

ETF All-Stars Thematic Composite Index

TCASX As of 12/6/2021



What?

ETF All Stars Thematic Indexes are the first ever suite of indexes harnessing the growth and transparency of thematic ETFs to establish a consensus view on which companies best align with popular investment themes based on publicly available ETF ownership data.

How?

Using ETF Action's proprietary classification system and ownership database, ETF holdings data is aggregated across each broad thematic segment to determine each company's ownership adjusted market value ("OAMV™"). OAMV™ is calculated by taking the total ownership value of each company in an ETF segment times the number of ETFs that own each company in the targeted segment. Each index represents 75% of the OAMV™ for each ETF segment. Qualifying companies are weighted by OAMV™, subject to a 5% weighting cap.

Why?

Potential advantages of the ETF All Stars Thematic Indexes include:

- Access to a diversified basket of companies most widely owned by thematic ETFs
- Indexes are built using an objective methodology that follows a transparent and repeatable rules based process
- Indexes dynamically adapt to ever changing ETF landscape (new launches and closures) and investor sentiment (ETF flows)

Top Holdings

NVIDIA Corporation	6.77%
Tesla Inc	5.27%
Enphase Energy, Inc.	3.00%
Square, Inc. Class A	2.61%
Alphabet Inc. Class C	2.44%
SolarEdge Technologies, Inc.	2.28%
Amazon.com, Inc.	2.22%
Zscaler, Inc.	1.95%
Microsoft Corporation	1.82%
Shopify, Inc. Class A	1.73%
Top 10 Weighting	30.09%

Thematic Composite: Investing Across The Most Common Companies Found In Thematic Segments

Disruptive Tech



Evolving Consumer



FinTech



Health Care Innovation



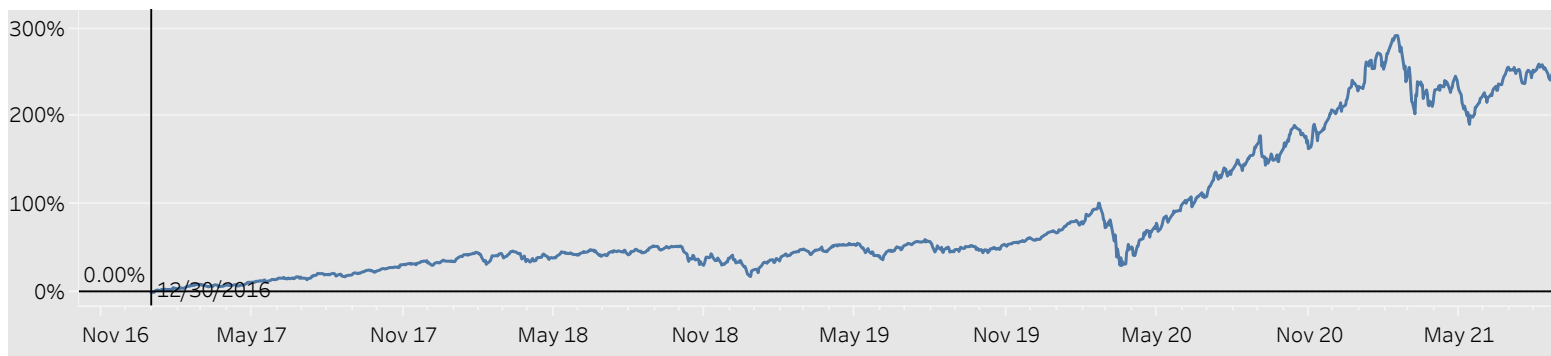
Industrial Revolution



Sustainability



Total Return Since Index Inception



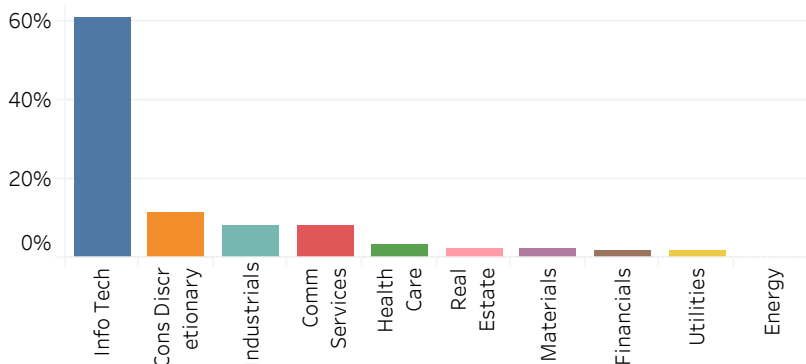
Standardized Performance

	1 Month	3 Month	6 Month	YTD	1 Year	3 Year Annualized	5 Year Annualized	Inception*
Thematic Composite	-11.23%	-4.90%	11.21%	5.48%	15.28%	35.24%		29.22%

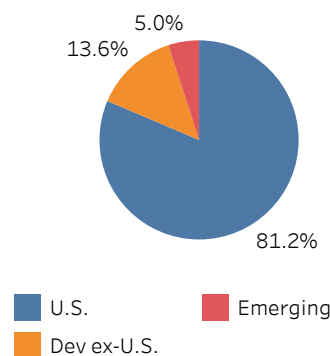
Index First Value Date is Dec 31 2016. The index Launch Date is Jun 11 2021. All information for an index prior to its Launch Date is hypothetical back-tested, not actual performance, based on the index methodology in effect on the Launch Date.



Sectors



Market Development



Market Cap

Large Cap	85.89%
Mid Cap	13.45%
Small Cap	0.66%

ETF All-Stars Segments Broken Out Into Sub-Groups

The ETF All-Stars Thematic Composite gives exposure to the companies found within all of the ETF All-Stars Thematic Segments. Below is a breakdown of each sub-index into groups and the overlap that exists between the ETF All-Stars Indexes.

Disruptive Tech	Evolving Consumer	FinTech	Health Innovation	Industrial Revolution	Sustainability
Advertising & Marketing Big Data Broad-based Cloud Computing Connectivity Cyber Security Digital Infrastructure	Aging Population Broad-based Casinos & Gaming Education eSports & Video Games Health & Wellness Online Retail Pet Ownership Pharmaceuticals Pro Sports Streaming Services Travel Tech	Blockchain Broad-based Digital Payments Peer-to-Peer Lending	Biotech Broad-based Cancer Immunotherapy Genomics Telemedicine & Digital Health	3D Printing Advanced Materials Agriculture Broad-based NextGen Transportation Robotics & AI Security & Defense Space	Clean Energy: Broad-Based Clean Energy: Hydrogen Clean Energy: Solar Clean Energy: Wind Smart Infrastructure Waste Management Water

ETF All-Star Index Overlap Matrix

	Thematic Composite	Disruptive Tech	Evolving Consumer	FinTech	Health Care Innovation	Industrial Revolution	Sustainability
Thematic Composite	100.00%	37.39%	20.30%	15.52%	2.07%	28.03%	24.77%
Disruptive Tech	37.39%	100.00%	4.41%	2.15%	0.00%	4.85%	1.12%
Evolving Consumer	20.30%	4.41%	100.00%	8.89%	0.00%	9.41%	0.00%
FinTech	15.52%	2.15%	8.89%	100.00%	0.00%	6.30%	0.00%
Health Care Innovation	2.07%	0.00%	0.00%	0.00%	100.00%	0.00%	0.00%
Industrial Revolution	28.03%	4.85%	9.41%	6.30%	0.00%	100.00%	7.09%
Sustainability	24.77%	1.12%	0.00%	0.00%	0.00%	7.09%	100.00%

Definitions & Disclosures

Index performance calculated by Indxx. Past performance is no guarantee of future performance. Investors cannot invest directly in an index, the performance of an index does not represent any actual transactions and its performance does not reflect the deduction of any fees or expenses associated with actual investing.

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