January 12, 2024

A2Z Smart Technologies Corp. (AZ) NRF is A2Z's First Chance to Prove They're Actually Smart

It has not been the smoothest of rides for A2Z (AZ: Buy, PT \$18), with shares hovering near 52-week lows following another raise announcement last week. Some of the wounds have admittedly been self-inflicted, including too much hype around major deals that were not official purchase orders this past summer. Some of the hurdles have also been out of their control, including several timing-related install issues and a much harder operating environment since the Hamas terrorist attack on October 7th. Despite all of that, CEO Guy Mordoch, who has been on the job less than a year, has managed to take a haphazard business structure and turn it into a real platform with a high quality team, securing real purchase orders with the Casino Group in France (30,000 carts between now and 2026), follow-on orders from Yochananof and Hastok in Israel (2,700 carts total), and a 20,000 cart order from HEX 1011 for the Asia Pacific region between now and 2025. We suspect that 2024 could represent the first leg of a rapid land grab as the industry moves away from self-checkout, with A2Z having one of the leading offerings in the space from a technological perspective. A lot can happen over the course of the year, but assuming modest delivery numbers and the cost benefit from the newly announced 3.0 cart, we think A2Z could be cash flow breakeven by the fourth quarter.

The media has officially pronounced self-checkout as dead. While it may take some time for the retailers to get on board, there is no doubt that interest in smart shopping cart technology has skyrocketed heading into this year. Many of the headlines continue to focus on reducing shrink (theft) but the thought leaders in the space have their eyes on a bigger prize – retail media. We have always thought of A2Z as more of a data/software rather than a hardware play, and if press reports around some of their more notable wins are accurate, including the still-looming potential for a massive Carrefour partnership, the monthly subscription on a per cart basis is peanuts compared to the revenue generation opportunity provided by things like proactive couponing. To add some perspective/put things into context, we estimate that the average monthly subscription fee for an A2Z smart cart is ~\$150 dollars. Even assuming a less than 50/50 revenue split for some of the larger chains, we estimate that retail media dollars could be multiples of the monthly sub cost in revenue to A2Z alone. Meanwhile, we expect A2Z will be able to begin shipping their gen 3.0 cart early this year, with the cost per cart getting halved by 3Q thanks to better sourcing and internal, organic parts development.

To that end, we are assuming A2Z will attempt to trudge along until the new carts can be shipped at half the price, resulting in a more back-end loaded revenue ramp. Our 2024 estimate calls for 9,000 carts to be deployed this year, with only 2,000 in 1H24. Between better cost management, financing, and a growing subscription fee, however, cash burn should be manageable post raise until an inflection point later this year, likely in 4Q, at which point A2Z should be self-funding. A2Z still needs more proof points, but if they pull it off, shares would likely be multiples higher.

FY Dec		Q1	Q2	Q3	Q4	Prior	Total	EV/EBITDA
EBITDA	2022A	(\$3)A	(\$3)A	(\$2)A	(\$4)A		(\$11)A	-0x
	2023E	(\$2)A	(\$0)A	(\$4)A	(\$4)E	(\$11)E	(\$10)E	-0x
	2024E	(\$3)E	(\$2)E	(\$1)E	(\$0)E	(\$14)E	(\$7)E	-0x
Revenue (m)	2022A	\$1A	\$1A	\$3A	\$4A		\$9A	
	2023E	\$5A	\$3A	\$3A	\$2E	\$15E	\$13E	
	2024E	\$0E	\$1E	\$4E	\$6E	\$35E	\$11E	

Change in Earnings Forecast

Rating:	Buy
Current Price	\$1.09
Price Target	\$18.00
52-Wk Range	\$1.00 - \$3.04
Market Cap (mm)	\$44
Enterprise Value (mm)	\$38
Shares Outstanding (mm)	40
Average Volume (000s)	62
Sector Weight	Overweight



Daniel L. Kurnos, CFA

(561) 914-7882 dkurnos@benchmarkcompany.com

For important disclosures, see Page 6

A2Z Valuation Analysis		
(\$ in millions, except per share data)		
Fiscal Year Ending December 31,	PF2024E	PF2025E
Stock Price	\$1.09	\$1.09
_		
Revenue		
Diluted Shares	41,000	41,000
Market Capitalization	\$43,600	\$43,600
Total Debt	(1,388)	(1,388)
Cash	6,728	6,728
Enterprise Value	38,260	38,260
Revenue	10,800	69,825
Multiple	3.5x	0.5x
Target Multiple		13x
Implied Price		\$17.82
Price Target		\$17.83
Upside to Target		1535.4%

Source: Company reports and The Benchmark Company Estimates.

A2Z Smart Technologies Corp. (AZ)

Fiscal Year Ending December 31, Revenues YrYr. Pct. Change COGS Pct. of Revenue Stross Profit Pct. of Revenue YrYr. Pct. Change Operating expenses Research and Development Pct. of Revenue	\$2,685 0.0% (2,029) 75.6% 656 24.4% 205.1% (3,222) 120.0%	9,351 0.0% (7,517) 80.4% 1,834 19.6% 179.6%	12,895 37.9% (9,490) 73.6% 3,404 26.4% 85.6%	10,800 -16.2% (9,185) 85.0% 1,615 15.0% -52.6%	69,825 546.5% (43,056 61.7% 26,769 38.3% 1557.5%
YrYr. Pct. Change COGS Pct. of Revenue Gross Profit Pct. of Revenue YrYr. Pct. Change Operating expenses Research and Development	0.0% (2,029) 75.6% 656 24.4% 205.1% (3,222)	0.0% (7,517) 80.4% 1,834 19.6% 179.6%	37.9% (9,490) 73.6% 3,404 26.4%	-16.2% (9,185) 85.0% 1,615 15.0%	546.5% (43,056) 61.7% 26,769 38.3%
COGS Pct. of Revenue Gross Profit Pct. of Revenue YrYr. Pct. Change Operating expenses Research and Development	(2,029) 75.6% 656 24.4% 205.1% (3,222)	(7,517) 80.4% 1,834 19.6% 179.6%	<mark>(9,490)</mark> 73.6% 3,404 26.4%	(9,185) 85.0% 1,615 15.0%	(43,056 61.7% 26,769 38.3%
Pct. of Revenue Gross Profit Pct. of Revenue YrYr. Pct. Change Operating expenses Research and Development	75.6% 656 24.4% 205.1% (3,222)	80.4% 1,834 19.6% 179.6%	73.6% 3,404 26.4%	85.0% 1,615 <i>15.0%</i>	61.7% 26,769 38.3%
Gross Profit Pct. of Revenue YrYr. Pct. Change Operating expenses Research and Development	656 24.4% 205.1% (3,222)	1,834 19.6% 179.6%	3,404 26.4%	1,615 <i>15.0%</i>	26,769 38.3%
Pct. of Revenue YrYr. Pct. Change Operating expenses Research and Development	24.4% 205.1% (3,222)	19.6% 179.6%	26.4%	15.0%	38.3%
YrYr. Pct. Change Dperating expenses Research and Development	205.1%	179.6%			
Operating expenses Research and Development	(3,222)		85.6%	-52.6%	1557.5%
Research and Development	· · · · · · · · · · · · · · · · · · ·	(4.462)			
•	· · · · · · · · · · · · · · · · · · ·	(4.460)			
Pct. of Revenue	120.0%	(4,462)	(4,648)	(5,604)	(6,604
	0.070	47.7%	36.0%	51.9%	9.5%
Sales and Marketing	(102)	(475)	(796)	(1,100)	(2,000
Pct. of Revenue	3.8%	5.1%	6.2%	10.2%	2.9%
General and Administrative	(6,494)	(13,599)	(14,025)	(15,250)	(18,500
Pct. of Revenue	241.9%	145.4%	108.8%	141.2%	26.5%
Total Operating Expense	(9,818)	(18,536)	(19,469)	(21,954)	(27,104
Pct. of Revenue	365.7%	198.2%	151.0%	203.3%	38.8%
Adjusted EBITDA	(7,999)	(11,048)	(9,947)	(6,589)	15,665
YrYr. Pct. Change	0.0%	0.0%	-10.0%	-33.8%	-337.7%
EBITDA margin	-297.9%	-118.1%	-77.1%	-61.0%	22.4%
Depreciation and amortization	321	786	984	3,750	6,000
Stock based compensation & Other	842	4,868	5,134	10,000	10,000
Dperating income	(\$9,162)	(16,702)	(16,065)	(20,339)	(335
Dperating margin	-341.2%	-178.6%	-124.6%	-188.3%	-0.5%
Dther, Net	(30,895)	(254)	3,570	2,000	2,000
Financial Expense, Net	(91)	(1,391)	(228)	416	416
ncome before taxes	(40,148)	(18,347)	(12,723)	(17,923)	2,081
Tax provisions	(142)	0	0	0	, (
Tax percentage	-0.4%	0.0%	0.0%	0.0%	0.0%
Other Comprehensive/Non-Controlling Interest	555	864	186	0	C
Net Loss Attributable to A2Z Shareholders	(\$39,735)	(\$17,483)	(\$12,537)	(\$17,923)	\$2,081
PS	(\$1.70)	(\$0.70)	(\$0.34)	(\$0.49)	\$0.06
Shares Outstanding	23,341	27,682	36,853	36,853	36,853
Free Cash Flow (FCF)					
BITDA	(7,999)	(11,048)	(9,947)	(6,589)	15,665
Cash Interest	(91)	(\$49)	(\$106)	(\$100)	(\$100
Cash Taxes	(142)	\$0	\$0	\$0	\$(
Capital Expenditures	(412)	(\$727)	(\$205)	(\$56)	(\$56
Vorking Capital Adjustments	0	\$0	\$0	\$2,800	\$(
Free Cash Flow	(8,644)	(11,824)	(10,258)	(3,945)	15,509
FCF per Diluted Share	(\$0.37)	(\$0.43)	(\$0.28)	(\$0.11)	\$0.42

Source: Company Reports and The Benchmark Company Estimates

A2Z Smart Technologies Corp. (AZ)

Janu

A2Z - Income Statement, 2023E					
(\$ in thousands, except per share data)	1Q	2Q	3Q	4QE	20238
Revenues	\$4,608	\$3,256	\$2,588	\$2,443	\$12,895
YrYr. Pct. Change		127.7%	-2.3%	-36.1%	37.9%
COGS	(3,587)	(1,595)	(2,220)	(2,089)	(9,490
Pct. of Revenue	54.5%	53.3%	52.5%	52.0%	73.6%
Gross Profit	\$1,021	\$1,661	\$368	\$354	\$3,404
Pct. of Revenue	22.2%	51.0%	14.2%	14.5%	26.4%
YrYr. Pct. Change	269.9%	687.3%	-14.4%	-61.4%	85.6%
Operating expenses					
Research and Development	(1,023)	(1,123)	(1,201)	(1,301)	(4,648
Pct. of Revenue	22.2%	34.5%	46.4%	53.2%	36.0%
Sales and Marketing	(123)	(123)	(275)	(275)	(796
Pct. of Revenue	2.7%	3.8%	10.6%	11.3%	6.2%
General and Administrative	(3,905)	(2,526)	(3,844)	(3,750)	(14,025
Pct. of Revenue	84.7%	77.6%	148.5%	153.5%	108.8%
Total Operating Expense	(5,051)	(3,772)	(5,320)	(5,326)	(19,469
Pct. of Revenue	109.6%	115.9%	205.6%	218.0%	151.0%
Adjusted EBITDA	(2,199)	(\$280)	(\$3,724)	(\$3,744)	(\$9,947
YrYr. Pct. Change	-12.9%	-91.0%	101.8%	4.5%	-10.0%
EBITDA margin	-47.7%	-8.6%	-143.9%	-153.2%	-77.1%
Depreciation and amortization	302	302	190	190	984
Stock based compensation & Other	1,529	1,529	1,038	1,038	5,134
Operating income	(\$4,030)	(\$2,111)	(\$4,952)	(\$4,972)	(\$16,065
Operating margin	-87.5%	-64.8%	-191.3%	-203.5%	-124.6%
Other, Net	405	405	2,260	500	3,570
Financial Expense, Net	(218)	(218)	104	104	(228
Income before taxes	(3,843)	(1,924)	(2,588)	(4,368)	(12,723
Tax provisions	0	0	0	0	0
Tax percentage	0.0%	0.0%	0.0%	0.0%	0.0%
Other Comprehensive/Non-Controlling Interest	270	0	(84)	0	186
Net Loss Attributable to A2Z Shareholders	(\$3,573)	(\$1,924)	(\$2,672)	(\$4,368)	(\$12,537
EPS	(\$0.11)	(\$0.06)	(\$0.07)	(\$0.12)	(\$0.34
Shares Outstanding	31,302	31,302	36,853	36,853	36,853
Free Cash Flow (FCF)			·····		
EBITDA	(2,199)	(280)	(3,724)	(3,744)	(9,947
Cash Interest	(25)	(25)	(28)	(28)	(106
Cash Taxes	0	0	0	0	C
Capital Expenditures	(14)	(14)	(163)	(14)	(205
Working Capital Adjustments	0	0	0	0	(0
Free Cash Flow	(2,238)	(319)	(3,915)	(3,786)	(10,258
FCF per Diluted Share	(\$0.07)	(\$0.01)	(\$0.11)	(\$0.10)	(\$0.28
YrYr. Pct. Change	-29.7%	-91.0%	46.2%	-30.4%	-34.8%

Source: Company Reports and The Benchmark Company Estimates

A2Z Smart Technologies Corp. (AZ)

A22	<u></u>	Income	Statem	ent, 2	024E	

(\$ in thousands, except per share data)	1QE	2QE	3QE	4QE	2024
	IQE	2QE	JAC	442	20241
Revenues	\$350	\$1,350	\$3,500	\$5,600	\$10,800
YrYr. Pct. Change	-92.4%	-58.5%	35.2%	129.2%	-16.2%
COGS	(585)	(1,800)	(2,750)	(4,050)	(9,185
Pct. of Revenue	167.1%	133.3%	78.6%	72.3%	85.0%
Gross Profit	(\$235)	(\$450)	\$750	\$1,550	\$1,615
Pct. of Revenue	-67.1%	-33.3%	21.4%	27.7%	15.0%
YrYr. Pct. Change	-123.0%	-127.1%	103.8%	337.4%	-52.6%
Operating expenses					
Research and Development	(1,401)	(1,401)	(1,401)	(1,401)	(5,604
Pct. of Revenue	400.3%	103.8%	40.0%	25.0%	51.9%
Sales and Marketing	400.3% (275)	(275)	40.0% (275)	(275)	(1,100
Pct. of Revenue	78.6%	20.4%	(273) 7.9%	(275) 4.9%	10.2%
General and Administrative	(3,750)	(3,500)	(4,000)	(4,000)	(15,250
Pct. of Revenue	1071.4%	259.3%	114.3%	71.4%	141.2%
Total Operating Expense	(5,426)	(5,176)	(5,676)	(5,676)	(21,954
Pct. of Revenue	1550.3%	383.4%	162.2%	101.4%	203.3%
FGI. OF Nevenue	1550.576	303.470	102.270	101.470	203.370
Adjusted EBITDA	(2,661)	(\$2,376)	(\$1,426)	(\$126)	(\$6,589
YrYr. Pct. Change	21.0%	748.9%	-61.7%	-96.6%	-33.8%
EBITDA margin	-760.3%	-176.0%	-40.7%	-2.3%	-61.0%
Depreciation and amortization	500	750	1,000	1,500	3,750
Stock based compensation & Other	2,500	2,500	2,500	2,500	10,000
Operating income	(\$5,661)	(\$5,626)	(\$4,926)	(\$4,126)	(\$20,339
Operating margin	-1617.4%	-416.7%	-140.7%	-73.7%	-188.3%
Other, Net	500	500	500	500	2,000
Financial Expense, Net	104	104	104	104	416
Income before taxes	(5,057)	(5,022)	(4,322)	(3,522)	(17,923
Tax provisions	0	0	0	0	0
Tax percentage	0.0%	0.0%	0.0%	0.0%	0.0%
Other Comprehensive/Non-Controlling Interest	0	0	0	0	0
Net Loss Attributable to A2Z Shareholders	(\$5,057)	(\$5,022)	(\$4,322)	(\$3,522)	(\$17,923
EPS	(\$0.14)	(\$0.14)	(\$0.12)	(\$0.10)	(\$0.49
Shares Outstanding	36,853	36,853	36,853	36,853	36,853
Free Cash Flow (FCF)					30,000
EBITDA	(2,661)	(2,376)	(1,426)	(126)	(6,589
Cash Interest	(25)	(25)	(25)	(25)	(100
Cash Taxes	0	0	0	0	0
Capital Expenditures	(14)	(14)	(14)	(14)	(56
Working Capital Adjustments	700	700	700	700	2,800
Free Cash Flow	(2,000)	(1,715)	(765)	535	(3,945
FCF per Diluted Share	(\$0.05)	(\$0.05)	(\$0.02)	\$0.01	(\$0.11
YrYr. Pct. Change	-24.1%	356.8%	-80.5%	-114.1%	-61.5%

Source: Company Reports and The Benchmark Company Estimates

Analyst Certification

The Benchmark Company, LLC ("Benchmark") analyst(s) whose name(s) appears on the front page of this research report certifies that the recommendations and opinions expressed herein accurately reflect the research analyst's personal views about any and all of the subject securities or issues discussed herein. Furthermore, no part of the research analyst's compensation was, is, or will be, directly or indirectly, related to the specific recommendations or views expressed by the research analyst(s) in this research report.

Equity Research Ratings System

Firm-Wide Stock Ratings Distribution

As of December 31, 2023

		overed panies	Ba	stment nking ients
Buy	314	74.6%	44	10.2%
Hold	75	17.8	6	1.4%
Speculative Buy	27	6.4%	15	3.5%
Sell	5	1.2%	0	0%

Company Ratings

- **Buy:** Stock is expected to outperform the analyst's defined Sector/Industry Index* over the following 6 to 12 months.
- *Speculative Buy*: The stock has a market value below \$100M and/or a higher financial risk profile. It is expected to outperform the analyst's defined sector/industry index over the following 6 to 12 months.
- *Hold:* Stock is expected to perform in-line with the analyst's defined Sector/Industry Index* over the following 6 to 12 months.
- *Sell:* Stock is expected to underperform the analyst's defined Sector/Industry Index* over the following 6 to 12 months.

Industry Ratings

- **Overweight:** Analyst's defined Sector/Industry Index* is expected to outperform the S&P 500 over the following 6 to 12 months.
- *Market Weight:* Analyst's defined Sector/Industry Index* is expected to perform in-line with the S&P 500 over the following 6 to 12 months.
- **Underweight:** Analyst's defined Sector/Industry Index* is expected to underperform the S&P 500 over the following 6 to 12 months.

Benchmark Disclosures as of January 12, 2024

Company	Disclosure
A2Z Smart Technologies Corp.	3

Research Disclosure Legend

- In the past 12 months, Benchmark and its affiliates have received compensation for investment banking services from the subject company.
- 2. In the past 12 months, Benchmark and its affiliates have managed or co-managed a public offering of securities for the subject company.
- Benchmark and its affiliates expect to receive or intend to seek compensation for investment banking services from the subject company in the next three months.
- 4. The research analyst, a member of the research analyst's household, any associate of the research analyst, or any individual directly involved in the preparation of this report has a long position in the shares or derivatives of the subject company.
- 5. The research analyst, a member of the research analyst's household, any associate of the research analyst, or any individual directly involved in preparation of this report has a short position in the shares or derivatives of this subject company.
- A member of the research analyst's household serves as an officer, director or advisory board member of the subject company.
- 7. As of the month end immediately preceding the date of publication of this report, or the prior month end if publication is within 10 days following a month end, Benchmark and its affiliates, in the aggregate, beneficially owned 1% or more of any class of equity securities of the subject company.
- A partner, director, officer, employee or agent of Benchmark, or a member of his/her household, is an officer, director or advisor, board member of the subject company and/or one of its subsidiaries.
- 9 Benchmark makes a market in the securities of the subject company.
- 10. In the past 12 months, Benchmark, its partners, affiliates, officers or directors, or any analyst involved in the preparation of this report, has provided non-investment banking securities-related services to the subject company for remuneration.
- 11. In the past 12 months, Benchmark, its partners, affiliates, officers or directors, or any analyst involved in the preparation of this report, has provided non-securities related services to the subject company for remuneration.

Investment Risk

There are a multitude of risks we see A2Z facing as they begin their journey in a relatively nascent marketplace. Although they already have 1 commercial order for \$6 million and 3 pilots signed, there is no guarantee that they will be successful in winning new business or expanding existing relationships. There is also substantial competition in the space, with established big names and new startups entering on a regular basis. COVID-19 has created substantial headwinds for the entire industry as well. Even with some initial wins on the books, A2Z is still effectively in start-up mode and will likely require additional capital infusions to fund growth. And, as is often the case in newly created, earlystage markets, valuation remains highly subjective.

Valuation Methodology

As is often the case in newly created, early-stage markets, valuation remains highly subjective. If public estimates are accurate, Caper was acquired by Instacart for ~35x revenue. We also believe Standard Cognition and Tracxpoint carry private valuations north of \$1 billion. However, there are no real public yardsticks by which to compare A2Z, and thus we are left to rely on an EV/Revenue multiple based off of a model that has a multitude of unknown variables around order size, timing and SaaS uplift. While growth multiples have come in substantially, even using half the Caper multiple plus a discount for the out year at 13x yields our \$18 per share price target. We note that our target does not include any incremental value from the other A2Z business segments, which we view as free as optionality.

Price Charts

Benchmark's disclosure price charts are updated within the first fifteen days of each new calendar quarter per FINRA regulations. Price charts for companies initiated upon in the current quarter, and rating and target price changes occurring in the current quarter, will not be displayed until the following quarter. Additional information on recommended securities is available on request.



General Disclosures

A2Z Smart Technologies Corp. (AZ) January 12, 2024

The Benchmark Company, LLC. ("Benchmark" or "the Firm") compensates research analysts, like other Firm employees, based on the Firm's overall revenue and profitability, which includes revenues from the Firm's institutional sales, trading, and investment banking departments. No portion of the analyst's compensation is based on a specific banking transaction. Analyst compensation is based upon a variety of factors, including the quality of analysis, performance of recommendations and overall service to the Firm's institutional clients.

This publication does not constitute an offer or solicitation of any transaction in any securities referred to herein. Ratings that use the "Speculative" risk qualifier are considered higher risk. Any recommendation contained herein may not be suitable for all investors.

The Benchmark Company, LLC makes every effort to use reliable, comprehensive information, but we make no representation that it is accurate or complete. We have no obligation to disclose when information in this report changes apart from when we intend to discontinue research coverage of a subject company. Although the information contained in the subject report has been obtained from sources, we believe to be reliable, its accuracy and completeness cannot be guaranteed.

This publication and any recommendation contained herein speak only as of the date hereof and are subject to change without notice. The Benchmark Company, LLC and its affiliated companies and employees shall have no obligation to update or amend any information herein.

This publication is being furnished to you for informational purposes only and on the condition that it will not form a primary basis for any investment decision. Each investor must make its own determination of the appropriateness of an investment in any securities referred to herein based on the legal, tax and accounting considerations applicable to such investor and its own investment strategy. By virtue of this publication, none of The Benchmark Company, LLC or any of its employees shall be responsible for any investment decision.

This report may discuss numerous securities, some of which may not be qualified for sale in certain states and may therefore not be offered to investors in such states.

The "Recent Price" stated on the cover page reflects the nearest closing price prior to the date of publication.

For additional disclosure information regarding the companies in this report, please contact The Benchmark Company, LLC, 150 East 58th Street, New York, NY 10155, 212-312-6770.

The Benchmark Company, LLC is not in any way affiliated with or endorsed by the Menlo Park, California venture capital firm Benchmark Capital.

This report may not be reproduced, distributed, or published without the prior consent of The Benchmark Company, LLC. Copyright © 2024. All rights reserved by The Benchmark Company, LLC.