



## Investment Rationale

- Green incentive plans, technology breakthroughs and rising consumer adoption are giving a massive boost to the energy transition and to our electric future, with the stated goal to get to a carbon-free world in 2050.
- With renewable energies set to become dominant in the power mix, storage becomes a key element of the power puzzle. Hydrogen has a major role to play in both renewable energy storage and e-Mobility for long-haul and heavy-load vehicles, while electric batteries should remain more competitive for cars and smaller devices in the foreseeable future.
- e-Mobility, which is the main application of the electrification theme, is expected to enjoy massive growth thanks to a major EV product cycle and to a flurry of incentives.

## Certificate Details

<b>ISIN</b>	DE000US8JLA4	XS2168939218	XS2168939721
<b>NAV</b>	USD 76.2	USD 46.8	EUR 52.6
<b>Inception Date</b>	02.10.2020	03.03.2021	08.03.2021
<b>Issuer Rating</b>	Kepler - UBS S&P A+	Kepler - JPM S&P A+	Kepler - JPM S&P A+
<b>Number of Holdings</b>	31		
<b>Liquidity</b>	Daily		
<b>Management fees</b>	1.6% (incl. Issuer fees)		
<b>Performance fees</b>	15% (HWM)		

## Investment Universe



## December Report

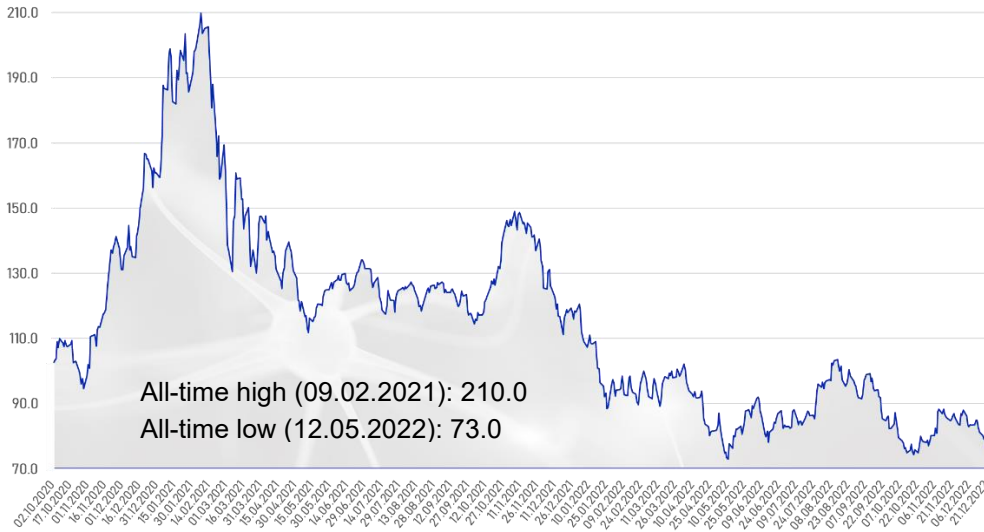
- The Hydrogen & Electrons certificate fell 12.3% in December and underperformed the MSCI World by 8.1%.
- Nuclear fusion was in the spotlight after the National Ignition Facility in California was able to generate a fusion reaction with a net-positive energy balance (meaning that with an input of 100% of energy, the fusion reactor could deliver a more than 100% energy output). Even if the common use of this energy source is still decades away, this breakthrough is nevertheless the proof that the research efforts are heading towards the right direction and that further improvements in

alloys for super magnets as well as superconductivity will enable the adoption of this abundant and clean energy source in the future.

- Meanwhile, despite the risk-off mood in equity markets and its impact on cleantech valuations, massive investments keep being announced in most parts of the world and will fuel major revenue growth over the next couple of years. In the US, clean energy investments reached \$40 billion in the first 3 months since the passage of the Inflation Reduction Act. And China announced a \$11 billion renewables project in a desert region in Inner Mongolia, a small step in its massive clean-power ambitions.



## Performance



	2020	2021	2022
Jan		15.5%	-18.6%
Feb		-13.9%	3.9%
Mar		-9.1%	-1.5%
Apr		-9.9%	-17.2%
May		-4.4%	6.9%
Jun		6.4%	-4.4%
Jul		-6.2%	15.0%
Aug		0.5%	-0.6%
Sep		-6.1%	-13.7%
Oct	-5.4%	20.5%	-5.0%
Nov	45.6%	-2.2%	11.2%
Dec	16.8%	-14.7%	-12.4%
<b>Annual</b>	<b>60.8%</b>	<b>-26.5%</b>	<b>-35.5%</b>

### Top Contributors

Vestas Wind (VWS DC)  
Yunnan Energy (002812 C2)  
CATL (300750 C2)

### Worst Contributors

Daqo New Energy (DQ US)  
SunPower (SPWR US)  
Enphase (ENPH US)

### Risk

Beta vs. MSCI AC World	1.7
Correlation vs. MSCI AC World	0.6
Realized Volatility (Annualized)	43%
Cash Allocation	6%

## Portfolio Structure

### Top Holdings

Enphase (ENPH US)  
Vestas Wind (VWS DC)  
Infineon (IFX GR)

### Top 5 Currencies

USD	57%
CNH	15%
EUR	11%
DKK	7%
NOK	3%

### Market Cap Breakdown [USD]

Mega (> 200bn)	2%
Large (10bn to 200bn)	58%
Medium (2bn to 10bn)	32%
Small (300mln to 2bn)	2%
Micro (50mln to 300mln)	0%

This document has been issued by Synapse Invest Sàrl (hereinafter «Synapse» or the «Company»). It reflects the opinions of Synapse as of the date of issue. All information and opinions included in this document are subject to change and may be modified without notice. It is not intended for distribution, publication, or use in any jurisdiction where such distribution, publication, disposal or use would be unlawful, or contrary to the rules and regulations in place or would expose the Company to registration or licensing requirements in the said jurisdiction nor is it directed to any person or entity to which it would be unlawful to direct such a document.

This document has been made on a best efforts basis and is furnished for information purposes only and does not constitute an offer or solicitation to buy, sell or subscribe to any securities or financial instruments. The Company strives to publish research reports of impartial, independent, honest, clear and not misleading analysis only and issues such reports at the time it considers as the most appropriate.

The information and analysis contained herein have been based on sources believed to be reliable. However, Synapse does not guarantee their timeliness, accuracy, or completeness, nor does it accept any liability for any loss or damage resulting from their use. The opinions herein do not take into account individual clients' circumstances, objectives, or needs and the Company has taken no measure to ensure appropriateness and/or suitability of investments in the securities covered by this report to any particular investor or category of investor. Each investor must make his own independent decisions regarding any securities or financial instruments mentioned herein. Before entering into any transaction, each client is urged to consider the suitability of the transaction in relation to his particular circumstances and to independently review, with professional advisors as necessary, the specific risks incurred, in particular at the financial, regulatory and tax levels. Synapse shall accept no responsibility for the use of the elements presented in this report. This exclusion shall not apply in cases specifically provided for in the applicable regulation and legislation.

Past performance is not a guarantee for current or future returns. The value of securities and financial instruments are subject to market and exchange rates fluctuations that may positively or negatively impact the price of and/or revenues from these securities and financial instruments. Investors may get back less than originally invested or even suffer losses in excess of the initial investment amount.

This document is confidential and is intended only for the use of the person to whom it was delivered. Unless otherwise stated, the elements of this report are the property of Synapse subject to relevant author rights. The content of this report or any elements of it may not in any way be altered, copied, transmitted or distributed to any party other than whom it was originally intended for without the prior written approval of Synapse. This report may include references or links to websites. These are provided for information only. The Company has not carried out any controls on these websites and shall accept no responsibility for their content.

This research report is issued by Synapse Invest Sàrl, a Swiss investment manager authorized and self-regulated in Switzerland by the ARIF.