European Solar and Energy Storage Solutions

Seeo2 energy Croatia

Powered by European Solar and Energy Storage Solutions

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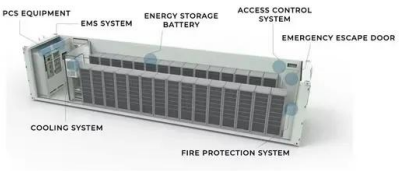
Viola Birss, PhD.

Tier 1 CRC (Fuel Cells and Related Clean Energy Systems) Director, CAESR-Tech (Calgary Advanced Energy Storage and Conversion Research Tecnhologies) Dr. Birss is a Professor of Chemistry and has been a Tier I Canada Research Chair in Fuel Cells and Related Energy Systems at the University of Calgary since 2004.

Most Innovative Energy Conversion Specialists

With most energy being generated from fossil fuels, the release of carbon dioxide (CO2) was seen as an inevitable side effect of producing enough energy to sustain the incredible, and rising, rate of human consumption. SeeO2 saw a future in which CO2 could be collected, broken down and used as part of a range of chemicals. SeeO2 Energy Inc



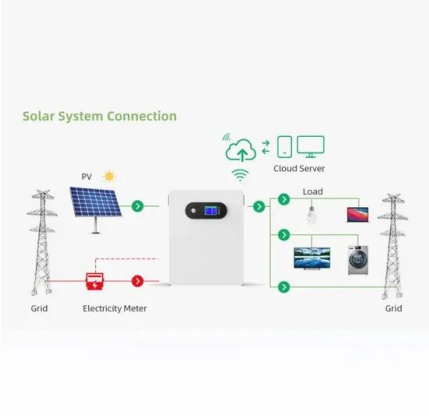
SeeO2 Energy Inc

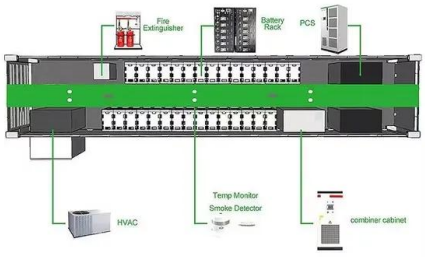
SeeO2 Energy creates symmetrical electrolysis cells based on proprietary electrocatalysts. Their transformative technology captures carbon emissions and economically converts CO2 into valuable chemical building blocks like CO, syngas, methane, and oxygen.

The Technology

However, the novel and stable electrocatalyst

developed by SeeO2, can be used in both the oxygen-rich environment of the oxygen electrode anode, producing oxygen, and at the CO 2 / steam environment of the cathode, producing H 2 and CO (syngas).





What We Do

SeeO2's platform technology provides 4 major solutions (1 stone for 4 birds) CO2 to fuels and chemicals -> a strategy for CO2 mitigation; Power to fuels -> means of energy storage especially for renewable energies (wind and solar) Fuels (CO, syngas, CH4) to power and heat-> off-grid customers, stabilize grid, energy efficiency

SeeO2 Energy

SeeO2 Energy has developed a high temperature electrolyzer that uses CO2 from an industrial company's waste stream and converts it into carbon monoxide, hydrogen, oxygen or syngas, all of which can be used downstream or sold for profit. HEADQUARTER. Calgary, Canada. LEARN ...

SeeO2 Energy Profile

We are developing an efficient and a high performance reversible solid oxide cells (RSOFCs). Our technology, which involves the use of a high-performance catalyst material, allows the electrochemical conversion of water to hydrogen, carbon dioxide (CO2) to carbon monoxide (CO), and CO2 and water to produce syngas, a mixture of CO and H2. The products

(syngas, H2 ...

PAUL ADDO, Co-founder and CEO, SeeO2 Energy

Paul Addo, co-founder of SeeO2 Energy, is developing a patented technology that converts GHG emissions at industrial facilities to fuels. The company's technology transforms carbon dioxide - a greenhouse gas - into useful industrial gases like carbon monoxide and syngas, which is used in plastic, chemical and metal processing.

SeeO2 Energy

SeeO2 Energy is converting carbon dioxide into marketable and clean value-added fuels and chemicals using reversible fuel technology. Its electrolyzers can efficiently generate gases on-site such as hydrogen, carbon monoxide, or oxygen in a reliable way.

Haris Ansari

Haris is a materials scientist and electrochemist with extensive research and development experience in synthesis and characterization of materials ranging from bulk materials and composites to advanced materials, such as, nanomaterials and metallic/ceramic thin films.

Kevin McGuinness

SeeO2 Energy Solutions; Our Team; Key Partners; News and Achievements; Gallery; Contact; Search; Search Submit. Kevin McGuinness Home » Technical Team » Kevin McGuinness. Research Scientist. Kevin graduated from Dalhousie University in 2021 with a BSc in Chemistry, minors in Computer Science and Mathematics, and a Certificate in Data

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