# Hydrogen Certificate (H2C)

February 2023

## Strategy

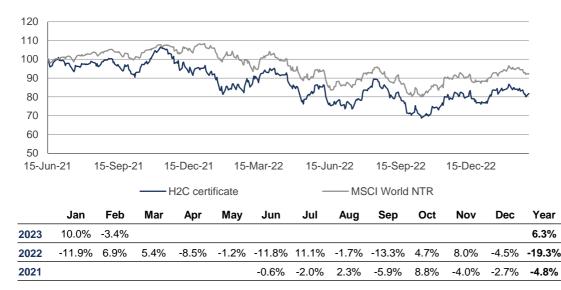
Thematic global equity exposure to best capture the developments of the hydrogen economy.

Concentrated portfolio of 25 - 30 stocks that demonstrate above-average thematic exposure, based on materiality assessment. The stock selection process includes proprietary quantitative screens and qualitative evaluation.

Diversified exposure across 4 hydrogen buckets: Core (direct hydrogen sales, electrolysers, fuel cells), Infrastructure (clean power – upstream – and H2 transportation – downstream), Decarb users (hydrogen as a feedstock/fuel/heat) and Tech enablers (intangible know how that can facilitate the deployment of hydrogen).

# Performance<sup>1</sup>

	MTD	YTD	Since certificate inception
H2C certificate	-3.4%	6.3%	-18.3%
Solactive Hydrogen Economy	-5.8%	8.0%	-39.4%



# Comment

In February the hydrogen strategy posted a negative performance of -3.4%, compared to -5.8% for the benchmark Solactive Hydrogen Economy.

In USD terms, Nippon Sanso (+10.5%), Linde (+5.3%) and Equinor (+2.2%) were the top 3 performers. "Pure Plays" underperformed, with Bloom Energy (-13.0%), Ballard Power Systems (-13.0%) and Plug Power (-12.6%) the worst 3 performers. While remaining underweight on this segment compared to benchmark, we increased the exposure to "Pure Plays" at the Dec22 committee (+4pts) to take into account the more favorable valuation set-up and stabilization in relative trend.

## **Key Information**

#### Structure

Open-end actively managed certificate (SSPA category: Tracker certificate, 1300)

**Issuer** Zürcher Kantonalbank, Zurich (S&P AAA)

Investment Manager Rothschild & Co Bank AG, Zurich

Asset class Equities

Portfolio management strategy Active

ISIN On request

Currency USD

Inception date 15-Jun-2021

Dividend policy Net dividend reinvested

Liquidity Daily

<sup>1</sup> Risk and return data is calculated net of fees. Past performance is not a reliable indicator or guarantee of future performance.



## Market update

The European Commission published the final version of a Delegated Act setting out the rules that hydrogen producers must abide by to be able to label their product as renewable and count towards EU hydrogen and renewable targets.

According to Bloomberg, it designates "renewable hydrogen" as made with electricity from new renewable power plants – a principle called "additionality". Moreover, production will need to be matched in space and time – "geographical and temporal correlation" – to renewable energy generation, although exceptions apply until 2028 to 2030.

Projects not meeting these criteria are less likely to be eligible for subsidies. They can still be considered "low carbon" but will not count toward EU renewable energy targets.

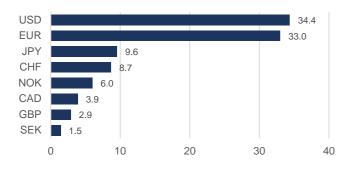
The new rules include a transitional period to soothe industry concerns. Electrolyzers operational before 2028 can use electricity from existing solar or wind capacity until 2038. They can also meet the "temporal correlation" criteria on a monthly, rather than hourly, basis until 2030.

The European Parliament and energy ministers have two to four months to review this rulebook. These bodies can only accept or reject the regulation but not change its content.

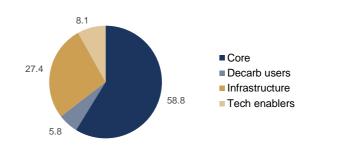
## Portfolio rebalancing

No change.

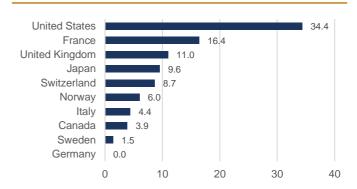
## **Currency allocation (%)**



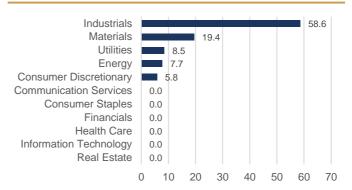
#### H2 "bucket" allocation (%)



#### Country allocation (%)



## Sector allocation (%)



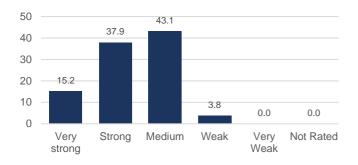
# Top 10 holdings

Rank	Company name	Country	Sector	H2 "bucket"	Weight
1	Linde PLC	United Kingdom	Materials	Core	8.1%
2	Air Liquide SA	France	Materials	Core	7.6%
3	ABB AG	Switzerland	Industrials	Core	7.4%
4	Bloom Energy Corp	United States	Industrials	Core	6.7%
5	IDEX Corp	United States	Industrials	Infrastructure	6.2%
6	Toyota Motor Corp	Japan	Consumer Discretionary	Decarb users	5.8%
7	AECOM	United States	Industrials	Tech enablers	4.8%
8	SNAM S.p.A.	Italy	Utilities	Infrastructure	4.4%
9	Emerson Electric Co	United States	Industrials	Infrastructure	4.3%
10	Iberdrola SA	Spain	Utilities	Infrastructure	4.1%

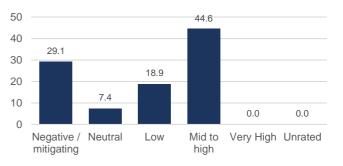
### **ESG** portfolio characteristics

Portfolio ESG track record	Strong	Portfolio carbon exposure	Low
Portfolio average rating	AA	Average CO <sub>2</sub> sales intensity	406.1

## ESG – Position distribution (%)



#### Carbon – Position distribution (%)



#### Largest positions

Company name	Weight	ESG track record	MSCI ESG rating	Carbon exposure risk	CO <sub>2</sub> sales intensity
Linde PLC	8.1%	Medium	A	Mid to high	1225.4
Air Liquide SA	7.6%	Medium	А	Mid to high	1491.7
ABB Ltd	7.3%	Strong	AA	Neutral	14
BLOOM ENERGY CORP- A	6.8%	Medium	BBB	Negative / mitigating	190.3
IDEX Corp	6.3%	Strong	AA	Low	16.8
Toyota Motor Corp	5.9%	Medium	А	Mid to high	26.3
AECOM	4.8%	Strong	AA	Negative / mitigating	5.5
Snam SpA	4.4%	Strong	AA	Mid to high	380.9
Emerson Electric Co	4.4%	Medium	A	Mid to high	43.9
Iberdrola SA	4.1%	Very Strong	AAA	Low	344.3

#### Remarks

• The ESG track record and the MSCI ESG Rating measure how well a company performs on environmental, social and governance issues compared to other companies (peers) in the same industry. The importance of the 3 different factors varies by industry. Companies with a below average ESG track record / MSCI ESG Rating are considered riskier since they are more likely to be impacted by factors such as controversies, new social and environmental regulations, bad reputation, litigation risk, poorly motivated work force and financial mis-management.

• The Carbon Exposure Risk measures the probability and severity that a company is negatively impacted by climate change. Climate change exposure can be physical, for example through extreme heat or flooding, policy related, for example through the introduction of a carbon tax, or technological, for example through competitors developing greener products. The risk is a function of the company's exposure to climate change and of how well the company is managing that exposure.

• The CO2e Sales Intensity measures how much CO2 equivalents are emitted by a company per USD 1 million sales in the most recent reporting year as reported by MSCI ESG Research. The emissions are direct emissions generated by sources owned or controlled by the company and those from the generation of purchased energy.

• The ESG distributions in the charts exclude money market and derivative positions such as foreign currency forwards.

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