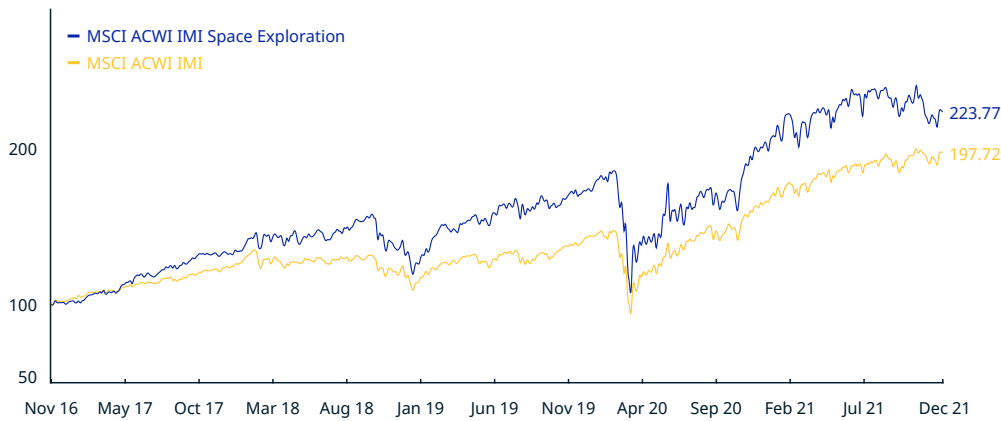


# MSCI ACWI IMI Space Exploration Index (USD)

The MSCI ACWI IMI Space Exploration Index, developed in collaboration with ARK Invest, is based on the MSCI ACWI IMI Index\*, its parent index, and includes large, mid and small-cap securities across 23 Developed Markets (DM) and 25 Emerging Markets (EM) countries\*\*. The Index aims to represent the performance of a set of companies associated with the development of new products and services with the development of new products and services such as orbital and sub-orbital spaceflights, satellite communications and urban air mobility.

## CUMULATIVE INDEX PERFORMANCE – NET RETURNS (USD) (NOV 2016 – DEC 2021)

## ANNUAL PERFORMANCE (%)



Year	MSCI ACWI IMI Space Exploration	MSCI ACWI IMI
2021	9.36	18.22
2020	18.48	16.25
2019	36.30	26.35
2018	-5.71	-10.08
2017	33.97	23.95

## INDEX PERFORMANCE – NET RETURNS (%) (DEC 31, 2021)

## FUNDAMENTALS (DEC 31, 2021)

	1 Mo	3 Mo	1 Yr	YTD	ANNUALIZED				Since Nov 30, 2016	Div Yld (%)	P/E	P/E Fwd	P/BV
					3 Yr	5 Yr	10 Yr	Since Nov 30, 2016					
MSCI ACWI IMI Space Exploration	3.84	0.12	9.36	9.36	20.87	17.41	na	17.15	0.91	40.57	26.19	4.00	
MSCI ACWI IMI	3.97	6.10	18.22	18.22	20.20	14.12	na	14.34	1.73	21.68	18.19	2.92	

## INDEX RISK AND RETURN CHARACTERISTICS (NOV 30, 2016 – DEC 31, 2021)

	Beta	Tracking Error (%)	Turnover (%) <sup>1</sup>	ANNUALIZED STD DEV (%) <sup>2</sup>			SHARPE RATIO <sup>2, 3</sup>			Since Nov 30, 2016	MAXIMUM DRAWDOWN (%)	Period YYYY-MM-DD
				3 Yr	5 Yr	10 Yr	3 Yr	5 Yr	10 Yr			
MSCI ACWI IMI Space Exploration	1.18	8.46	18.55	22.18	19.64	na	0.92	0.86	na	0.85	39.76	2020-02-12–2020-03-23
MSCI ACWI IMI	1.00	0.00	3.23	17.53	15.17	na	1.08	0.87	na	0.89	34.52	2020-02-12–2020-03-23

<sup>1</sup> Last 12 months <sup>2</sup> Based on monthly net returns data <sup>3</sup> Based on NY FED Overnight SOFR from Sep 1 2021 & on ICE LIBOR 1M prior that date

\*The index also includes equity securities that are not classified as US securities in the ACWI IMI Index but are listed on eligible US exchanges according to the MSCI Global Investable Indexes Methodology.

\*\*DM countries include: Australia, Austria, Belgium, Canada, Denmark, Finland, France, Germany, Hong Kong, Ireland, Israel, Italy, Japan, Netherlands, New Zealand, Norway, Portugal, Singapore, Spain, Sweden, Switzerland, the UK and the US. EM countries include: Brazil, Chile, China, Colombia, Czech Republic, Egypt, Greece, Hungary, India, Indonesia, Korea, Kuwait, Malaysia, Mexico, Peru, Philippines, Poland, Qatar, Russia, Saudi Arabia, South Africa, Taiwan, Thailand, Turkey and United Arab Emirates.

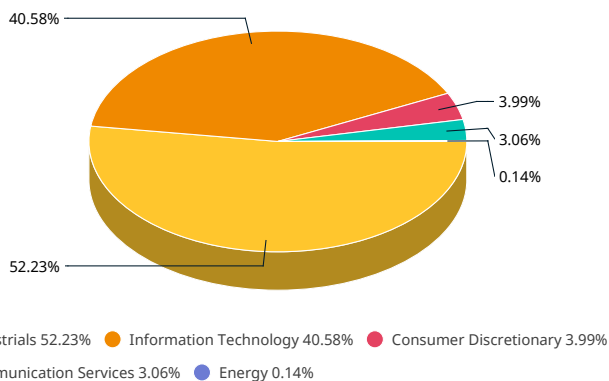
**INDEX CHARACTERISTICS**

	MSCI ACWI IMI Space Exploration	MSCI ACWI IMI
<b>Number of Constituents</b>	54	9,309
	Weight (%)	
<b>Largest</b>	5.69	3.67
<b>Smallest</b>	0.08	0.00
<b>Average</b>	1.85	0.01
<b>Median</b>	1.04	0.00

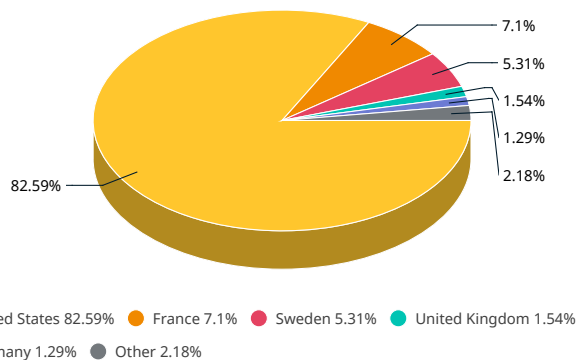
**TOP 10 CONSTITUENTS**

	Country	Index Wt. (%)	Parent Index Wt. (%)	Sector
NORTHROP GRUMMAN CORP	US	5.69	0.07	Industrials
LOCKHEED MARTIN CORP	US	5.37	0.11	Industrials
HEXAGON B	SE	5.31	0.04	Info Tech
ANSYS	US	5.20	0.04	Info Tech
RAYTHEON TECHNOLOGIES	US	5.12	0.16	Industrials
TELEDYNE TECHNOLOGIES	US	5.02	0.03	Info Tech
L3HARRIS TECHNOLOGIES	US	5.01	0.05	Industrials
TRIMBLE	US	4.90	0.03	Info Tech
DASSAULT SYSTEMES	FR	4.89	0.05	Info Tech
HONEYWELL INTERNATIONAL	US	4.88	0.18	Industrials
<b>Total</b>		<b>51.40</b>	<b>0.77</b>	

**SECTOR WEIGHTS**



**COUNTRY WEIGHTS**



**INDEX METHODOLOGY**

The Index selects companies which are assessed to have high exposure to the products and services focused on orbital and sub-orbital spaceflights including reusable launch systems, hypersonic travel and satellite connectivity, technologically enabled products and services focused on space exploration including 3D printing, unmanned aerial vehicles and astronics and others including urban air mobility, satellite imaging and satellite communication.

The Index is reviewed on Semi-Annual basis in May and November to coincide with the May and November Semi-Annual Index Review of the Parent Index, and the changes are implemented at the end of May and November, respectively. MSCI may seek input from ARK Invest on the ongoing evolution of the themes underlying the index. However, such input is advisory only in nature. MSCI alone decides whether to use such input at all or to what extent.

**ABOUT MSCI**

MSCI is a leading provider of critical decision support tools and services for the global investment community. With over 45 years of expertise in research, data and technology, we power better investment decisions by enabling clients to understand and analyze key drivers of risk and return and confidently build more effective portfolios. We create industry-leading research-enhanced solutions that clients use to gain insight into and improve transparency across the investment process. To learn more, please visit [www.msci.com](http://www.msci.com).

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