

## BlueStar® Hydrogen and NextGen Fuel Cell Index

The BlueStar® Hydrogen and NextGen Fuel Cell Index (BHDRO) tracks the performance of the largest and the most liquid companies in the global hydrogen and fuel cell industries. This is a modified market cap-weighted index, and includes companies that generate a primary source of their revenue or potential revenue from hydrogen production and fuel cells. BHDRO covers at least 95% of the investable universe.

### Key Features



	All Time High/Low	52-Week High/Low
<b>Total Return Net Index</b>	296.49/37.27	72.77/37.27

#### 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.

#### Universe

Companies have to derive 50% or revenue or operating activity from hydrogen energy or fuel cell projects (exceptions possible).

#### Diversification

Company weightings are capped at 10%.

#### Review

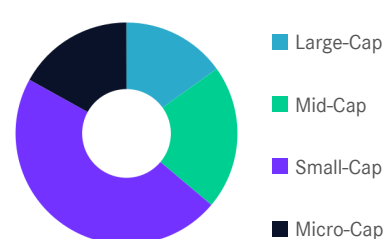
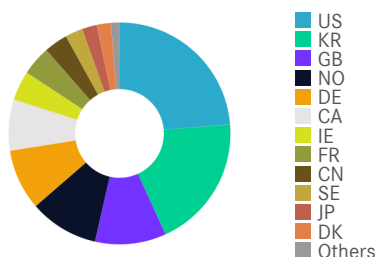
Quarterly.

### Index Data

INDEX PARAMETERS				FUNDAMENTALS*		ANNUALISED PERFORMANCE*	
Launch Date	09 Mar 2021	Components	24	Price/Earnings Trailing	-7.92	1 Month	-8.31%
Type	Sector	Volatility (250 days)	31.36	Price/Book	1.62	1 Year	-46.42%
Currency	USD	Full MCap bn USD	406.02	Price/Sales	3.37	3 Years	-42.98%
Base Date	19 Jun 2020	Float MCap bn USD	328.52	Price/Cash Flow	21.95	5 Years	-
Base Value	100.00	Correlation* (250 days)	0.79	Dividend Yield	0.29	7 Years	-22.72%
* S&P Global Clean Energy				* as of 31 Mar 2024		* Total Return Net Index	

### Country and Size Weightings

Country	Count	Weight
United States	4	23.71%
South Korea	4	19.47%
United Kingdom	3	10.37%
Norway	2	10.10%
Germany	2	8.86%
Canada	1	7.42%
Ireland	1	4.31%
France	1	4.30%
China	1	3.45%
Sweden	1	2.56%
Japan	2	2.17%
Denmark	1	2.06%
Others	1	1.22%

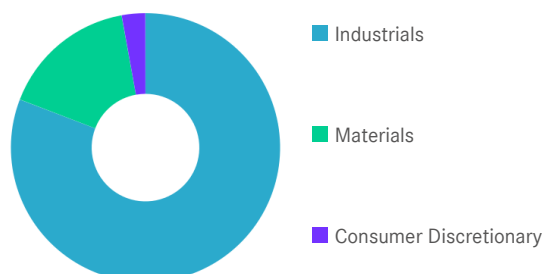


Size	Count	Weight
Large-Cap (> 6 bn)	5	15.11%
Mid-Cap (1.5 bn - 6 bn)	4	21.03%
Small-Cap (0.2 bn - 1.5 bn)	9	46.90%
Micro-Cap (0.0 bn - 0.2 bn)	6	16.96%

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## Sector Weightings

Sector	Count	Weight
Industrials	17	80.83%
Materials	6	16.33%
Consumer Discretionary	1	2.84%



## Index Components

Top Components by Weight	Country	Weight	Best Performing Components	YTD	1 Day
BLOOM ENERGY CORP	US	9.80%	S-FUELCELL CO LTD	-23.32%	2.50%
NEL ASA	NO	8.85%	NIPPON SANSO HOLDINGS CORP	7.78%	2.24%
DOOSAN FUEL CELL CO LTD	KR	8.73%	DOOSAN FUEL CELL CO LTD	-24.71%	1.98%
BALLARD POWER SYSTEMS INC	CA	7.42%	ILJIN HYSOLUS CO LTD	-20.40%	1.80%
PLUG POWER INC	US	6.00%	BUMHAN FUEL CELL CO LTD	-14.35%	1.71%
SFC ENERGY AG	DE	4.85%			
ITM POWER PLC	GB	4.45%			
AIR PRODUCTS & CHEMICALS INC	US	4.34%			
LINDE PLC	IE	4.31%			
AIR LIQUIDE SA	FR	4.30%			
BUMHAN FUEL CELL CO LTD	KR	4.15%			
CERES POWER HOLDINGS PLC	GB	4.12%			
<b>Subtotal</b>		71.30%			
			<b>Worst Performing Components</b>	<b>YTD</b>	<b>1 Day</b>
			PLUG POWER INC	-46.44%	-6.95%
			FUELCELL ENERGY INC.	-46.06%	-6.06%
			GREEN HYDROGEN SYSTEMS A/S	31.71%	-4.14%
			AFC ENERGY PLC	-13.89%	-4.13%
			BALLARD POWER SYSTEMS INC	-31.86%	-2.85%

## Symbols

	Symbol	ISIN	WKN	Sedol	Bloomberg	Reuters	Telekurs
<b>Price Index</b>	BHDRO	DE000SL0CSA2	SL0CSA	BKSCWZ6	BHDRO	.BHDRO	599 18170
<b>Total Return Net</b>	BHDRONTR	DE000SL0CSB0	SL0CSB	BKSCWY5	BHDRONTR	.BHDRONTR	599 18347
<b>Total Return Gross</b>	BHDROTR	DE000SL0CSC8	SL0CSC	BKSCWX4	BHDROTR	.BHDROTR	599 18349

For further information visit [www.marketvector.com](http://www.marketvector.com)

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