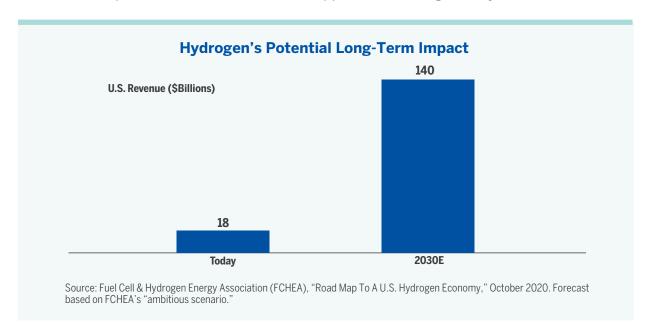
## Alger On the Money

## The Cleanest Energy?

Electric vehicles convert energy to motion three times more efficiently than internal combustion engines do with gasoline. However, charging them requires energy generation that usually emits carbon. But it's possible we may be able to use hydrogen as a net zero emission fuel for transportation and industrial applications. Over the long term, hydrogen could help reduce carbon emissions and produce attractive investment opportunities along the way.



- Hydrogen has tremendous potential as a clean fuel. The Fuel Cell & Hydrogen Association
  estimates that the industry's revenue could rise to \$140B by 2030, multiples of the current
  level. Additionally, by 2050 that estimate is \$750B, accounting for 3.4 million jobs and 14% of
  final energy demand.
- But what is hydrogen? It isn't a source of energy so much as an energy carrier like electricity. It is used in industrial applications but has huge potential in transportation. Currently, it is mainly produced from natural gas as so-called gray hydrogen. As a fuel source for trucks and buses, it eliminates tailpipe emissions and significantly reduces overall greenhouse gas pollution as compared to diesel or gasoline. So-called blue hydrogen, which captures carbon from traditional energy production, and green hydrogen, which is produced from wind or solar using electrolysis, can be net zero emission fuels.
- As the global investment in hydrogen increases by the day, there are more and more industry participants for investors to evaluate, from hydrogen suppliers to electrolyzer manufacturers to fuel cell manufacturers. We believe one interesting supplier is Air Products, which strives to capitalize on the hydrogen opportunity and has been a leader in hydrogen for quite some time.





The following positions represented the noted percentages of assets managed by Fred Alger Management, LLC as of December 31, 2020: Air Products & Chemicals, Inc., 0.3%.

The views expressed are the views of Alger Management, Ltd. as of January 2021. These views are subject to change at any time and may not represent the views of all portfolio management teams. These views should not be interpreted as a guarantee of the future performance of the markets, any security or any funds managed. These views are not meant to provide investment advice and should not be considered a recommendation to purchase or sell securities.

Important Disclosures: This document is directed at investment professionals and qualified investors (as defined by MiFID/FCA regulations). It is for information purposes only and has been prepared and is made available for the benefit of investors. This document does not constitute an offer or solicitation to any person in any jurisdiction in which it is not authorised or permitted, or to anyone who would be an unlawful recipient, and is only intended for use by original recipients and addressees. The original recipient is solely responsible for any actions in further distributing this document and should be satisfied in doing so that there is no breach of local legislation or regulation. This document is not for distribution in the United States.

Data, models and other statistics are sourced from our own records, unless otherwise stated herein. We caution that the value of investments in discretionary accounts, and the income derived, may fluctuate and it is possible that an investor may incur losses, including a loss of the principal invested. Investors should ensure that they fully understand the risks associated with investing and should consider their own investment objectives and risk tolerance levels. **Past performance** is **not indicative of future performance**. Investors whose reference currency differs from that in which the underlying assets are invested may be subject to exchange rate movements that alter the value of their investments.

Certain products may be subject to restrictions with regard to certain persons or in certain countries under national regulations applicable to such persons or countries. NOTABLY, THIS MATERIAL IS EXCLUSIVELY INTENDED FOR PERSONS WHO ARE NOT U.S. PERSONS, AS SUCH TERM IS DEFINED IN REGULATIONS OF THE U.S. SECURITIES ACT OF 1933, AS AMENDED (THE SECURITIES ACT) AND WHO ARE NOT PHYSICALLY PRESENT IN THE UNITED STATES.

All information regarding firm history, biographies, and FAM and Weatherbie Capital, LLC performance are maintained by FAM. Alger uses The Global Industry Classification Standard (GICS®) for categorizing companies into sectors and industries. GICS is designed to meet the needs of the investment community for a classification system that reflects a company's primary business model as determined by its financial performance. FactSet is an independent source, which Alger believes to be a reliable source. FAM, however, makes no representation that it is complete or accurate.

**Risk Disclosure: Investing in the stock market involves risks, including the potential loss of principal.** Growth stocks may be more volatile than other stocks as their prices tend to be higher in relation to their companies' earnings and may be more sensitive to market, political, and economic developments. Technology companies may be significantly affected by competition, innovation, regulation, and product obsolescence, and may be more volatile than the securities of other companies.

Important Information for All Investors: Alger Management, Ltd. (company house number 8634056, domiciled at 78 Brook Street, London W1K 5EF, UK) is authorised and regulated by the Financial Conduct Authority, for the distribution of regulated financial products and services. Fred Alger Management, LtC ("FAM") and/or Weatherbie Capital, LLC, U.S. registered investment advisors, serve as sub-portfolio manager to financial products distributed by Alger Management, Ltd.

Alger Group Holdings, LLC (parent company of FAM and Alger Management, Ltd.), is not an authorized person for the purposes of the Financial Services and Markets Act 2000 of the United Kingdom ("FSMA") and this material has not been approved by an authorized person for the purposes of Section 21(2)(b) of the FSMA.

Important information for Investors in Israel: This material is provided in Israel only to investors of the type listed in the first schedule of the Securities Law, 1968 (the "Securities Law") and the Regulation of Investment Advice, Investment Marketing and Investment Portfolio Management Law, 1995. The Fund units will not be sold to investors who are not of the type listed in the first schedule of the Securities Law.