

# Innovation Meets Sustainability

Nasdaq-100 ESG™ Index (NDXESG™) & Nasdaq Next Generation 100 ESG™ Index (NGXESG™)



## NDXESG / NGXESG Index Objectives

- Reduce the degree to which the portfolio's economic value is at risk because of Environmental, Social, and Governance (ESG) factors, or more technically, aim to significantly improve the portfolio's Sustainalytics ESG Risk Rating Score;
- Exclude enterprises that create reputational risks or violate fundamental values;
- Eliminate business exposures that are off-limit for most ESG-conscious investors and
- Aim to deliver similar performance to the Nasdaq-100® (NDX®)/ Nasdaq Next Generation 100™ Index (NGX™) (very low tracking error).



### NDXESG / NGXESG Index Mechanics

- At all times, the Nasdaq-100 ESG Index (NDXESG) / Nasdaq Next Generation 100 ESG Index (NGXESG) consists of a selection of securities in the Nasdaq-100 / Nasdaq Next Generation 100 Index.
- The Nasdaq-100 and Nasdaq Next Generation 100 Indexes are reconstituted annually in December.
- The ESG characteristics of the underlying issuers are re-evaluated each quarter (March, June, December, and December). Hence, there is an NDXESG / NGXESG reconstitution and rebalancing each quarter.
- Securities removed from the Nasdaq-100 / Nasdaq Next Generation 100 Index outside of a reconstitution are removed from the Nasdaq-100 ESG Index / Nasdaq Next Generation 100 ESG Index and are not replaced.



## NDXESG / NGXESG Weighting Scheme

- The Nasdaq-100 ESG Index / Nasdaq Next Generation 100 ESG Index are modified market capitalization-weighted indexes that consider a company's ESG Risk Rating Score as an adjustment factor.
- Two factors play into the index weight of an issuer:
  - The Nasdaq-100 / Nasdaq Next Generation 100 Market Value, and
  - The ESG Risk Rating Score.
- In general, for each issuer:
  - Everything else equal, the higher the weight in the Nasdaq-100 and/or the better the ESG Risk Rating Score, the higher the weight in the NDXESG Index, and vice versa. Same for Nasdaq Next Generation 100 and NGXESG.



Symbol	Company Name	ICB Industry	Nasdaq-100 ESG: Reason(s) for Exclusion	Nasdaq-100® Weight
HON	Honeywell International	Industrials	Revenue from military contracting weapons. Involvement in Controversial Weapons: Tailor- made and essential.	0.72%
ADI	Analog Devices	Technology	Revenue from military contracting weapon-related products and/or services.	0.65%
CEG	Constellation Energy	Utilities	Revenue from nuclear production and oil & gas generation.	0.55%
CSX	CSX Corp	Industrials	Revenue from thermal coal extraction and supporting products/services	0.36%
AEP	American Electric Power	Utilities	Revenue from thermal coal power generation, nuclear production, and oil & gas generation.	0.32%

Symbol	Company Name	ICB Industry	Nasdaq-100 ESG: Reason(s) for Exclusion	Nasdaq-100® Weight
BKR	Baker Hughes	Energy	Revenue from oil & gas supporting products/services, production of refining oil, transportation and storage of natural gas, exploration and production of oil, refining of natural gas, and exploration and production of natural gas.	0.26%
XEL	Xcel Energy	Utilities	Revenue from thermal coal power generation, nuclear production, and oil & gas generation and production.	0.26%
FANG	Diamondback Energy	Energy	Revenue from oil & gas production. Involvement in shale energy extraction and/or production.	0.22%
ARM	ARM Holdings	Technology	ESG Risk Rating Score Unavailable	0.10%

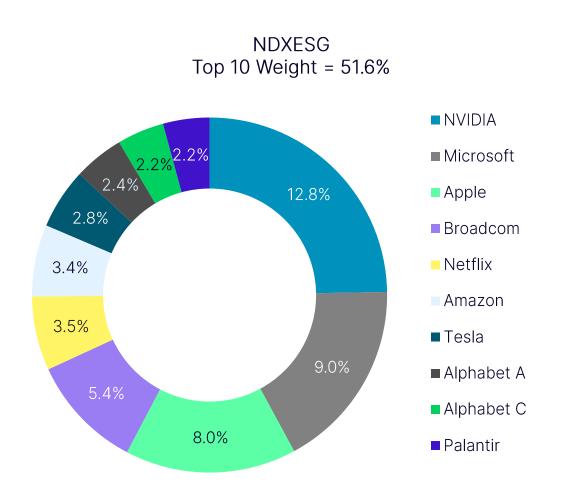
Symbol	Company Name	ICB Industry	Nasdaq Next Generation 100 ESG: Reason(s) for Exclusion	Nasdaq Next Generation 100™ Weight
EXE	Expand Energy	Energy	ESG Risk Rating Score is greater than 40 Revenue from oil & gas production and shale energy extraction	1.37%
ESLT	Elbit Systems	Industrials	Revenue from military contracting weapons, small arms military/law enforcement and riot control protection equipment and riot control weapons	1.27%
CASY	Casey's General Stores	Consumer Staples	Revenue from tobacco products – retail	1.14%
TLN	Talen Energy	Utilities	ESG Risk Rating Score is greater than 40. Revenue from nuclear production, oil & gas generation and thermal coal power generation	1.05%
DKNG  Data as of 9/30/ Sources: Sustain	DraftKings 2025 nalytics, Nasdaq Global Indexes.	Consumer Discretionary	Revenue from gambling operations	1.01%

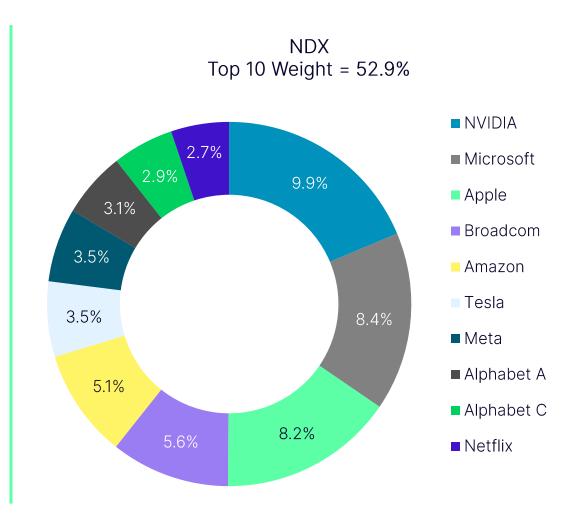
Symbol	Company Name	ICB Industry	Nasdaq Next Generation 100 ESG: Reason(s) for Exclusion	Nasdaq Next Generation 100™ Weight
EVRG	Evergy	Utilities	Revenue from nuclear production, oil & gas generation and thermal coal power generation	0.95%
BIDU	Baidu	Technology	Global Standards Screening non- compliance	0.95%
LNT	Alliant Energy	Utilities	Revenue from oil & gas generation and thermal coal power generation	0.94%
FTAI	FTAI Aviation	Industrials	ESG Risk Rating Score has not yet been determined	0.93%
SNDK	SanDisk	Technology	ESG Risk Rating Score has not yet been determined	0.89%

Symbol	Company Name	ICB Industry	Nasdaq Next Generation 100 ESG: Reason(s) for Exclusion	Nasdaq Next Generation 100™ Weight
WWD	Woodward	Industrials	Revenue from military contracting weapon- related products and/or services, and oil & gas supporting products/services	0.82%
TXRH	Texas Roadhouse	Consumer Discretionary	Revenue from alcoholic beverages – retail	0.60%
CART	Maplebear	Technology	ESG Risk Rating Score is greater than 40	0.53%
PPC	Pilgrim's Pride	Consumer Staples	ESG Risk Rating Score is greater than 40	0.52%
LLYVK	Liberty Media – Class C	Consumer Discretionary	ESG Risk Rating Score has not yet been determined	0.34%

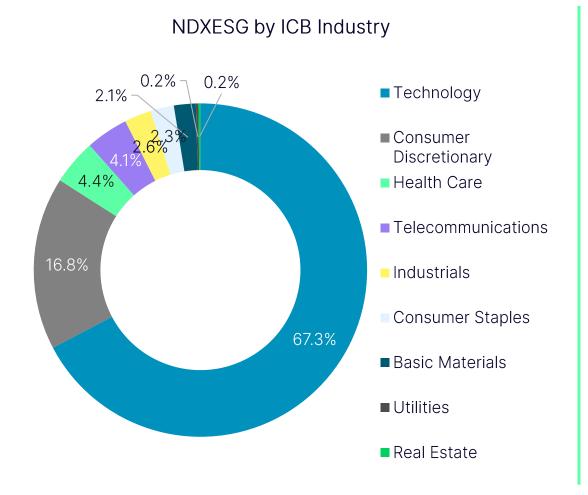
Symbol	Company Name	ICB Industry	Nasdaq Next Generation 100 ESG: Reason(s) for Exclusion	Nasdaq Next Generation 100™ Weight
LLYVA	Liberty Media – Class A	Consumer Discretionary	ESG Risk Rating Score has not yet been determined	0.13%

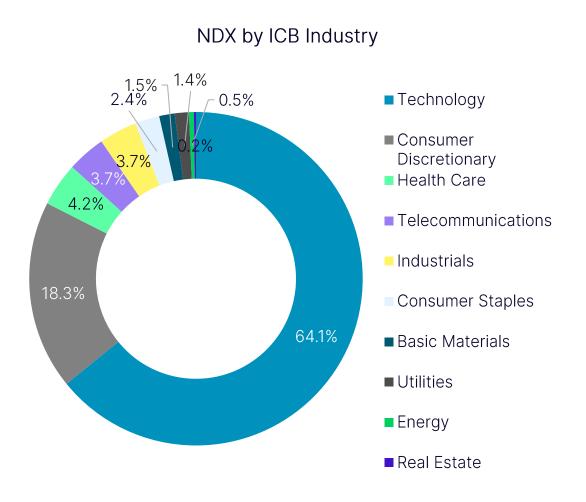
## Top 10 Constituents by Index Weight





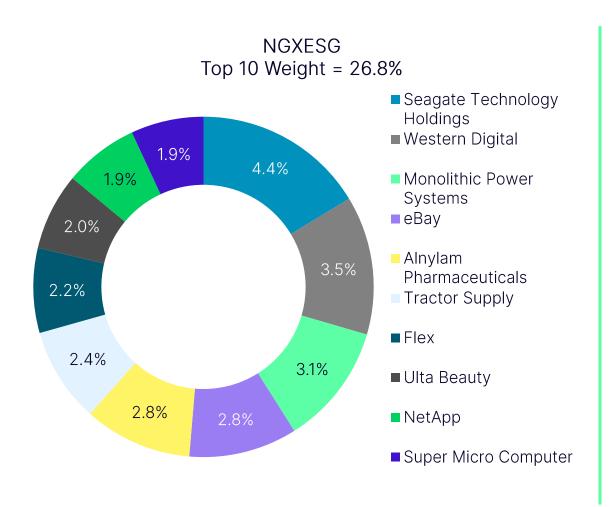
## Sector Exposure by Index Weight

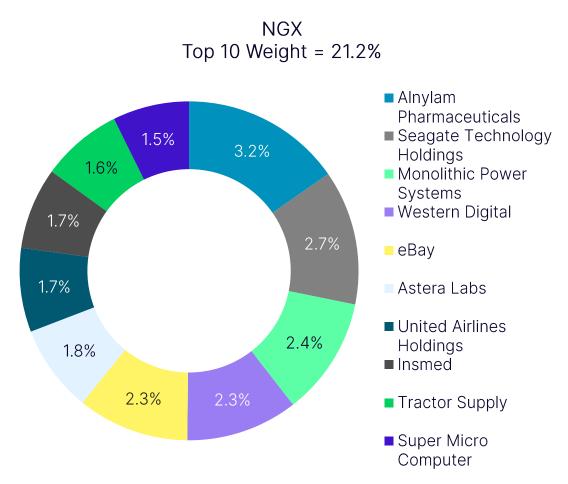




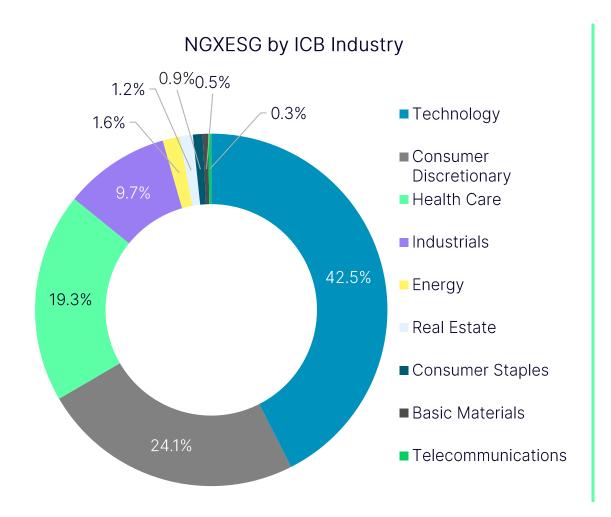


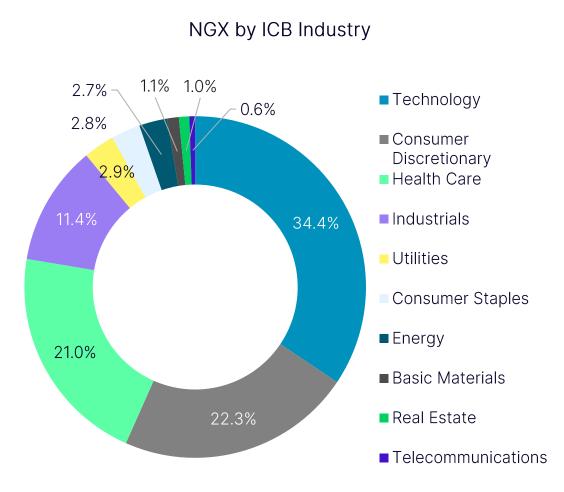
## Top 10 Constituents by Index Weight





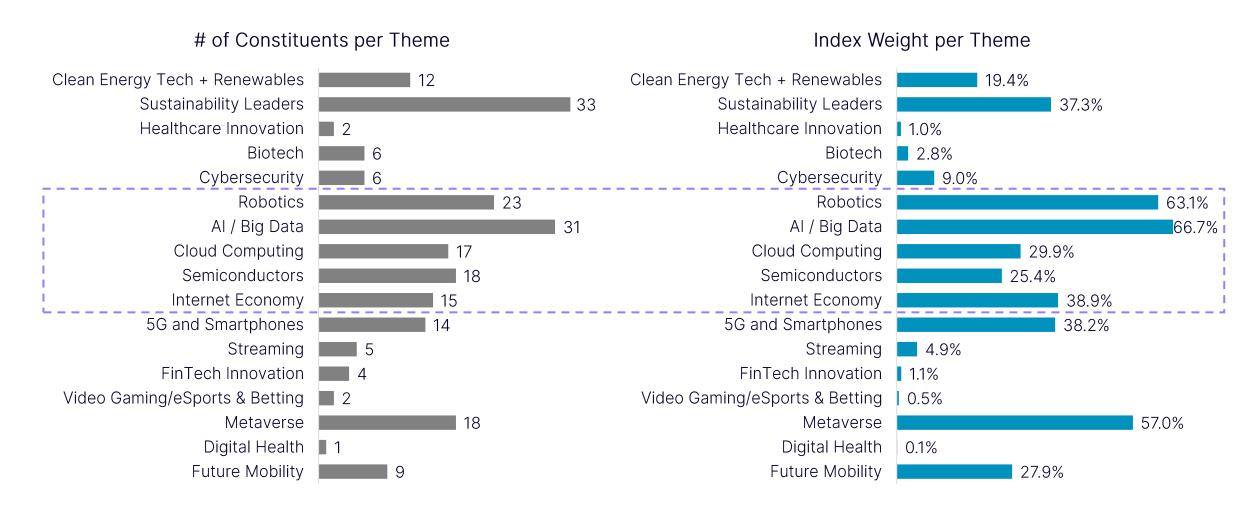
## Sector Exposure by Index Weight



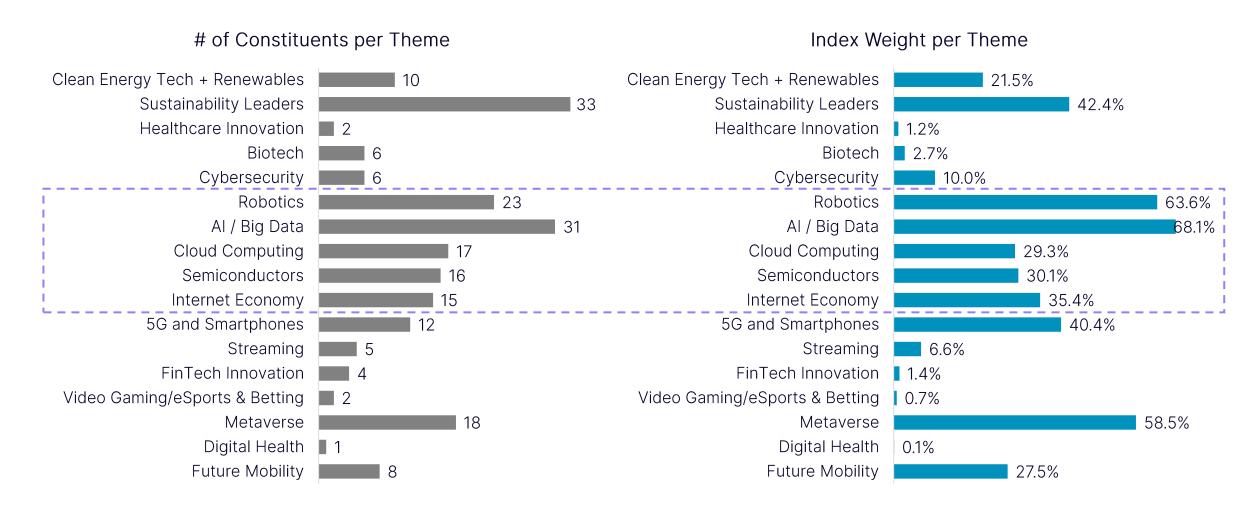




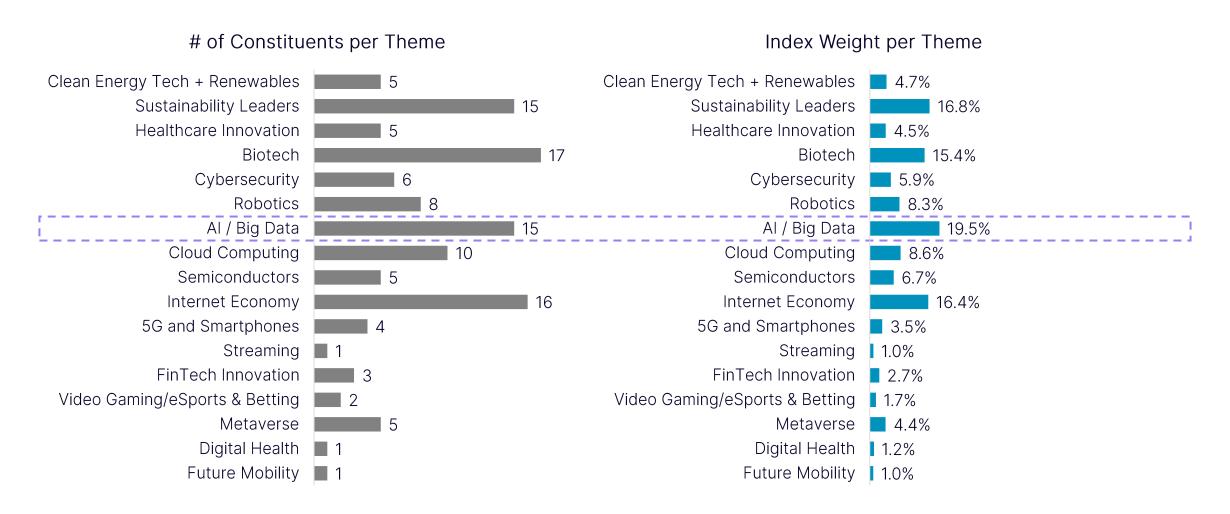
## Nasdaq-100 by Thematic Exposures



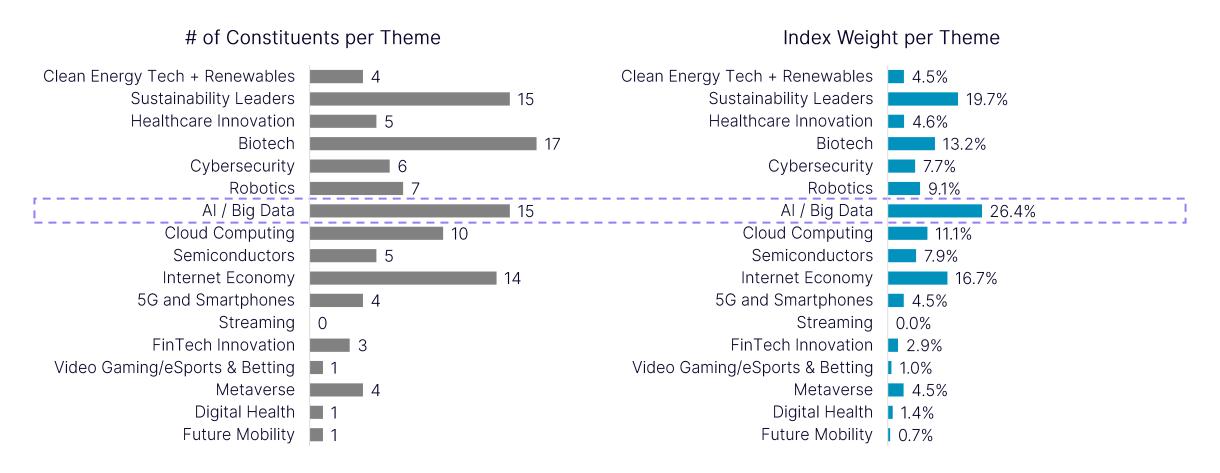
## Nasdaq-100 ESG by Thematic Exposures



## Nasdaq Next Generation 100 by Thematic Exposures



# Nasdaq Next Generation 100 ESG by Thematic Exposures



## Top 10 Largest Overweights: NDXESG vs. NDX

Symbol	Company Name	ICB Industry	NDXESG Weight	NDX Weight	Weight Difference
NVDA	NVIDIA	Technology	12.8%	9.9%	2.9%
NFLX	Netflix	Consumer Discretionary	3.5%	2.7%	0.7%
AMD	AMD	Technology	2.0%	1.4%	0.6%
CSCO	Cisco Systems	Telecommunications	2.1%	1.5%	0.6%
LIN	Linde	Basic Materials	1.8%	1.2%	0.6%
MSFT	Microsoft	Technology	9.0%	8.4%	0.6%
INTU	Intuit	Technology	1.4%	1.0%	0.4%
AMAT	Applied Materials	Technology	1.3%	0.9%	0.4%
QCOM	QUALCOMM	Technology	1.3%	1.0%	0.4%
LRCX	Lam Research	Technology	1.3%	0.9%	0.4%



## Top 10 Largest Underweights: NDXESG vs. NDX

Symbol	Company Name	ICB Industry	NDXESG Weight	NDX Weight	Weight Difference
META	Meta	Technology	1.3%	3.5%	-2.2%
AMZN	Amazon	Consumer Discretionary	3.4%	5.1%	-1.7%
COST	Costco	Consumer Discretionary	1.3%	2.2%	-0.9%
GOOGL	Alphabet A	Technology	2.4%	3.1%	-0.7%
TSLA	Tesla	Consumer Discretionary	2.8%	3.5%	-0.7%
GOOG	Alphabet C	Technology	2.2%	2.9%	-0.7%
SHOP	Shopify	Technology	0.7%	1.0%	-0.2%
MSTR	Strategy	Technology	0.2%	0.5%	-0.2%
AVGO	Broadcom	Technology	5.4%	5.6%	-0.2%
PDD	PDD Holdings	Technology	0.3%	0.5%	-0.2%

## Top 10 Largest Overweights: NGXESG vs. NGX

Symbol	Company Name	ICB Industry	NGXESG Weight	NGX Weight	Weight Difference
STX	Seagate Technology	Technology	4.4%	2.7%	1.7%
WDC	Western Digital	Technology	3.5%	2.3%	1.3%
FLEX	Flex	Technology	2.2%	1.2%	1.0%
TSCO	Tractor Supply	Consumer Discretionary	2.4%	1.6%	0.8%
TRMB	Trimble	Industrials	1.8%	1.1%	0.8%
MPWR	Monolithic Power System	s Technology	3.1%	2.4%	0.7%
ULTA	Ulta Beauty	Consumer Discretionary	2.0%	1.3%	0.6%
LOGI	Logitech	Technology	1.5%	0.9%	0.6%
NTAP	NetApp	Technology	1.9%	1.3%	0.6%
ZBRA	Zebra Technologies	Industrials	1.3%	0.8%	0.5%



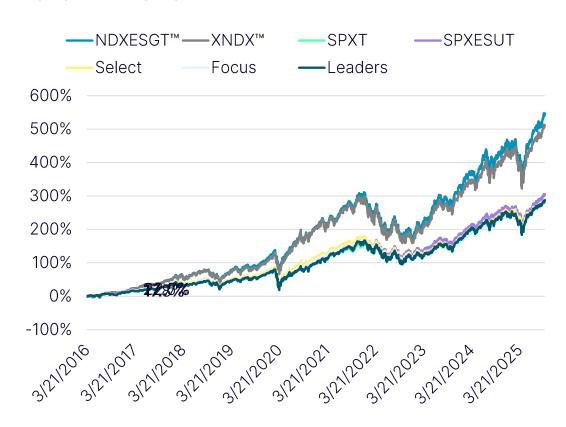
## Top 10 Largest Underweights: NGXESG vs. NGX

Symbol	Company Name	ICB Industry	NGXESG Weight	NGX Weight	Weight Difference
SMMT	Summit Therapeutics	Health Care	0.1%	0.8%	-0.7%
STLD	Steel Dynamics	Basic Materials	0.5%	1.1%	-0.6%
ALNY	Alnylam Pharmaceuticals	Health Care	2.8%	3.2%	-0.5%
UAL	United Airlines	Consumer Discretionary	1.2%	1.7%	-0.5%
NTRA	Natera	Health Care	0.7%	1.2%	-0.4%
INSM	Insmed	Health Care	1.3%	1.7%	-0.3%
RPRX	Royalty Pharma	Health Care	0.5%	0.8%	-0.3%
RIVN	Rivian Automotive	Consumer Discretionary	0.7%	1.0%	-0.3%
LBRDK	Liberty Broadband	Telecommunications	0.2%	0.4%	-0.2%
ARGX	argenx	Health Care	1.0%	1.2%	-0.2%

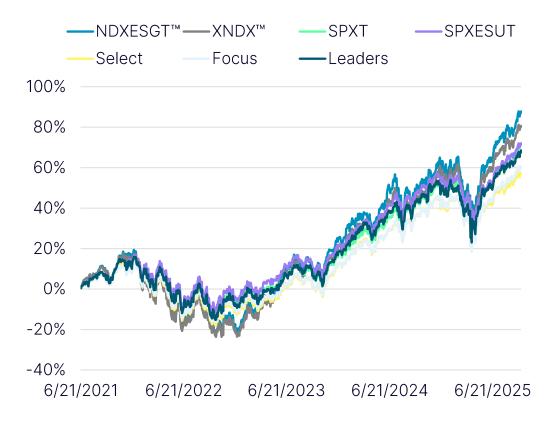


### Performance – NDXESG vs. NDX

## Since Beginning of NDXESG Backtest 3/21/2016 – 9/30/2025



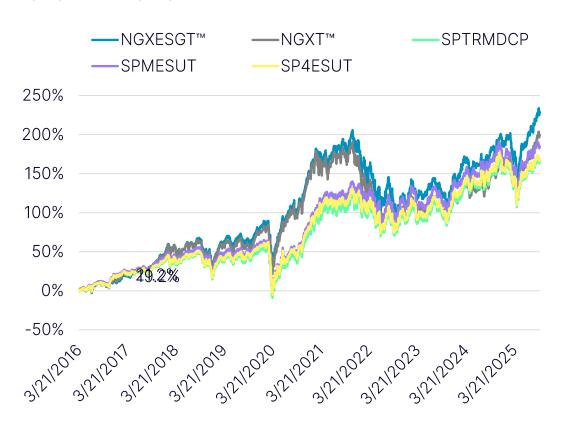
# Since NDXESG Inception 6/21/2021 – 9/30/2025



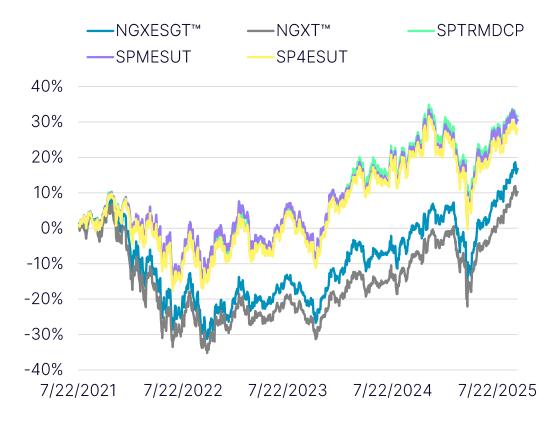


### Performance – NGXESG vs. NGX

# Since Beginning of NGXESG Backtest 3/21/2016 – 9/30/2025



# Since NGXESG Inception 7/22/2021 – 9/30/2025





## ESG Comparisons – NDXESG vs. NDX

Index Name	Benchmark	# of Securities	% Exclusion from	Sustainalytics ESG Risk Score	
index name	Delicilliaik		Benchmark	Weighted Average	Simple Average
Nasdaq-100 Index®		101		17.0	18.2
Nasdaq-100 ESG™ Index	Nasdaq-100 Index®	91	10%	15.8	17.4
MSCI USA Index		543		18.3	19.8
MSCI USA Extended ESG Focus Index	MSCI USA Index	281	48%	17.8	19.0
MSCI USA Extended ESG Leaders Index	MSCI USA Index	273	50%	16.7	18.6
MSCI USA ESG Universal Select Business Screens Index	MSCI USA Index	509	6%	17.5	19.3
S&P 500 Index		503		18.3	19.7
S&P 500 ESG Index	S&P 500 Index	317	37%	17.2	18.6

Data as of 9/30/2025
Source: Nasdaq Global Indexes, Sustainalytics, FactSet, Bloomberg.

## ESG Comparisons – NGXESG vs. NGX

In along Nione a	Dan alama ankula day	# of	% Exclusion from the	Sustainalytics ESG Risk Score	
Index Name	Benchmark Index	Securities	Benchmark	Weighted Average	Simple Average
Nasdaq Next Generation 100™ Index		109		20.4	21.1
Nasdaq Next Generation ESG 100™ Index	Nasdaq Next Generation 100™ Index	93	15%	17.4	19.8
S&P MidCap 400 Index		399		22.5	22.5
S&P MidCap 400 Sustainability Screened Index	S&P MidCap 400 Index	357	11%	21.5	21.6
S&P MidCap 400 ESG Index	S&P MidCap 400 Index	272	32%	20.7	20.8

Data as of 9/30/2025.
Source: Nasdaq Global Indexes, Sustainalytics, FactSet, Bloomberg.

# RESOURCES



#### RESOURCES

## Nasdaq-100 ESG Index (NDXESG)

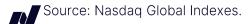
- Overview
  - https://indexes.nasdagomx.com/Index/Overview/NDXESG
- Methodology
  - https://indexes.nasdaqomx.com/docs/methodology\_NDXESG.pdf
- Research
  - https://indexes.nasdaqomx.com/docs/NDXESG\_Research.pdf
- Fact Sheet
  - https://indexes.nasdaqomx.com/docs/FS\_NDXESGT.pdf
- Carbon Credit Report
  - NDXESG: <a href="https://indexes.nasdaqomx.com/docs/Carbon%20Footprint%20Report%20-%20NDXESG.pdf">https://indexes.nasdaqomx.com/docs/Carbon%20Footprint%20Report%20-%20NDXESG.pdf</a>
  - NDX: <a href="https://indexes.nasdaqomx.com/docs/Carbon%20Footprint%20Report%20">https://indexes.nasdaqomx.com/docs/Carbon%20Footprint%20Report%20</a>—%20NDX.pdf



#### RESOURCES

## Nasdaq Next Generation 100 ESG Index (NGXESG)

- Overview
  - https://indexes.nasdaqomx.com/Index/Overview/NGXESG
- Methodology
  - https://indexes.nasdaqomx.com/docs/methodology\_NGXESG.pdf
- Research
  - https://indexes.nasdaqomx.com/docs/NGXESG\_Research.pdf
- Fact Sheet
  - https://indexes.nasdaqomx.com/docs/FS\_NGXESGT.pdf
- Carbon Credit Report
  - NGXESG: <a href="https://indexes.nasdaqomx.com/docs/Carbon%20Footprint%20Report%20-%20NGXESG.pdf">https://indexes.nasdaqomx.com/docs/Carbon%20Footprint%20Report%20-%20NGXESG.pdf</a>
  - NGX: <a href="https://indexes.nasdaqomx.com/docs/Carbon%20Footprint%20Report%20-%20NGX.pdf">https://indexes.nasdaqomx.com/docs/Carbon%20Footprint%20Report%20-%20NGX.pdf</a>





### NDXESG / NGXESG Exclusions Based on ESG Risk

Companies with a "Severe" ESG Risk Rating Score are automatically disqualified from inclusion.

• A rating of greater than 40 is considered "Severe"; 30-40 is considered "High"; 20-30 is "Medium"; 10-20 is "Low"; and 0-10 is "Negligible".

Exclude any company that has not been researched yet.

# NDXESG / NGXESG Exclusions Based on ESG Risk – continued

- Exclude any company that has a Controversy Rating equal to 5:
  - The Controversy Rating reflects:
    - Incidents with negative Environmental, Social, and Governance (ESG) implications.
    - A company's level of involvement in and how it manages these issues.
  - Categorical scores are on a scale of 1 to 5.

# NDXESG / NGXESG Exclusions Based on International Norms

- A company must not violate the United Nations Global Compact and related international norms and standards, such as the Organization for Economic Cooperation and Development (OECD) Guidelines and United Nations (UN) Guiding Principles.
  - 10 principles around human rights, labor, environment, and anti-corruption.
  - https://www.unglobalcompact.org/what-is-gc/mission/principles
- Securities are excluded from NDXESG/NGXESG that are classified as non-compliant.
  - Each company in the index is therefore classified as either compliant or on the watch list with the UN Global Compact framework for following international norms.

# NDXESG / NGXESG Exclusions Based on Business Involvements

#### Business Involvements Considered\*:

- 1. Energy (Arctic Oil & Gas; Nuclear Power; Oil & Gas; Oil Sands; Shale Energy; Thermal Coal)
- 2. Health & Life (Alcohol; Recreational Cannabis; Tobacco)
- 3. Defense & Military (Controversial weapons; Military Contracting; Riot Control; Small Arms)
- 4. Values-Based (Adult Entertainment; Gambling)

## NDXESG / NGXESG Weighting Scheme

$$ESG\ Risk - Adjusted\ NDX\ Market\ Value = \frac{40 - ESG\ Risk\ Rating\ Score}{40} \times NDX\ Market\ Value$$

- Initial security weights are calculated by dividing a security's ESG Risk-Adjusted NDX Market Value by the sum of the ESG Risk-Adjusted NDX Market Values of all Index Securities.
- Afterwards, the same four-stage weight adjustment process as exists for NDX at its annual reconstitution is applied to produce final weights on a quarterly basis for NDXESG.
- (All the above applies for NGX and NGXESG, as well.)

## NDXESG / NGXESG Weighting Scheme – continued

For Illustrative Purposes Only.

The information included on this slide is not based on actual data.

Security	Parent Index	ESG Risk	(40-ESG	ESG Adjusted		Weight in	
	Market Value	Rating	Risk	Market Value	ESG	Parent	Excess
		Score	Rating		Index	Index	Weight
			Score)/40		(before		
					capping)		
Company A	157,440,900.96	9.669091	0.76	119,383,139.64	5%	2%	3%
Company B	408,425,550.79	10.14988	0.75	304,788,747.93	12%	5%	7%
Company C	466,765,510.49	10.33926	0.74	346,115,277.80	14%	6%	8%
Company D	337,399,212.20	10.56613	0.74	248,274,134.49	10%	4%	6%
Company E	36,052,270.56	12.02819	0.70	25,211,182.25	1%	0%	1%
Company F	590,398,129.57	16.18527	0.60	351,504,303.67	14%	7%	7%
Company G	268,545,835.16	19.19268	0.52	139,692,956.82	6%	3%	2%
Company H	311,917,708.29	20.84302	0.48	149,385,045.36	6%	4%	2%
Company I	547,470,308.53	22.79236	0.43	235,516,830.87	10%	7%	3%
Company J	24,733,442.74	24.69826	0.38	9,461,619.64	0%	0%	0%
Company K	435,838,825.61	27.38121	0.32	137,493,977.85	6%	5%	0%
Company L	118,577,295.32	27.73561	0.31	36,356,957.07	1%	1%	0%
Company M	307,719,744.86	28.36004	0.29	89,546,103.32	4%	4%	0%
Company N	441,090,355.41	33.1488	0.17	75,549,938.88	3%	6%	-2%
Company O	834,726,757.15	35.35263	0.12	96,982,201.14	4%	10%	-7%
Company P	550,834,597.82	37.24048	0.07	38,001,025.35	2%	7%	-5%
Company Q	269,359,777.85	37.4192	0.06	17,379,073.33	1%	3%	-3%
Company R	844,981,656.98	38.72938	0.03	26,841,302.95	1%	11%	-10%
Company S	359,845,558.64	39.02818	0.02	8,742,612.50	0%	5%	-4%
Company T	646,652,051.08	39.70698	0.01	4,736,994.67	0%	8%	-8%

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