	1,600	1,600
	Titanium-dopped sapphire	kg			120	120	120	120	120	120	120	120	120	120	120
	Zinc tungstate crystals	kg			600	600	600	600	600	600	600	600	600	600	600
	Cadmium arsenide crystals	kg			600	600	600	600	600	600	600	600	600	600	600
	Gallium arsenide crystals	kg			360	360	360	360	360	360	360	360	360	360	360
	Crystals of yttrium garnet with neodymium	kg			120	120	120	120	120	120	120	120	120	120	120
	Microchip 1	pcs			2,400	2,400	2,400	2,400	2,400	2,400	2,400	2,400	2,400	2,400	2,400
	Wireless Transmitter-Receiver	pcs			2,400	2,400	2,400	2,400	2,400	2,400	2,400	2,400	2,400	2,400	2,400
	Microchip 3	pcs			2,400	2,400	2,400	2,400	2,400	2,400	2,400	2,400	2,400	2,400	2,400
	Lamp	pcs			600,000	600,000	600,000	600,000	600,000	600,000	600,000	600,000	600,000	600,000	600,000
	Microchip 4	pcs			11,600	11,600	11,600	11,600	11,600	11,600	11,600	11,600	11,600	11,600	11,600

Cost															
Marketing Cost			USD 000 per month	200	2	2	2	2	2	2	2	2	2	2	2
Administrative cost			USD 000 per month	100	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
Research and development Cost			USD 000 per month	700	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4
Green Blaze Machine															
	Green Blaze 200	USD 000	100		9.60	9.60	9.60	9.60	9.60	9.60	9.60	9.60	9.60	9.60	9.60
	Green Blaze 1000	USD 000	300		28.80	28.80	28.80	28.80	28.80	28.80	28.80	28.80	28.80	28.80	28.80
Energy Brick															
	Energy Brick(NiZn)	USD 000	42.0		2.52	2.52	2.52	2.52	2.52	2.52	2.52	2.52	2.52	2.52	2.52
	Energy Brick(NiCd)	USD 000	42.0		2.73	2.73	2.73	2.73	2.73	2.73	2.73	2.73	2.73	2.73	2.73
ViTim															
	Sapphire in boules		60		0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
	Titanium-dopped sapphire		60		0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
	Zinc tungstate crystals		600		0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36
	Cadmium arsenide crystals		600		0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36
	Gallium arsenide crystals		2,400		0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86
	Crystals of yttrium garnet with neodymium		600		0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07
	Microchip 1		5		0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
	Wireless Transmitter-Receiver		25		0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
	Microchip 3		25		0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
	Lamp		1		0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60
	Microchip 4		50		0.58	0.58	0.58	0.58	0.58	0.58	0.58	0.58	0.58	0.58	0.58
Total Cost					58.72	58.72	58.72	58.72	58.72	58.72	58.72	58.72	58.72	58.72	58.72

Capital Expenditure			Total	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Project Capital															
	Green Blaze	USD thousand	46,180	45,000	15,000	-	-	-	-	-	-	-	-	-	-
	Green Blaze	USD thousand	9,980												
	Energy Brick	USD thousand	16,500												
	VITIM	USD thousand	19,700												
Working capital			USD thousand	25,399	-	2,309	2,309	2,309	2,309	2,309	2,309	2,309	2,309	2,309	2,309

Financial Statement				2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Revenue			USD million		334	334	334	334	334	334	334	334	334	334	334
Green Blaze Machine															
	Green Blaze 200	USD 000	180		17.28	17.28	17.28	17.28	17.28	17.28	17.28	17.28	17.28	17.28	17.28
	Green Blaze 1000	USD 000	700		67.20	67.20	67.20	67.20	67.20	67.20	67.20	67.20	67.20	67.20	67.20
Energy Brick															
	Energy Brick(NiZn)	USD thousand	120		7.20	7.20	7.20	7.20	7.20	7.20	7.20	7.20	7.20	7.20	7.20
	Energy Brick(NiCd)	USD thousand	120		7.80	7.80	7.80	7.80	7.80	7.80	7.80	7.80	7.80	7.80	7.80
ViTim															
	Sapphire in boules	USD	1500		24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00
	Titanium-dopped sapphire	USD	8000		9.60	9.60	9.60	9.60	9.60	9.60	9.60	9.60	9.60	9.60	9.60
	Zinc tungstate crystals	USD	4000		24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00
	Cadmium arsenide crystals	USD	4000		24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00
	Gallium arsenide crystals	USD	8000		28.80	28.80	28.80	28.80	28.80	28.80	28.80	28.80	28.80	28.80	28.80
	Crystals of yttrium garnet with neodymium	USD	8000		9.60	9.60	9.60	9.60	9.60	9.60	9.60	9.60	9.60	9.60	9.60
	Microchip 1	USD	100		2.40	2.40	2.40	2.40	2.40	2.40	2.40	2.40	2.40	2.40	2.40
	Wireless Transmitter-Receiver	USD	500		12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
	Microchip 3	USD	1000		24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00
	Lamp	USD	3		18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00
	Microchip 4	USD	500		58.00	58.00	58.00	58.00	58.00	58.00	58.00	58.00	58.00	58.00	58.00
Operating Cost			USD million	-	58.72	58.72	58.72	58.72	58.72	58.72	58.72	58.72	58.72	58.72	58.72
Operating Profit					275	275	275	275	275	275	275	275	275	275	275
Depreciation (25%)				0	0.00	0.00	11.55	8.66	9.38	9.20	9.25	9.23	9.24	9.24	9.24
Interest Cost				2.25	3.00	2.77	2.54	2.31	2.08	1.85	1.61	1.38	1.15	0.92	0.69
Net Profit				-2.25	272.16	272.39	261.08	264.19	263.70	264.11	264.30	264.54	264.77	265.00	265.23
Company Tax(@30% of net profit)				0.00	80.97	81.72	78.32	79.26	79.11	79.23	79.29	79.36	79.43	79.50	79.57
Free Cash Flow			with RRT	-	47.25	176.19	186.05	189.68	188.98	189.35	189.46	189.64	189.79	189.96	190.12
Free Cash Flow for Equity				-	47	176	187	191	190	190	191	191	191	191	191

Project IRR 378%
Equity IRR(30% Equity) 383%

Interest Rate 5.00%

	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Opening	-	45.00	60.00	55.38	50.76	46.15	41.53	36.91	32.29	27.67	23.06	18.44
Addition	45.00	15.00	-	-	-	-	-	-	-	-	-	-
Repayment	-	-	4.62	4.62	4.62	4.62	4.62	4.62	4.62	4.62	4.62	4.62
Closing	45.00	60.00	55.38	50.76	46.15	41.53	36.91	32.29	27.67	23.06	18.44	13.82
Interest ('000000)	2.25	3.00	2.77	2.54	2.31	2.08	1.85	1.61	1.38	1.15	0.92	0.69
Interest ('000000)	2.25	3.00	2.77	2.54	2.31	2.08	1.85	1.61	1.38	1.15	0.92	0.69
Equity	0	0										
30%	13.50	4.50										
Opening	-	31.50	42.00	37.80	33.60	29.40	25.20	21.00	16.80	12.60	8.40	4.20
Addition	31.50	10.50	-	-	-	-	-	-	-	-	-	-
Repayment	-	-	4.20	4.20	4.20	4.20	4.20	4.20	4.20	4.20	4.20	4.20
Closing	31.50	42.00	37.80	33.60	29.40	25.20	21.00	16.80	12.60	8.40	4.20	-
Interest ('000)	1.58	2.10	1.89	1.68	1.47	1.26	1.05	0.84	0.63	0.42	0.21	-
Interest ('000)	1.58	2.10	1.89	1.68	1.47	1.26	1.05	0.84	0.63	0.42	0.21	-

Capital Cost Summary	Units	UG	OC
Owners Costs	AUD m	36	36
Surface Infrastructure	AUD m	249	352
Coal Handling and Prep Plant	AUD m	187	189
Mining Plant and Equipment	AUD m	215	456
Underground Infrastructure	AUD m	145	
Total	AUD m	830	1 033

Capital Cost Breakdown	Units	UG	OC
Owners Team	AUD 000	11 000	11 000
Land Acquisition	AUD 000	25 000	25 000
Owners Costs	AUD 000	36 000	36 000

Utilities	AUD 000	36 231	47 368
On-Site Civils	AUD 000	72 702	134 455
Accommodation	AUD 000	82 608	91 948
Mine Industrial Area	AUD 000	10 712	11 834
Services	AUD 000	22 586	31 442
Contractor Indirects	AUD 000	23 669	34 899
Surface Infrastructure	AUD 000	248 507	351 946

Coal Handling Plant	AUD 000	102 209	104 709
Coal Preparation Plant	AUD 000	84 344	84 344
Coal Handling and Prep Plant	AUD 000	186 553	189 053

Rope shovels	AUD 000		69 624
Excavators and drills	AUD 000		42 007
Trucks	AUD 000		292 656
Ancillary	AUD 000		38 368
Development	AUD 000	39 256	
Longwall	AUD 000	157 109	
Transport	AUD 000	18 303	-
Minor Equipment	AUD 000	-	12 854
Mining Plant and Equipment	AUD 000	214 668	455 509

Access	AUD 000	48 565	
U/G Conveyors/Coal Handling	AUD 000	76 808	
Services	AUD 000	8 250	
Ventilation	AUD 000	11 025	
Other	AUD 000	-	
Underground Infrastructure	AUD 000	144 648	-

Sub total	AUD 000	830 377	1 032 509
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