

GLOBAL X INSIGHTS

The Next Big Theme: February 2024

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Topic: Thematic



U.S. Infrastructure

IIJA Funding Continues to Flow

U.S. construction starts surged 20% in December 2023 to a seasonally adjusted annual rate of \$1.12 trillion, on the back of strong growth from infrastructure and manufacturing projects and continued funding from the Infrastructure Investment and Jobs Act (IIJA).1 Highway and bridge starts increased by 12% and manufacturing starts increased by 75%.2 In late January the Department of Transportation (DOT) announced the deployment of \$4.9 billion in IIJA funding for major highway and bridge projects.3 The funding round included 39 competitive grants from the Infrastructure for Rebuilding America and National Infrastructure Project Assistance programs for 37 projects. The largest grant totalled \$1 billion and went toward the replacement of the Blatnik Bridge, which links Duluth, Minnesota and Superior, Wisconsin.⁴ Overall, the infrastructure spending outlook for 2024 looks promising, helped by the stabilization of the planning queue and the potential for lower interest rates which should spur further construction.

Artificial Intelligence & Technology

Big Tech Intensifies Its AI Efforts

Google renamed its generative AI chatbot Bard to Gemini as part of the company's integration of its latest AI models and to reflect the chatbot's enhanced capabilities. 5 Google also launched a paid version called Gemini Advanced that specializes in complex coding, logical reasoning, and creative collaboration. Google will also introduce a dedicated Gemini app for Android that integrates key services like Gmail, Maps, and YouTube. Meta announced that it is spending billions on Nvidia AI chips to support AI initiatives, which include open-sourcing Meta's yet-to-be developed artificial general intelligence (AGI).8 This project requires a massive compute infrastructure, including over 350,000 Nvidia H100 graphics cards by the end of 2024. Assuming Nvidia's H100's sell for \$25,000 to \$30,000, Meta's total expenditure is likely to exceed \$9 billion.9 Meta plans to deploy its own in-house custom chip "Artemis" to complement the chips purchased from Nvidia. 10

Healthcare Innovation

Weight Loss Drug Makers Increase Efforts to Boost Manufacturing Capacity

The investment arm of Novo Nordisk's parent foundation will buy drug manufacturer Catalent for \$16.5 billion in a deal aimed to bolster the supply of the highly popular weight loss injection Wegovy and diabetes shot Ozempic.11 In turn, Novo Nordisk will buy three of Catalent's fill-finish sites from the investment group for \$11 billion. 12 Catalent, one of the premier contract development and manufacturing organizations (CDMOs), already works with Novo Nordisk to manufacture its wildly successful GLP-1 treatments. The deal, which is expected to close at the end of 2024, is Novo Nordisk's latest effort to boost manufacturing capacity for its drugs and mitigate future shortages, especially amidst fierce competition from Eli Lilly.13 Demand is robust for Eli Lilly's new weight loss drug, Zepbound, which generated \$175.8 million in fourth-quarter sales despite only receiving regulatory approval in November 2023.14



Social Media

Digital Ad Market Rebounds Sharply After Bleak Year

Quarterly results from tech giants Alphabet, Meta, and Amazon showed a notable rebound in the digital advertising market following a down period. 15 Meta's ad sales surged 24% year-over-year (YoY) to \$38.7 billion, bouncing back from a 4% decline in Q4 2022. 16 Amazon's ad business grew 27% to \$14.7 billion and Alphabet's Google ad business increased 11% to \$65.5 billion, with YouTube contributing a 16% growth.¹⁷ Additionally, Meta and Alphabet's investments in AI to enhance their ad platforms show positive results. Several factors contributed to the bounce back in sales, including major advertising events like the Superbowl, the upcoming summer Olympics in Paris, and the upcoming U.S. presidential election, alongside a more favorable macroeconomic environment. 18 Global ad spending is forecast to increase 10% in 2024, signaling a positive outlook for the industry worldwide. 19 Digital advertising spending is expected to account for roughly 70% of total ad spend this year and nearly 75% by 2027.20

Internet of Things

The PC Slump Appears to Be Nearing an End

The PC industry seems to be turning a corner after a challenging 2023, with AI enhancements playing a pivotal role. For Q4 2023, Intel's client computing division, which houses its consumer chips, grew a notable 33% YoY, alongside reports of normalized consumer inventory levels and unprecedented notebook shipments.21 AMD's chips sales increased by a substantial 62% YoY, driven by robust demand for its Ryzen 7000 series CPUs tailored for desktop and laptop applications.²² AMD's bet on AI PCs as the AI race heats up can help accelerate the PC market rebound. Generative Al integrations like these are poised to invigorate PC sales, aligning with consumer preferences for Al-enabled devices. Forecasts suggest that by 2027, 60% of PC shipments will have Al capabilities.²³





PRIVACY POLICY

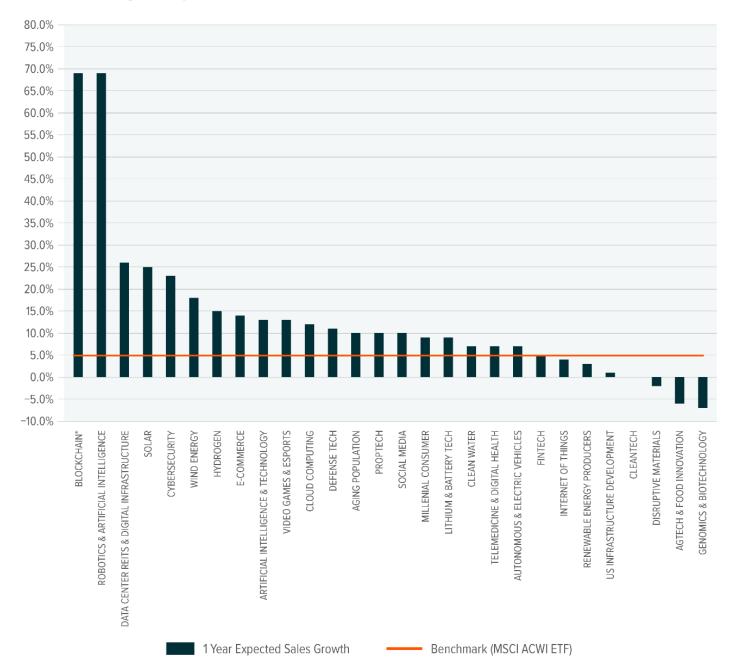


THE NUMBERS

The following charts examine returns and sales growth expectations by theme, based on their corresponding ETFs or indices.

THEMATIC EXPECTED SALES GROWTH

Source: Bloomberg, January 31, 2024, Global X ETFs.



Note: Forward looking based on index data and analysis from 1/31/2024.

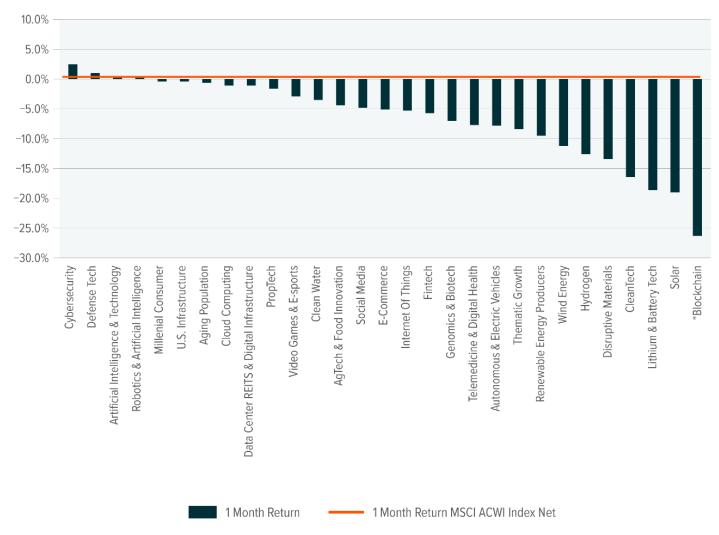
1 year annualized forward sales growth is the consensus analyst expectations for total sales growth in the next 12 months. *Refer to Appendix above Footnotes for details on Indices used.*





JANUARY 2024 THEMATIC ETF RETURNS

Source: Bloomberg, January 31, 2024, Global X ETFs.



Note: The performance data quoted represents past performance and does not guarantee future results. *Blockchain reflects figures according to BKCH ETF

Performance data quoted represents past performance and does not guarantee future results. Investment return and principal value of an investment will fluctuate so that an investors' shares, when sold or redeemed, may be worth more or less than their original cost. Current performance may be higher or lower than the performance quoted. High short-term performance of the fund is unusual and investors should not expect such performance to be repeated. For performance data current to the most recent month end, please call 1-888-493-8631 or visit www.globalxetfs.com.





OUR ETFs



Standard Performance			Cumulative % Data as of month end (1/31/24)			Avg. Annualized % Data as of quarter end (12/31/23)					
	Expense Ratio		1 Month	3 Month	Since Inception	1 Year	3 Year	5 Year	10 Year	Since Inceptior	
ROBOTICS & ARTIFICIAL		NAV	0.98%	27.48%	100.58%	38.62%	-4.62%	11.47%		9.85%	
INTELLIGENCE Inception Date 9/12/2016	0.69%	Market Price	0.28%	25.53%	98.92%	38.97%	-4.71%	11.60%	_	9.83%	
	0.0070	Index	1.02%	27.63%	105.99%	39.05%	-4.12%	11.99%	_	10.25%	
·		NAV	-5.39%	29.20%	70.47%		-16.60%	4.10%	_	8.40%	
FINTECH	0.68%	Market Price	-5.71%	28.88%	69.75%		-16.63%	4.10%	_	8.38%	
Inception Date 9/12/2016	0.0070	Index	-5.31%	29.41%	77.14%		-16.32%	4.57%	_	8.95%	
		NAV	-4.89%	19.51%	137.95%	22.81%	4.32%	17.74%	_	13.38%	
INTERNET OF THINGS	0.68%	Market Price	-5.27%	18.85%	136.40%	23.05%	4.26%	17.71%	_	13.34%	
Inception Date 9/12/2016	0.0070	Index	-4.84%	19.74%	143.97%	23.38%	4.69%	18.13%	_	13.76%	
		NAV	-0.80%	26.11%	51.81%	41.15%	-6.18%	10.1370		9.43%	
CLOUD COMPUTING	0.68%	Market Price	-1.06%	25.81%	52.14%	41.36%	-6.16%		_	9.54%	
Inception Date 4/12/2019	0.00%	Index	-0.76%	26.33%	56.44%	42.08%		_		10.11%	
-		NAV	-4.41%	11.26%	167.99%		-12.97%	8.02%	6.95%	8.86%	
SOCIAL MEDIA	0.65%	Market Price	-4.76%	10.99%	166.89%		-12.93%	8.14%	6.90%	8.86%	
Inception Date 11/14/2011	0.05%	Index	-4.35%	11.46%	185.83%	31.75%	-12.57%	8.60%	7.47%	9.44%	
ADTICION INTELLICENCE 9		NAV	0.42%	19.87%	113.84%	54.78%	4.95%	19.58%	7.47 /0	14.33%	
ARTIFICIAL INTELLIGENCE &	0.68%		0.42%	19.61%	113.78%	55.39%	4.95%	19.68%	_	14.35%	
TECHNOLOGY Inception Date 5/11/2018		Market Price						20.13%			
•		Index	0.47%	20.09%	119.30%	55.83%	5.50%		-	14.83%	
AUTONOMOUS & ELECTRIC VEHICLES	0.68%	NAV	-7.40%	11.03%	64.78%	25.60%	2.18%	17.25%	-	10.60%	
		Market Price	-7.82%	9.99%	63.57%	26.13%	2.01%	17.24%	-	10.55%	
Inception Date 4/13/2018		Index	-7.38%	11.24%	66.40%	25.75%	2.43%	17.49%	-	10.78%	
LITHIUM AND BATTERY TECH	0.75%	NAV	-18.72%	-11.16%	61.00%	-11.85%	-5.22%	14.67%	8.47%	5.21%	
Inception Date 7/22/2010		Market Price	-18.63%	-12.58%	59.82%	-12.20%	-5.60%	14.63%	8.45%	5.15%	
<u> </u>		Index	-18.71%	-11.07%	71.44%	-11.56%	-4.68%	14.91%	8.85%	5.70%	
GENOMICS AND		NAV	-7.00%	21.44%	-29.46%	-8.61%	-21.13%	-	-	-5.66%	
BIOTECHNOLOGY	0.50%	Market Price	-7.01%	21.47%	-28.21%	-8.62%	-21.19%	-	-	-5.31%	
Inception Date 4/5/2019		Index	-6.89%	21.78%	-27.77%	-8.17%	-20.80%		-	-5.21%	
MILLENNIAL CONSUMER	0.50%	NAV	-0.31%	21.56%	143.77%	36.19%	-1.51%	12.76%	-	12.38%	
Inception Date 5/4/2016		Market Price	-0.39%	21.56%	142.61%	36.27%	-1.54%	12.75%	-	12.32%	
meephon bate 3/4/2010		Index	-0.28%	21.75%	152.71%	36.82%	-1.04%	13.32%	-	12.90%	
AGING POPULATION		NAV	-0.56%	14.16%	97.54%	9.71%	1.32%	9.17%	-	9.39%	
Inception Date 5/09/2016	0.50%	Market Price	-0.60%	13.93%	101.14%	9.66%	1.35%	9.08%	-	9.65%	
inception bate 3/03/2010		Index	-0.50%	14.35%	101.68%	10.08%	1.54%	9.41%	-	9.68%	
E-COMMERCE		NAV	-4.85%	19.04%	36.86%	30.50%	-12.40%	9.19%	-	7.40%	
Inception Date 11/27/2018	0.50%	Market Price	-5.14%	18.44%	36.25%	30.88%	-12.49%	9.19%	-	7.37%	
inception Date 11/2//2018		Index	-4.82%	19.19%	39.99%	31.13%	-12.03%	9.68%	-	7.86%	
US INFRASTUCTURE	E 0.47%	NAV	-0.38%	19.71%	139.33%	30.88%	18.34%	21.40%	-	13.70%	
DEVELOPMENT		Market Price	-0.41%	19.70%	139.40%	31.01%	18.38%	21.41%	-	13.71%	
Inception Date 3/6/2017		Index	-0.35%	20.14%	148.48%	31.90%	19.10%	22.10%	-	14.33%	
·		NAV	-2.37%	10.48%	35.47%	8.78%	-12.68%	-	-	8.14%	
VIDEO GAMES & ESPORTS	0.50%	Market Price	-2.88%	8.76%	34.07%	8.36%	-12.89%	-	-	8.01%	
Inception Date 10/25/2019	9	Index	-2.32%	10.68%	38.09%		-12.30%	-	-	8.62%	





Standard Performance				Cumulative % Data as of month end (1/31/24)			Avg. Annualized % Data as of quarter end (12/31/23)				
	Expense Ratio		1 Month	3 Month	Since Inception	1 Year	3 Year	5 Year	10 Year	Since Inception	
CYBERSECURITY Inception Date 10/25/2019	0.51%	NAV	2.74%	30.02%	103.01%	40.95%	2.04%	-	-	17.67%	
		Market Price	2.46%	30.14%	106.65%	41.40%	2.03%	-	-	18.24%	
inception date 10/25/2019		Index	2.46%	29.84%	106.32%	41.66%	2.47%	-	-	18.20%	
THEMATIC GROWTH		NAV	-9.15%	7.57%	-5.83%	10.34%	-16.02%	-	-	0.86%	
Inception Date 10/25/2019	0.50%	Market Price	-8.37%	8.36%	-4.58%	10.24%	-16.11%	-	-	0.97%	
inception bate 10/25/2019		Index	-9.19%	7.53%	-6.75%	10.23%	-16.25%	-	-	0.64%	
TELEMEDICINE & DIGITAL		NAV	-7.78%	14.55%	-38.46%	-13.01%	-19.23%	-	-	-11.14%	
HEALTH	0.68%	Market Price	-7.71%	14.46%	-38.65%	-12.61%	-19.33%	-	-	-11.24%	
Inception Date 7/29/2020		Index	-7.68%	14.79%	-37.45%	-12.87%	-18.88%	-	-	-10.75%	
CLEANTECH		NAV	-16.13%	1.17%	-38.91%			-	-	-9.49%	
Inception Date 10/27/2020	0.50%	Market Price	-16.36%	1.06%	-39.25%	-25.57%	-21.61%	-	-	-9.57%	
inception date 10/21/2020		Index	-16.11%	1.20%	-39.84%	-25.63%	-21.89%	-	-	-9.93%	
DATA CENTER REITS & DIGITAL		NAV	-1.03%	17.17%	1.87%	18.21%	-0.23%	-	-	0.91%	
INFRASTRUCTURE	0.50%	Market Price	-1.09%	17.70%	2.10%	18.92%	-0.37%	-	-	1.00%	
Inception Date 10/27/2020		Index	-0.99%	17.35%	1.87%	18.26%	-0.24%	-	-	0.90%	
RENEWABLE ENERGY	0.66%	NAV	-9.06%	11.98%	-9.62%	-12.33%	-13.23%	2.25%	-	-0.07%	
PRODUCERS		Market Price	-9.49%	11.18%	-10.83%	-12.82%	-13.65%	2.07%	-	-0.17%	
Inception Date 05/27/2015		Index	-9.07%	12.17%	-6.61%	-11.98%	-12.85%	2.61%	-	0.31%	
0.5411114755	0.50%	NAV	-3.18%	14.74%	9.80%	19.85%	-	-	-	4.72%	
CLEAN WATER		Market Price	-3.48%	14.02%	9.66%	20.16%	-	-	-	4.79%	
Inception Date 04/08/2021		Index	-3.16%	14.93%	10.81%	20.25%	-	-	-	5.06%	
AGTECH AND FOOD	0.50%	NAV	-4.11%	4.25%	-58.38%	-23.92%	-	-	-	-28.67%	
INNOVATION		Market Price	-4.38%	4.03%	-58.39%	-23.87%	-	_	-	-28.59%	
Inception Date 07/12/2021		Index	-4.07%	4.36%	-58.00%	-23.70%	-	_	-	-28.41%	
-		NAV	-11.94%	0.33%	-75.82%	-37.26%	_	_	_	-40.73%	
HYDROGEN	0.50%	Market Price	-12.59%	-0.33%	-75.86%	-36.49%	-	_	-	-40.59%	
Inception Date 07/12/2021		Index	-11.80%	0.62%	-75.45%	-36.63%	_	_	_	-40.40%	
		NAV	-26.64%	46.60%	-63.38%	270.95%		_	_	-24.51%	
BLOCKCHAIN	0.50%	Market Price	-26.34%	46.76%	-63.39%	267.36%		_	_	-24.65%	
Inception Date 07/12/2021	0.5070	Index	-26.65%	46.49%	-64.66%	265.69%		_	_	-25.58%	
		NAV		-6.12%	-55.59%	-35.37%	_			-23.06%	
SOLAR	0.51%		-18.57%					-	-		
Inception Date 09/08/2021		Market Price	-18.99%	-6.87%	-55.72%	-35.13%	-	-	-	-22.99%	
		Index	-18.59%	-6.00%	-55.04%	-35.02%	-	-	-	-22.64%	
WIND ENERGY	0.50%	NAV Market Price	-10.89%	4.22%	-49.51%	-22.40%		-	-	-21.78%	
Inception date 09/08/2021		Market Price	-11.20%	3.80%	-49.79%	-22.22%		-	-	-21.86%	
	0.59%	Index	-10.89%	4.32%	-49.02%	-22.14%	-	-	-	-21.46%	
DISRUPTIVE MATERIALS		NAV Market Price	-13.03%	-4.51% F 70%	-41.14%	-19.67%	-	-	-	-18.27%	
Inception date 01/24/22		Market Price	-13.39%	-5.70%	-41.83%	-19.75%	-	-	-	-18.60%	
		Index	-12.98%	-4.34%	-40.61%	-19.35%	-	-	-	-17.92%	
PROPTECH Inception date 04/11/23	0.50%	NAV	-1.20%	24.19%	20.99%	-	-	-	-	-	
		Market Price	-1.56%	23.86%	20.86%	-	-	-	-	-	
		Index	-1.18%	24.35%	21.35%	-	-	-	-	-	
DEEENSE TECH		NAV	1.30%	10.65%	13.55%	-	-	-	-	-	
DEFENSE TECH	0.50%	Market Price	1.04%	10.33%	13.71%	-	-	-	-	-	
Inception date 09/11/23		Index	1.31%	10.81%	13.77%	-	-	-	-	-	





P/S AND EV/S

Source: Bloomberg, data is as of 1/31/24 and 12/31/23, Global X ETFs.

Ticker	Name		P/S	EV/S		
		1/31/24	12/31/23	1/31/24	12/31/23	
GNOM	Global X Genomics & Biotechnology ETF	7.04	7.58	6.10	6.60	
BUG	Global X Cybersecurity ETF	5.94	5.80	5.68	5.53	
BOTZ	Global X Robotics & Artificial Intelligence ETF	4.46	4.40	4.83	4.86	
CLOU	Global X Cloud Computing ETF	4.26	4.30	4.52	4.55	
VPN	Global X Data Center REITS & Digital Infrastructure ETF	3.88	4.62	6.29	7.67	
ВКСН	Global X Blockchain ETF	3.60	4.95	4.76	6.37	
AIQ	Global X Artificial Intelligence & Technology ETF	3.50	3.64	3.61	3.75	
AGNG	Global X Aging Population ETF	3.48	3.52	4.12	4.13	
FINX	Global X FinTech ETF	3.39	3.62	4.10	4.39	
SOCL	Global X Social Media ETF	3.06	3.21	2.97	3.12	
HERO	Global X Video Games & Esports ETF	2.96	3.03	2.86	2.98	
SNSR	Global X Internet of Things ETF	2.65	2.75	2.98	3.11	
SPY	SPDR S&P 500 ETF TRUST	2.62	2.61	2.99	2.96	
HYDR	Global X Hydrogen ETF	2.49	2.80	2.43	2.76	
AQWA	Global X Clean Water ETF	2.46	2.54	3.44	3.53	
RNRG	Global X Renewable Energy Producers ETF	2.16	2.15	5.11	4.54	
MILN	Global X Millennials Thematic ETF	2.10	2.11	2.44	2.45	
EDOC	Global X Telemedicine & Digital Health ETF	2.08	2.26	2.07	2.24	
PTEC	Global X PropTech ETF	1.95	2.01	3.30	3.48	
ACWI	MSCI ACWI ETF	1.93	1.94	2.59	2.57	
PAVE	Global X US Infrastructure Development ETF	1.65	1.65	1.97	1.97	
WNDY	Global X Wind Energy ETF	1.53	1.72	2.81	3.01	
SHLD	Global X Defense Tech ETF	1.52	1.51	1.79	1.79	
LIT	Global X Lithium & Battery Tech ETF	1.37	1.68	1.54	1.85	
RAYS	Global X Solar ETF	1.22	1.51	1.85	2.10	
DMAT	Global X Disruptive Materials ETF	1.13	1.30	1.45	1.62	
EBIZ	Global X E-Commerce ETF	1.08	1.16	1.21	1.24	
KROP	Global X Agtech & Food Innovation ETF	0.94	0.98	1.23	1.28	
DRIV	Global X Autonomous & Electric Vehicles ETF	0.78	0.87	0.91	1.01	
CTEC	Global X Cleantech ETF	0.77	0.91	1.10	1.25	

Note: P/S and EV/S refer to price-to-sales and enterprise value-to-sales, respectively.



OUR ETFs



F12M SALES GROWTH, PSG, AND EVSG

Source: Bloomberg, data is as of 1/31/24 and 12/31/23, Global X ETFs.

Ticker	Name	F12M Sales (%)		PSG		EVSG	
		1/31/24	12/31/23	1/31/24	12/31/23	1/31/24	12/31/23
ВКСН	Global X Blockchain ETF	69.5%	48.2%	0.05	0.10	0.07	0.13
BOTZ	Global X Robotics & Artificial Intelligence ETF	69.4%	57.6%	0.06	0.08	0.07	0.08
VPN	Global X Data Center REITs & Digital Infrastructure ETF	25.8%	23.5%	0.15	0.20	0.24	0.31
RAYS	Global X Solar ETF	25.3%	24.9%	0.05	0.06	0.07	0.08
BUG	Global X Cybersecurity ETF	22.6%	17.9%	0.26	0.32	0.25	0.31
WNDY	Global X Wind Energy ETF	17.7%	17.3%	0.09	0.10	0.16	0.17
HYDR	Global X Hydrogen ETF	14.6%	14.3%	0.17	0.20	0.17	0.19
EBIZ	Global X E-Commerce ETF	14.5%	15.5%	0.07	0.08	0.08	0.08
AIQ	Global X Artificial Intelligence & Technology ETF	12.8%	12.5%	0.27	0.29	0.28	0.30
HERO	Global X Video Games & Esports ETF	12.7%	11.8%	0.23	0.26	0.22	0.25
CLOU	Global X Cloud Computing ETF	11.8%	11.9%	0.36	0.36	0.38	0.38
SHLD	Global X Defense Tech ETF	11.5%	11.7%	0.13	0.13	0.16	0.15
AGNG	Global X Aging Population ETF	10.2%	10.7%	0.34	0.33	0.40	0.38
PTEC	Global X PropTech ETF	10.0%	7.5%	0.20	0.27	0.33	0.47
SOCL	Global X Social Media ETF	9.8%	9.7%	0.31	0.33	0.30	0.32
MILN	Global X Millennial Consumer ETF	9.0%	8.1%	0.23	0.26	0.27	0.30
LIT	Global X Lithium & Battery Technology ETF	8.9%	15.2%	0.15	0.11	0.17	0.12
AQWA	Global X Clean Water ETF	7.5%	6.5%	0.33	0.39	0.46	0.54
EDOC	Global X Telemedicine & Digital Health ETF	7.3%	7.0%	0.29	0.32	0.28	0.32
DRIV	Global X Autonomous & Electric Vehicles ETF	6.9%	7.2%	0.11	0.12	0.13	0.14
SPY	S&P 500 ETF	6.0%	6.1%	0.43	0.43	0.50	0.49
ACWI	MSCI ACWI ETF	5.4%	5.7%	0.36	0.34	0.48	0.45
FINX	Global X FinTech ETF	5.3%	5.0%	0.64	0.72	0.78	0.87
SNSR	Global X Internet of Things ETF	4.0%	4.2%	0.67	0.66	0.75	0.74
RNRG	Global X Renewable Energy Producers ETF	2.8%	-0.9%	0.78	-2.45	1.85	-5.18
PAVE	Global X U.S. Infrastructure ETF	0.8%	-0.8%	2.15	-2.34	2.57	-2.79
CTEC	Global X CleanTech ETF	-0.2%	6.7%	-4.07	0.14	-5.81	0.19
DMAT	Global X Disruptive Materials ETF	-1.6%	2.6%	-0.70	0.50	-0.89	0.63
KROP	Global X AgTech & Food Innovation ETF	-5.9%	-5.0%	-0.16	-0.20	-0.21	-0.26
GNOM	Global X Genomics & Biotechnology ETF	-7.3%	-7.9%	-0.97	-0.96	-0.84	-0.84

Note: F12M Growth is calculated using consensus analyst expectations for total sales in the next 12 months and weighted average trailing 12 month revenue.

Please note that substantial month-over-month variations in F12M Sales may be the result of Bloomberg coverage and estimates of underlying securities.

PSG and EVSG refer to Price-to-Sales over F12 Sales Growth and Enterprise Value over F12 Sales Growth, respectively.





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ETF HOLDINGS AND PERFORMANCE

To see individual ETF holdings and current performance across the Global X Thematic Growth Suite, including information on the indexes shown, click these links:

- Disruptive Technology: Artificial Intelligence & Technology ETF (AIQ), Robotics & Artificial Intelligence ETF (BOTZ), Cybersecurity ETF (BUG), Cloud Computing ETF (CLOU), Autonomous & Electric Vehicles ETF (DRIV), FinTech ETF (FINX), Video Games & Esports ETF (HERO), Lithium and Battery Tech ETF (LIT), Internet of Things ETF (SNSR), Social Media ETF (SOCL), Data Center REITs & Digital Infrastructure ETF (VPN), AgTech & Food Innovation ETF (KROP), Blockchain ETF (BKCH), Blockchain & Bitcoin Strategy ETF (BITS), PropTech ETF (PTEC), Defense Tech ETF (SHLD)
- People and Demographics: Millennial Consumer ETF (MILN), E-Commerce ETF (EBIZ), Genomics & Biotechnology ETF (GNOM), Aging Population ETF (AGNG), Telemedicine & Digital Health ETF (EDOC)
- Physical Environment: U.S. Infrastructure Development ETF (PAVE), CleanTech ETF (CTEC), Renewable Energy Producers (RNRG), Clean Water ETF (AQWA), Hydrogen ETF (HYDR), Solar ETF (RAYS), Wind Energy ETF (WNDY), Disruptive Materials ETF (DMAT)
- Multi-Theme: Thematic Growth ETF (GXTG)

Appendix: Thematic Expected Sales Growth Graph Indices

AgTech & Food Innovation: Solactive AgTech & Food Innovation Index

Aging Population: Indxx Aging Population Thematic Index

Artificial Intelligence & Technology: Indxx Artificial Intelligence & Big Data Index Autonomous & Electric Vehicles: Solactive Autonomous & Electric Vehicles Index

Blockchain: Solactive Blockchain Index

Clean Water: Solactive Global Clean Water Industry Index

CleanTech: Indxx Global CleanTech Index

Cloud Computing: Indxx Global Cloud Computing Index

Cybersecurity: Indxx Cybersecurity Index

Data Center REITs & Digital Infrastructure: Solactive Data Center REITs & Digital Infrastructure Index

Defense Tech: Global X Defense Tech Index

Disruptive Materials: Solactive Disruptive Materials Index

E-Commerce: Solactive E-commerce Index FinTech: Indxx Global FinTech Thematic Index

Genomics: Solactive Genomics Index Hydrogen: Solactive Global Hydrogen Index







Internet Of Things: Indxx Global Internet of Things Thematic Index Lithium & Battery Technology: Solactive Global Lithium Index

Millennial Consumer: Indxx Millennials Thematic Index

PropTech: Global X PropTech Index

Renewable Energy Producers: Indxx Renewable Energy Producers Index

Robotics & Artificial Intelligence: Indxx Global Robotics & Artificial Intelligence Thematic Index

Social Media: Solactive Social Media Total Return Index

Solar: Solactive Solar Index

Telemedicine & Digital Health: Solactive Telemedicine & Digital Health Index

U.S. Infrastructure: Indxx U.S. Infrastructure Development Index Video Games & Esports: Solactive Video Games & Esports Index

Wind Energy: Solactive Wind Energy Index

Footnotes

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- 21. The Verge (2024, January 25). The PC slump is nearly over, Intel Q4 2023/ FY 23 earnings suggest.
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Investing involves risk, including the possible loss of principal. International investments may involve risk of capital loss from unfavorable fluctuation in currency values, from differences in generally accepted accounting principles or from economic or political instability in other nations. Narrowly focused investments may be subject to higher volatility. The funds are non-diversified.

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