



## Kernel Funds

### Kernel S&P Kensho Electric Vehicle Innovation Fund

#### Fund update for the quarter ended 31 December 2021

This fund update was first made publicly available on 10<sup>th</sup> February 2022.

#### What is the purpose of this update?

This document tells you how the Kernel S&P Kensho Electric Vehicle Innovation Fund has performed and what fees were charged. The document will help you to compare the fund with other funds. Kernel Wealth Limited prepared this update in accordance with the Financial Markets Conduct Act 2013. This information is not audited and may be updated.

#### Description of this fund

The Kernel S&P Kensho Electric Vehicle Innovation Fund invests in U.S. Listed companies involved in the electric vehicle sector and the industries supporting it. It is designed to track the S&P Kensho Electric Vehicles Index (NZD).

Total value of the fund:	\$7,099,690.58
The date the fund started:	17 February 2021

#### What are the risks of investing?

Risk indicator for the Kernel S&P Kensho Electric Vehicle Innovation Fund:



The risk indicator is rated from 1 (low) to 7 (high). The rating reflects how much the value of the fund's assets goes up and down. A higher risk generally means higher potential returns over time, but more ups and downs along the way.

To help you clarify your own attitude to risk, you can seek financial advice or work out your risk profile at [www.sorted.org.nz/tools/investor-kickstarter](http://www.sorted.org.nz/tools/investor-kickstarter).

Note that even the lowest category does not mean a risk-free investment, and there are other risks that are not captured by this rating.

This risk indicator is not a guarantee of a fund's future performance. The risk indicator is based on the returns data<sup>1</sup> for 5 years to 31 December 2021. While risk indicators are usually relatively stable, they do shift from time to time. The risk indicator will continue to be updated in future fund updates. See the Product Disclosure Statement for the Kernel Funds for more information about the risks associated with investing in this fund.

#### How has the fund performed?

	Past year
<b>Annual return</b> (after deductions for charges and tax)	Not applicable
<b>Annual return</b> (after deductions for charges but before tax)	Not applicable
<b>Market index annual return</b> (reflects no deduction for charges and tax)	3.24%

The market index annual return is based on the annual return of the S&P Kensho Electric Vehicles Index (NZD). Additional information about the market index is available in the 'Statement of Investment Policy and Objectives' document on the offer register at

[www.disclose-register.companiesoffice.govt.nz](http://www.disclose-register.companiesoffice.govt.nz).

#### What fees are investors charged?

Investors in the Kernel NZ S&P Kensho Electric Vehicle Innovation Fund are charged fund charges. In the period to 31 March 2022 these are estimated to be:

	% per annum of fund's net asset value
<b>Total fund charges</b>	<b>0.55%</b>
Which are made up of:	
<b>Total management and administration charges</b>	0.55%
Including –	
Manager's basic fee	0.55%
Other management and administration charges	0.00%

Investors are not charged individual action fees for specific actions or decisions (for example, for withdrawing from funds). All fees are inclusive of GST.

Small differences in fees and charges can have a big impact on your investment over the long term.

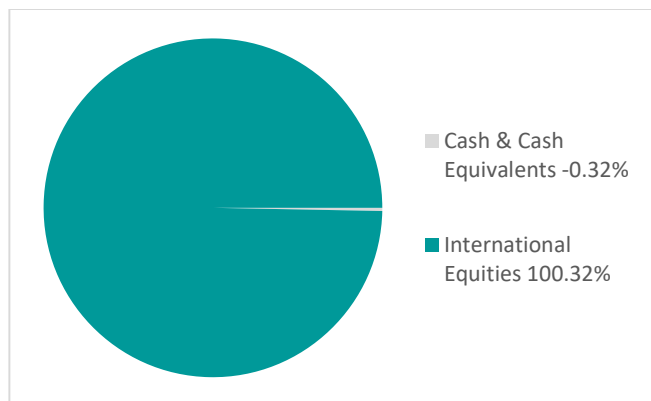
#### Example of how this applies to an investor

Emma had \$10,000 in the fund on 17 February 2021 and did not make any further contributions. On 31 December, Emma incurred a loss after fund charges were deducted of \$1,439.28 (that is -14.39% of her initial \$10,000). This gives Emma a total loss after tax of \$1,516.15 for the period.

## What does the fund invest in?

### Actual investment mix

This shows the types of assets that the fund invests in.



### Target investment mix

This shows the mix of assets that the fund generally intends to invest in.

Asset Category	Target asset mix
Cash and cash equivalents	-
New Zealand fixed interest	-
International fixed interest	-
Australasian equities	-
International equities	100.00%
Listed property	-
Unlisted property	-
Commodities	-
Other	-

### Top 10 investments

Name	% of fund's net asset value	Type	Country	Credit rating (if applicable)
Hyzon Motors	2.79%	Global equities	United States	
Gentherm	2.76%	Global equities	United States	
Allison Transmission	2.73%	Global equities	United States	
XPeng	2.71%	Global equities	China	
Garrett Motion	2.70%	Global equities	United States	
Lear Corp	2.66%	Global equities	United States	
Li Auto Inc	2.59%	Global equities	China	
Dana Incorporated	2.53%	Global equities	United States	
American Axle & Manufacturing	2.52%	Global equities	United States	
Borgwarner	2.50%	Global equities	United States	

The top 10 investments make up 26.49% of the fund's net asset value.

**Currency hedging** – The fund is not hedged for currency.

### Key personnel

This shows the directors and employees who have the most influence on the investment decisions of the fund:

Name	Current position	Years	Months	Previous position	Years	Months
Dean Anderson	Chief Executive	3	3	Smartshares Product Manager, NZX	4	4
Stephen Upton	Chief Operating Officer	2	6	Smartshares Chief Operating Officer - NZX	3	6
Kerry McIntosh	Director	2	6	Operating Partner, Zino Ventures (current)	3	10
Paul Hocking	Director	2	6	Director, Trustees Executors Limited	10	9
Julian Knights (new)	Director	1	1	Founding Partner, Ironbridge Capital	17	8

### Further information

You can also obtain this information, the Product Disclosure Statement for the Kernel Funds, and some additional information from the offer register at [www.disclose-register.companiesoffice.govt.nz](http://www.disclose-register.companiesoffice.govt.nz).

### Notes

1 Market index returns (as well as actual returns) have been used to complete the risk indicator, as the fund has not been in existence for 5 years. As a result, the risk indicator may provide a less reliable indicator of the potential future volatility of the fund. The risk indicator for the fund uses 4 years and 1 months of market index returns.