



**Investing in the
innovators and disruptors
behind green solutions.**

CLMA

iClima Global Decarbonisation
Enablers UCITS ETF

DGEN

iClima Smart Energy UCITS
ETF

Article 9 ETFs

April 2022

— Investment Thesis: Our Biggest Problem as the Largest Investment Opportunity

A seismic shift is taking hold. Regulatory, consumer and macro forces are converging on green solutions to reduce CO2e on planet Earth.

At iClima Earth, we believe a paradigm shift is necessary, too. Our goal is to find the companies that preclude emissions from ever taking place. These climate champions that deliver impactful solutions, measured by the greenhouse gas emissions avoidance potential of their products and services.



iClima Earth's Paradigm Shift

CO2e Emission
Reduction



CO2e Emission
Avoidance

Why CO2e vs CO2?

Greenhouse gases include CO2, methane, nitrous oxide and fluorinated gases. By converting all greenhouse gases to carbon dioxide equivalents, or CO2e, the total impact of all greenhouse gases can be measured.

What is Greenwashing?

Greenwashing is when an entity – through its advertising and marketing – claims to be environmentally friendly even though its actual practices belie that fact.

— Our Role: Shifting the Narrative

We believe our research and solutions make it easy for investors to make an impact on decarbonizing the planet without sacrificing investment performance.

iClima's exchange-traded funds invest in technology-forward innovators who are setting the trends in

- Decarbonisation of the planet (CLMA)
- Decentralisation of the power sector (DGEN)

iClima's metric for impact is potential avoided emissions.

CLMA

iClima Global Decarbonisation Enablers ETF

Exposure to publicly listed global companies with products and services that enable CO₂e avoidance.

DGEN

iClima Smart Energy ETF

Exposure to publicly listed global companies that have an active role in the ecosystem that allows green energy to be generated and stored near its usage.

— Secular Megatrend Benefiting From Multiple Tailwinds

Regulatory Developments

- Paris Agreement: **legal instrument to guide global action** on climate change with binding and non-binding provisions
- EU Green Deal: policies to **reduce CO2e emissions 55%** by 2030, with **1 trillion Euros** of financing available
- China: In Sep. 2020, **China pledged to be net-zero¹ by 2060**, requiring a doubling of its annual solar investments, quadrupling of its wind investments, and increased effort to develop green hydrogen, energy storage & offshore wind



Market Forces

- New installation **costs for renewable energy are cheaper** than options based on fossil fuel²
- **Plant-based food market** expected to reach **74.2bn by 2027**, a **11.9% CAGR increase** in seven years³
- **Electric vehicle sales rose 40%** in 2019 comprising 2% of all car sales⁴, and forecast to **comprise 32%** by 2030⁵
- Shared economy continues trend of increased adoption, with **ride sharing** becoming prevalent in many countries
- Technology adoption continues to deepen, with **greater “smart” energy efficiency products**



CO2e emissions

Additional Macro Trends

- By 2030, **women will own 55% of the world’s wealth**, with **greater focus on ESG / sustainable investments**⁶
- UK announced Task Force on **Climate-Related Financial Disclosures are mandatory**; others expected to follow⁷
- The EU Taxonomy tool that **sets thresholds for climate activities** was launched 07/20 to be applied within two years⁸



Source : Professor Guillen, M.: '2030: How Today's Biggest Trends Will Collide and Shape the Future of Everything,' published 2020

1. Net-zero refers to no annual CO2e emissions on a net basis

2. [IRENA Renewable Power Costs](#)

3. [Plant-based food market](#)

4. [IEA Global EV Outlook](#)

5. [Deloitte Future of Mobility](#)

6. Guillen, Mauro. 2030, how today's biggest trends will collide and reshape the future of everything

7. [Global Risk Regulator](#) and [UK Gov TCFD Taskforce Report](#)

8. [Europa Sustainable Finance Taxonomy Report](#)

DGEN

iClima Smart Energy ETF

**Smart energy is digital,
decentralized and it
decarbonizes. The only ETF
providing exposure to this
most exciting green energy
trend**

In 2020, about 60% of U.S. utility-scale electricity generation was produced from fossil fuels, 20% from nuclear energy and 20% from renewable energy sources.¹

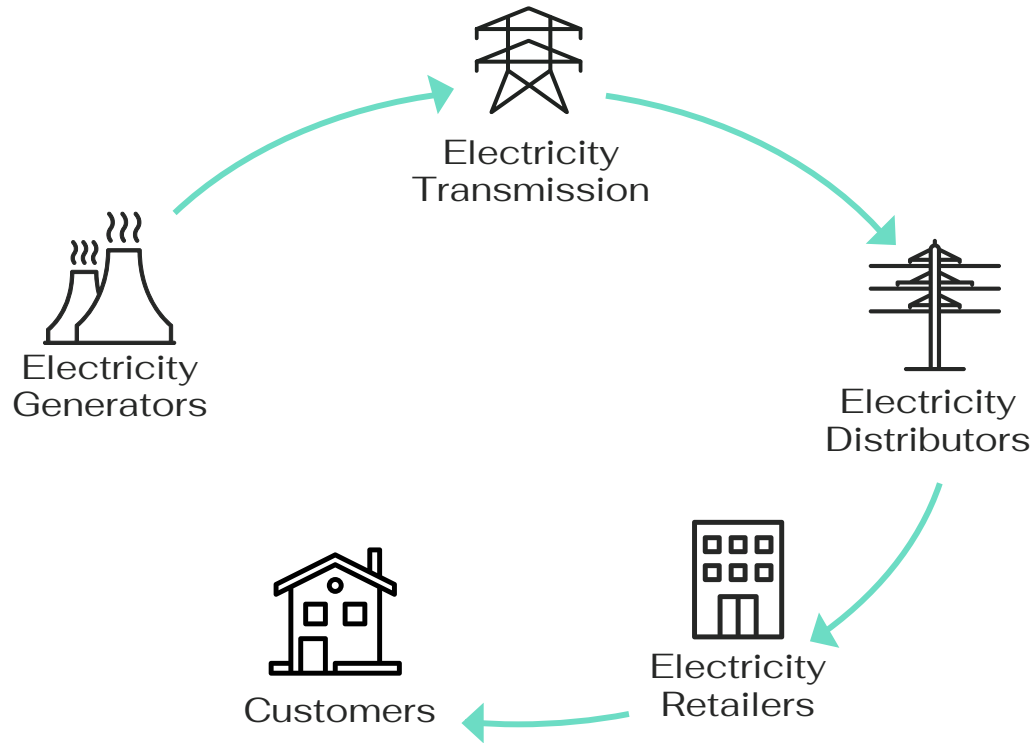
¹ Source: [Electricity in the U.S. - U.S. Energy Information Administration \(EIA\)](#)






The Smart Energy Disruption

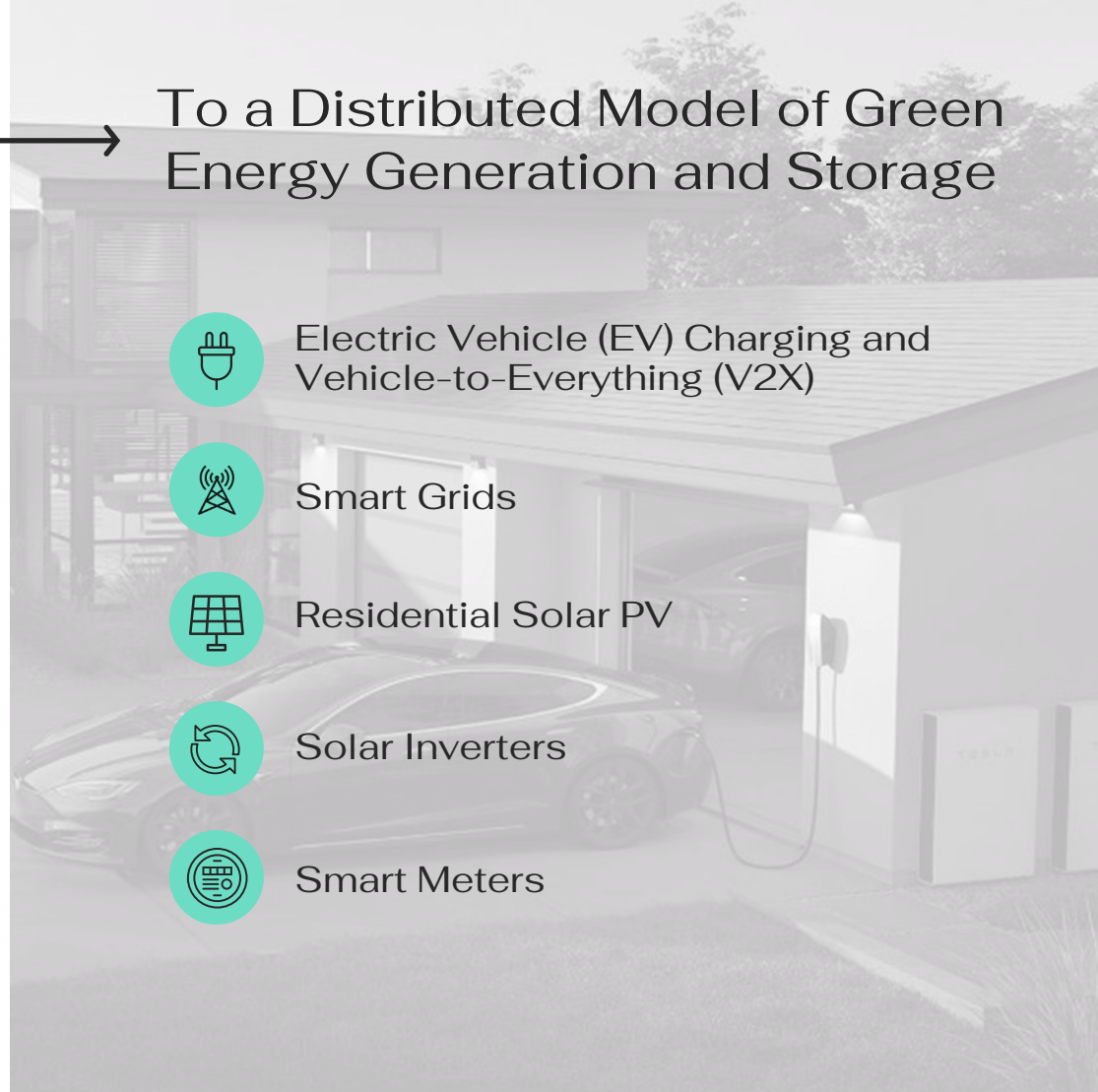
From a Centralized Fossil-Fuel Grid



To a Distributed Model of Green Energy Generation and Storage



-  Electric Vehicle (EV) Charging and Vehicle-to-Everything (V2X)
-  Smart Grids
-  Residential Solar PV
-  Solar Inverters
-  Smart Meters



— Distributed Renewable Energy

The rise of “ProSumers”: Producing electricity at point of consumption, for security of supply and cost control.

Represents the short-term solutions to the energy crisis: Predicated on smaller, renewable, distributed power sources combined with energy storage solutions, smart grids, measurement instruments and building energy management.

Encompassing converging decarbonizing technologies, including residential solar panels, energy storage, smart meters, vehicle-to-grid energy (V2G), electric vehicle charging, smart inverters, and software solutions that leverage artificial intelligence (AI) to manage the system.

Disrupting traditional energy systems, through

- increasing cost competitiveness from steady price reductions in solar and battery solutions compared to increasing traditional energy prices.
- greater efficiency, helping with load shifting, peak shaving and grid management.

Residential solar is poised to scale in the US, with the share of homes with solar forecast to grow from 4% to 13.4% by 2030.¹

Growth will also be fuelled by China, which is expected to account for over half of global installed capacity by the end of 2021.

Source:

1. [SEIA: Solar Market Insight Report 2020 Year in Review](#)

— Focus on Distributed Energy Companies in 7 Areas



Distributed Power Sources

Rooftop or ground mounted installations of solar PV, combined heat and power (CHP), micro CHP, microturbines, small wind power systems.



Distributed Energy Storage

Battery and fuel cells for energy storage, generation resources can include stationary batteries.



V2G and Charging Networks

EVs with V2G solutions. Charging networks. Net meters.



Virtual Power Plants

Aggregators of heterogeneous DER resources. Hardware or software. Key components, such as inverters.



Microgrids & Smart Grids

Multiple dispersed generation sources with ability to isolate such microgrids from larger networks. Solutions for voltage and frequency issues.



Smart Houses & Buildings, Energy Management

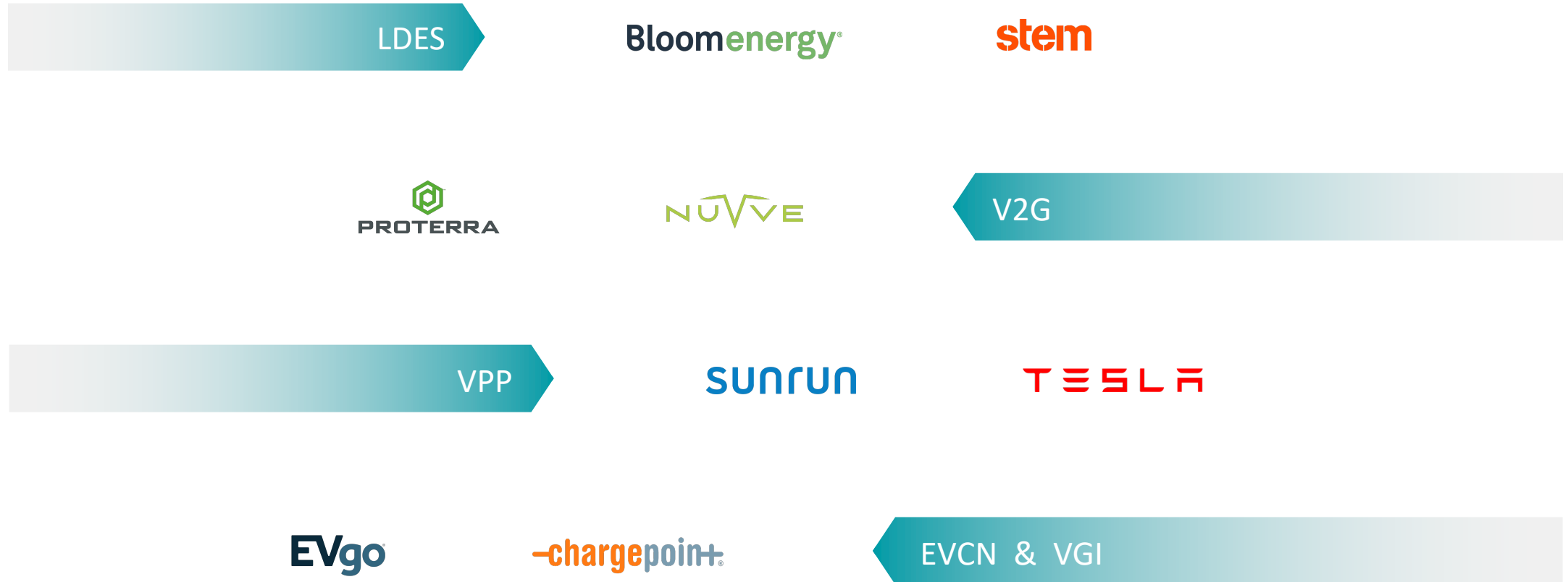
Smart appliances for net zero energy homes. Building heating and cooling optimization devices, smart thermostats, sensors & data collection.



Software & Systems

Blockchain as a service, demand response. Remote monitoring software. Advanced analytics. Advanced Distribution Management Systems (ADMS), Asset Performance Management (APM), and Distributed Energy Resource Management Systems (DERMS).

— The Only ETF Focusing on V2G, VPPs, Charging Network & Local Solar





Thank you

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