

MVIS Global Hydrogen Economy ESG Index

The MVIS Global Hydrogen Economy ESG Index (MVHTWO) tracks the performance of the largest and most liquid companies in the global hydrogen industry. This is a modified market cap-weighted index, and only includes companies that generate at least 50% of their revenue from hydrogen or hydrogen-related projects, fuel cells, or the industrial gases projects. MVHTWO covers at least 90% of the investable universe.

Key Features



	All Time High/Low	52-Week High/Low
Total Return Net Index	1,568.36/601.24	1,135.72/601.24

Size and Liquidity Requirements

Full MCap of at least 150 mln USD. Three month average-daily-trading volume of at least 1 mln USD at a review and also at the previous two reviews. At least 250,000 shares traded per month over the last six months at a review and also at the previous two reviews.

Pure-Play

Companies have to generate at least 50% revenues from the hydrogen economy (exceptions possible).

Diversification

Company weightings are capped at 10%.

Review

Quarterly.

Index Data

INDEX PARAMETERS

Launch Date	22 Dec 2020	Components	25
Type	Sector	Volatility (1 year)	35.54
Currency	USD	Full MCap bn USD	335.85
Base Date	15 Dec 2020	Float MCap bn USD	283.91
Base Value	1,000.00	Correlation* (1 year)	0.84

* S&P Global Clean Energy

FUNDAMENTALS*

Price/Earnings Trailing	-80.33
Price/Book	3.05
Price/Sales	2.81
Price/Cash Flow	9.30
Dividend Yield	0.62

* as of 30 Apr 2022

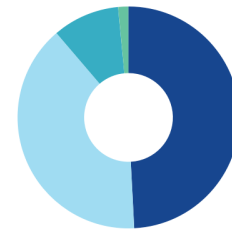
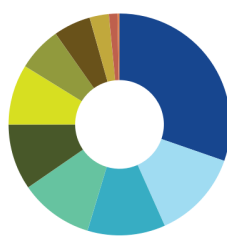
ANNUALISED PERFORMANCE*

1 Month	-12.11%
1 Year	-33.95%
3 Years	-
5 Years	-
Since Inception	-26.06%

* Total Return Net Index

Country and Size Weightings

Country	Count	Weight
United States	6	30.33%
France	2	12.97%
United Kingdom	4	11.38%
Ireland	1	10.72%
Japan	1	9.61%
Norway	3	8.80%
Canada	2	6.43%
South Korea	2	5.43%
Sweden	2	2.81%
Germany	1	1.26%
Israel	1	0.27%

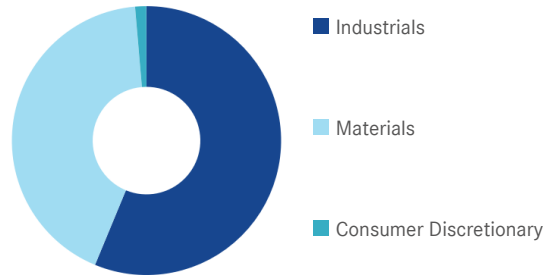


Size	Count	Weight
Large-Cap (> 6 bn)	5	49.20%
Mid-Cap (1.5 bn - 6 bn)	7	39.54%
Small-Cap (0.2 bn - 1.5 bn)	8	9.78%
Micro-Cap (0.0 bn - 0.2 bn)	5	1.48%

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Sector Weightings

Sector	Count	Weight
Industrials	19	56.26%
Materials	5	42.39%
Consumer Discretionary	1	1.35%



Index Components

Top Components by Weight	Country	Weight	Best Performing Components	YTD	1 Day
AIR LIQUIDE SA	FR	11.57%	XEBEC ADSORPTION INC	-64.38%	0.53%
LINDE PLC	IE	10.72%	LINDE PLC	-7.11%	0.02%
AIR PRODUCTS & CHEMICALS INC	US	10.21%	MITSUBISHI CHEMICAL HOLDINGS	-16.06%	-0.17%
MITSUBISHI CHEMICAL HOLDINGS	JP	9.61%	HEXAGON PURUS ASA	49.88%	-0.35%
NEL ASA	NO	7.58%	AIR PRODUCTS & CHEMICALS INC	-21.66%	-0.47%
PLUG POWER INC	US	7.09%			
ITM POWER PLC	GB	6.63%			
BLOOM ENERGY CORP	US	6.11%			
BALLARD POWER SYSTEMS INC	CA	6.03%			
NIKOLA CORP	US	5.52%			
DOOSAN FUEL CELL CO LTD	KR	4.07%			
CERES POWER HOLDINGS PLC	GB	3.60%			
Subtotal		88.74%			

Worst Performing Components	YTD	1 Day
POWERHOUSE ENERGY GROUP PLC	-54.81%	-10.76%
BALLARD POWER SYSTEMS INC	-47.49%	-9.16%
PLUG POWER INC	-46.23%	-8.77%
GENCELL LTD	-60.00%	-8.20%
BLOOM ENERGY CORP	-31.55%	-6.60%

Symbols

	Symbol	ISIN	WKN	Sedol	Bloomberg	Reuters	Telekurs
Price Index	MVHTWO	DE000SLOCAD4	SLOCAD	BN6HRB5	MVHTWO	.MVHTWO	58966335
Total Return Net	MVHTWOTR	DE000SLOCAE2	SLOCAE	BN6HRC6	MVHTWOTR	.MVHTWOTR	58966341
Total Return Gross	-	-	-	-	-	-	-

For further information visit www.mvis-indices.com

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