

June 2021

# Quarterly Thematic Index Performance Review



## Thematic Index Round-Up

MV Index Solutions (MVIS®) publishes 48 thematic indices to cover forward-looking investment concepts grouped into meta themes: Clean Energy, Health Care Innovation, Financials 2.0, NextGen Hardware & Communications, NextGen Software, Consumer Trend, Thematic Industrials & Infrastructure, Thematic REITs, Materials, and Disruptive Technology.

In Q2 2021, Thematic REITs outperformed while Clean Energy and Financials 2.0 underperformed. However, over the last 3 years, Clean Energy remains the highest outperforming meta theme, with a wide spread ranging from +10% to -10% between the highest Clean Energy Index (BlueStar Electric Vehicle Industry) and the lowest Clean Energy Index (BlueStar Hydrogen and NextGen Fuel Cell).

**Exhibit 1: Meta Thematic Returns (USD, ending 30 June 2021)**

Q3-2018	Q4-2018	Q1-2019	Q2-2019	Q3-2019	Q4-2019	Q1-2020	Q2-2020	Q3-2020	Q4-2020	Q1-2021	Q2-2021
Health Care Innovation 18.0%	Thematic REITs -4.7%	Next Gen Software 26.1%	Clean Energy 5.8%	NextGen Hardware & Communications 5.5%	Health Care Innovation 20.1%	Health Care Innovation -8.1%	Next Gen Software 49.2%	Clean Energy 42.4%	Clean Energy 54.2%	Financials 2.0 26.4%	Thematic REITs 8.7%
Thematic Industrials & Infrastructure 7.7%	Clean Energy -8.1%	Health Care Innovation 23.1%	Thematic Industrials & Infrastructure 5.5%	Thematic REITs 4.8%	Clean Energy 15.4%	Next Gen Software -10.9%	Clean Energy 49.1%	Disruptive Technology 13.7%	Financials 2.0 35.5%	NextGen Hardware & Communications 10.0%	NextGen Hardware & Communications 7.8%
NextGen Hardware & Communications 6.9%	Materials -10.0%	Thematic Industrials & Infrastructure 18.7%	Health Care Innovation 4.9%	Clean Energy 0.9%	NextGen Hardware & Communications 13.7%	Clean Energy -14.0%	Health Care Innovation 47.3%	Thematic Industrials & Infrastructure 12.1%	Disruptive Technology 30.9%	Consumer Trends 7.2%	Thematic Industrials & Infrastructure 7.5%
Disruptive Technology 4.1%	NextGen Hardware & Communications -14.2%	Disruptive Technology 18.0%	Thematic REITs 4.7%	Thematic Industrials & Infrastructure 0.4%	Consumer Trends 12.0%	Disruptive Technology -14.3%	Financials 2.0 29.9%	Consumer Trends 11.5%	Health Care Innovation 30.9%	Thematic Industrials & Infrastructure 7.1%	Next Gen Software 7.3%
Thematic REITs 2.8%	Consumer Trends -14.8%	NextGen Hardware & Communications 18.0%	Disruptive Technology 4.1%	Consumer Trends -1.5%	Disruptive Technology 11.6%	Financials 2.0 -15.0%	NextGen Hardware & Communications 29.5%	Materials 10.7%	Materials 26.0%	Materials 5.6%	Materials 7.2%
Next Gen Software 2.5%	Financials 2.0 -15.6%	Clean Energy 16.3%	Financials 2.0 3.4%	Financials 2.0 -1.6%	Next Gen Software 10.8%	NextGen Hardware & Communications -17.9%	Disruptive Technology 28.8%	Health Care Innovation 9.9%	Consumer Trends 24.8%	Disruptive Technology 4.8%	Disruptive Technology 4.6%
Financials 2.0 1.8%	Next Gen Software -17.2%	Consumer Trends 14.8%	Materials 3.1%	Next Gen Software -2.4%	Materials 9.4%	Thematic Industrials & Infrastructure -18.1%	Materials 28.4%	Financials 2.0 9.7%	Next Gen Software 23.7%	Thematic REITs 3.8%	Health Care Innovation 4.3%
Consumer Trends -1.8%	Disruptive Technology -17.4%	Materials 12.8%	NextGen Hardware & Communications 2.2%	Materials -4.4%	Financials 2.0 6.1%	Materials -26.8%	Thematic Industrials & Infrastructure 28.1%	NextGen Hardware & Communications 8.9%	NextGen Hardware & Communications 23.6%	Next Gen Software 1.8%	Consumer Trends 0.9%
Clean Energy -3.2%	Thematic Industrials & Infrastructure -18.8%	Thematic REITs 11.1%	Consumer Trends 2.0%	Disruptive Technology -4.5%	Thematic Industrials & Infrastructure 5.7%	Consumer Trends -28.2%	Consumer Trends 25.2%	Next Gen Software 7.5%	Thematic Industrials & Infrastructure 14.8%	Health Care Innovation -3.1%	Clean Energy -1.1%
Materials -5.0%	Health Care Innovation -23.0%	Financials 2.0 9.7%	Next Gen Software -3.3%	Health Care Innovation -8.9%	Thematic REITs 2.4%	Thematic REITs -33.0%	Thematic REITs 24.6%	Thematic REITs 6.2%	Thematic REITs 14.5%	Clean Energy -5.0%	Financials 2.0 -6.9%

Source: MV Index Solutions. Meta Thematic index returns are the equal weighted returns of underlying Thematic indices listed in Exhibit 2.

Over the last quarter ending Q2 2021, the top performing MVIS index was MVIS Global Rare Earth/Strategic Metals (15% USD, Total Return) and the bottom performing MVIS index was MVIS Global Digital Assets Equity (-23% USD, Total Return).

**Exhibit 2: Thematic Index Returns (USD, ending 30 June 2021)**

Index Ticker	Index Name	Meta Theme	Launch Date	Base Date	Quarterly Returns (USD)				Last 3 Years (USD)		
					Q2-2021	Q1-2021	Q4-2020	Q3-2020	Ann Ret	Ann Stdev	Max Draw-Down
BEVNTR	BlueStar Electric Vehicle Industry	Clean Energy	01/19/21	12/29/17	10.3%	-12.5%	57.5%	43.7%	54.9%	57.9%	-19.0%
MVSMOGR	MVIS Global Low Carbon Energy	Clean Energy	02/23/21	12/31/15	3.8%	-8.1%	41.3%	34.2%	41.0%	26.5%	-17.2%
BGTQNT	BlueStar Global GreenTech	Clean Energy	07/06/20	12/30/16	3.6%	0.3%	36.2%	30.6%	35.4%	25.1%	-17.9%
BSOLRNTR	BlueStar Solar Energy Industry	Clean Energy	03/09/20	12/31/14	-3.7%	-9.0%	65.0%	79.7%	73.8%	39.9%	-28.5%
BWINDNTR	BlueStar Wind Energy Industry	Clean Energy	03/23/21	12/31/14	-5.7%	-5.3%	44.7%	23.6%	29.4%	23.4%	-12.3%
MVHTWOTR	MVIS Global Hydrogen Economy	Clean Energy	12/22/20	12/15/20	-5.9%	1.1%					
BHROTR	BlueStar Hydrogen and NextGen Fuel Cell	Clean Energy	03/09/21	06/30/20	-10.1%	-1.2%	80.7%				
BECOMNTR	BlueStar E-Commerce US Leaders	Consumer Trends	09/11/18	12/28/12	8.3%	2.1%	19.5%	15.3%	26.8%	24.8%	-14.0%
MYESPOTR	MVIS Global Video Gaming & eSports	Consumer Trends	07/16/18	12/31/14	7.1%	-2.7%	14.6%	18.4%	31.7%	19.3%	-15.8%
BAUTNTR	BlueStar Autonomous Driving	Consumer Trends	05/10/18	12/28/12	5.9%	9.5%	35.1%	9.2%	20.6%	29.4%	-21.6%
BEGAMNTR	BlueStar E-Games	Consumer Trends	10/05/18	12/29/14	5.0%	1.3%	10.9%	16.6%	18.9%	18.4%	-12.6%
BCCMNTR	BlueStar China Mainland Consumer 50	Consumer Trends	06/24/21	12/31/15	4.0%	-8.1%	29.6%	20.0%	27.3%	26.6%	-16.7%
MVBKTR	MVIS Global Gaming	Consumer Trends	05/08/12	12/29/06	-0.3%	14.2%	20.2%	17.6%	7.7%	33.1%	-28.5%
BTORNTR	BlueStar Travel and Vacation	Consumer Trends	05/13/19	12/31/15	-4.2%	18.0%	34.6%	11.1%	4.0%	40.3%	-38.3%
BCRUZTR	BlueStar Hotels, Airlines, and Cruises	Consumer Trends	06/01/21	12/31/17	-5.1%	17.2%	30.2%	6.7%	-1.9%	39.5%	-36.0%
BATORNTR	BlueStar Asia Travel and Vacation	Consumer Trends	06/24/21	12/31/15	-5.7%	12.3%	14.0%	6.3%	-2.2%	26.9%	-21.2%
BETORNTR	BlueStar Europe Travel and Vacation	Consumer Trends	05/12/21	12/31/15	-5.7%	8.7%	38.9%	-6.4%	-10.4%	42.6%	-36.3%
BGTNATR	BlueStar Israel Global Technology North America	Disruptive Technology	04/19/21	12/17/20	11.0%	-5.2%					
BGTHTR	BlueStar Israel Global Technology	Disruptive Technology	01/31/14	12/31/03	7.4%	-5.4%	24.4%	18.2%	28.9%	22.9%	-13.9%
BSEAGNTR	BlueStar Asia Technology	Disruptive Technology	08/13/18	06/29/13	3.4%	7.4%	24.9%	11.8%	26.7%	24.5%	-13.4%
B3DPNTR	BlueStar 3D Printing	Disruptive Technology	05/12/21	12/29/17	-3.3%	22.4%	43.5%	11.1%	23.3%	41.5%	-19.7%
BFNQNT	BlueStar Fintech	Financials 2.0	11/07/17	06/29/12	5.4%	-2.9%	26.2%	8.4%	18.2%	28.6%	-22.5%
BEKRNTR	BlueStar E-Brokers & Trading Platforms	Financials 2.0	03/31/21	12/29/17	-3.2%	55.8%	44.8%	11.1%	35.5%	27.4%	-6.7%
MVDAPPTR	MVIS Global Digital Assets Equity	Financials 2.0	03/08/21	02/26/21	-23.1%						
BDNANTR	BlueStar Genomic Health Care	Health Care Innovation	05/22/20	12/31/15	5.9%	-2.8%	43.0%	0.5%	29.7%	32.5%	-15.1%
BEHCNTR	BlueStar E-Healthcare	Health Care Innovation	01/22/21	12/31/15	2.7%	-3.3%	18.7%	19.3%	41.2%	25.5%	-12.7%
MVREMXTR	MVIS Global Rare Earth/Strategic Metals	Materials	10/13/10	12/28/07	15.0%	14.3%	73.1%	11.4%	11.4%	38.0%	-17.4%
BACOMNTR	BlueStar Asia-Pacific Commodities	Materials	06/24/21	12/31/15	10.5%	4.3%	24.3%	3.6%	12.6%	23.0%	-12.6%
MVGDJTR	MVIS Global Junior Gold Miners	Materials	08/31/09	12/31/03	4.3%	-17.4%	-0.5%	12.9%	14.2%	42.3%	-22.4%
MYMOOTR	MVIS Global Agribusiness	Materials	07/18/12	12/29/06	4.2%	12.5%	16.5%	12.4%	15.3%	18.9%	-14.1%
BMOONTR	BlueStar Agribusiness 50	Materials	05/03/21	12/31/15	1.9%	14.0%	16.7%	13.1%	13.1%	18.8%	-13.4%
BDATATR	BlueStar Big Data & Analytics	Next Gen Software	03/09/21	12/31/15	11.8%	0.3%	31.2%	3.8%	41.2%	34.4%	-15.3%
BAINTR	BlueStar Artificial Intelligence	Next Gen Software	03/26/18	12/31/12	10.8%	0.1%	18.0%	11.8%	27.0%	24.7%	-13.6%
BCHNQNT	BlueStar China Internet Software	Next Gen Software	08/13/18	06/29/13	-0.6%	5.1%	21.9%	6.8%	18.2%	29.7%	-18.2%
MVSMCTR	MVIS US Listed Semiconductor 10% Capped	NextGen Hardware & Communications	08/13/20	12/31/11	8.7%	11.9%	22.5%	15.4%	38.2%	24.1%	-16.1%
BFIVGTR	BlueStar 5G Communications	NextGen Hardware & Communications	01/10/19	12/30/16	8.5%	5.0%	18.6%	4.8%	20.7%	19.5%	-12.8%
BGFGNTR	BlueStar Global 5G Connectivity	NextGen Hardware & Communications	07/26/19	12/15/15	7.8%	4.3%	21.6%	5.1%	21.5%	20.1%	-11.4%
MVSMHTR	MVIS US Listed Semiconductor 25	NextGen Hardware & Communications	08/12/11	09/29/00	7.7%	11.5%	26.0%	14.0%	38.6%	24.7%	-15.5%
BQUFCNTR	BlueStar US Quantum & Future Computing	NextGen Hardware & Communications	03/08/21	12/18/15	7.5%	14.1%	27.0%	6.7%	36.4%	24.2%	-13.0%
BQTUMTR	BlueStar Machine Learning and Quantum Computing	NextGen Hardware & Communications	06/07/18	12/18/15	6.7%	13.3%	26.0%	7.2%	30.9%	23.4%	-13.1%
BLOGTNTR	BlueStar Global Logistics Benchmark	Thematic Industrials & Infrastructure	10/23/20	12/29/06	8.1%	11.4%	6.1%	13.2%	0.0%		
BECLGNTR	BlueStar E-Commerce, Payments, and Logistics	Thematic Industrials & Infrastructure	03/01/21	12/29/06	7.7%	7.5%	13.0%	17.9%	29.9%	20.4%	-9.1%
BRBTNTR	BlueStar Robotics	Thematic Industrials & Infrastructure	01/29/18	06/29/12	7.4%	4.8%	24.3%	10.2%	20.6%	26.2%	-15.1%
BTOTNTR	BlueStar Total Security	Thematic Industrials & Infrastructure	07/08/19	12/31/15	7.3%	-0.1%	25.5%	3.6%	17.4%	22.2%	-14.2%
BLOGRNTR	BlueStar Global Logistics	Thematic Industrials & Infrastructure	10/23/20	12/29/06	7.2%	12.1%	5.1%	15.5%	24.2%	14.6%	-7.5%
BDLRTNTR	BlueStar Data Center and Logistics Real Estate	Thematic REITs	08/05/19	12/31/13	11.4%	-0.4%	4.9%	7.4%	0.0%		
MYMVAATR	MVIS Australia A-REITs (AUD)	Thematic REITs	12/11/12	12/29/06	8.7%	-0.9%	13.7%	6.0%	8.2%	27.1%	-35.6%
MVMORTTR	MVIS US Mortgage REITs	Thematic REITs	08/04/11	12/30/04	6.0%	12.8%	25.0%	5.2%	-0.2%	39.8%	-56.2%

Source: MV Index Solutions. Total Return Indices, \*Net Total Return Indices

## New Index Launches

BATORNTR	<a href="#">BlueStar Asia Travel and Vacation</a>	Consumer Trends	The index provides exposure to the Asia Travel and Vacation industry.
BCCONNTR	<a href="#">BlueStar China Mainland Consumer 50</a>	Consumer Trends	The Index provides exposure to China Mainland listed securities that derive 50% of revenue from within China and Hong Kong and are primarily engaged in the consumer discretionary or consumer staples sectors.
BETORNTR	<a href="#">BlueStar Europe Travel and Vacation</a>	Consumer Trends	The index provides exposure to the European Travel and Vacation industry.
BCRUZTR	<a href="#">BlueStar Hotels, Airlines, and Cruises</a>	Consumer Trends	The index provides exposure to tourism industry securities that derive 50% of revenue or operating activity from the passenger airline, hotels and resorts (excluding motel chains), and/or cruise industries.
B3DPNTR	<a href="#">BlueStar 3D Printing</a>	Disruptive Technology	The BlueStar 3D Printing Index tracks the performance of global companies active in the 3D printing sector.
BGTNATR	<a href="#">BlueStar Israel Global Technology North America</a>	Disruptive Technology	The index includes Israeli companies, listed in North America, operating in industries ranging from information technology to biotechnology, defense and security technology, and clean energy technology.
BMOONTR	<a href="#">BlueStar Agribusiness 50</a>	Materials	The index provides pure-play exposure to the global agribusiness industry. It tracks the top 50 companies by market capitalisation on selected exchanges.
BACOMNTR	<a href="#">BlueStar Asia-Pacific Commodities</a>	Materials	The index tracks the performance of the commodity miners and commodity/agriculture producers domiciled in South East Asia, Japan, India, China, Japan, Australia, and New Zealand.

## Licensed Product News

As of Q2 2021, total thematic products licensed stands at \$30bn USD. We are excited to welcome our newest products licensed in Q2 2021.

MVDAPP	<a href="#">MVIS Global Digital Assets Equity Index</a>	14 April 2021
MVSMOGTR	<a href="#">MVIS Low Carbon Energy Index</a>	26 April 2021
BDNANTR	<a href="#">BlueStar Genomic Health Care Index</a>	10 May 2021
BCRUZ	<a href="#">BlueStar Hotels, Airlines, and Cruises Index</a>	04 June 2021
BFIVG	<a href="#">BlueStar 5G Communications Index</a>	10 June 2021
BTOUR	<a href="#">BlueStar Travel and Vacation Index</a>	10 June 2021
BMOO	<a href="#">BlueStar Agribusiness 50 Index</a>	29 June 2021

# Rebuilding Tourism



## Thematic Spotlight

According to the United Nation's World Tourism Organization (UNWTO)<sup>1</sup>, 2020 was the worst year in tourism history. Approximately 1 in 10 people worldwide work in the tourism sector. The impact of the pandemic has put 100-120 million jobs at risk, with an estimated \$1.3 trillion loss in export revenue due to international tourist arrivals decline of -87% percent in January 2021 (Asia and the Pacific -96%). According to the UNWTO's estimates, it will take the industry between 2.5 and 4 years to return to pre-pandemic levels of international tourist arrivals.

The [MVIS BlueStar Travel and Vacation Index \(ticker: BTOUR\)](#), an index providing exposure to the global tourism industry, fell by -50% (USD Net Total Return) during Q1 2020, but has since recovered with performance +70% (USD Net Total Return) over the last twelve months ending 30 June 2021. BTOUR was launched in May 2019, prior to the pandemic, A year and a half since the pandemic, the global economy is poised to stage its most robust post-recession recovery in 80 years in 2021. On the back of client demand, MVIS has launched additional indices in the tourism theme: [BlueStar Asia Travel and Vacation \(ticker: BATOR\)](#), [BlueStar Europe Travel and Vacation \(ticker: BETOR\)](#), and [BlueStar Hotels, Airlines, and Cruises Index \(ticker: BCRUZ\)](#).

"This crisis is an opportunity to rethink the tourism sector and its contribution to the people and planet; an opportunity to build back better towards a more sustainable, inclusive and resilient tourism sector that ensure the benefits of tourism are enjoyed widely and fairly," said Zurab Pololikashvili (UNWTO Secretary-General).

To learn more about MVIS's extended family of innovative indices, please visit [www.mvis-indices.com](http://www.mvis-indices.com) and sign up to join the conversation.

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<sup>1</sup> The World Tourism Organization ([UNWTO](#)) is the United Nations agency responsible for the promotion of responsible, sustainable and universally accessible tourism.

## IMPORTANT DEFINITIONS AND DISCLOSURES

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