

European Solar Energy Storage

Oxeon energy Brunei



Oxeon energy Brunei



WiRE Newfoundland and Labrador Virtual Networking Meet-Up ...

We are thrilled Jessica Elwell will be presenting at the WiRE (Women in Renewable Energy) Newfoundland and Labrador Virtual Networking Meet-UP. Check out the link for more info! Frost collaborated with his OxEon Energy co-founders, Dr. S. Elango Elangovan and Joseph Hartvigsen, on projects involving solid oxide on and off for three decades.

Oxygen and Fuels from In-Situ Resources on Mars

Customer: NASA, NextSTEP-2 ISRU Technology: Solid Oxide Electrolysis Cells (SOEC), and Methane Synthesis Reactor [column cols="6" begin="1"]The NASA NextSTEP program is a continuation and expansion of the work OxEon has completed in association with JPL and MIT for the Mars 2020 mission, Project MOXIE (Mars OXygen In-situ resource utilization Experiment).

...



Hydrogen @ Scale in Utah , OxEon Energy , Beyond Current

...

We are excited to have attended the Hydrogen @ Scale in Utah event hosted by Lancer Energy and the Utah Clean Cities Coalition at the beautiful Utah State Capitol earlier this week. Demonstrations are the key to our path forward in #hydrogen. Frost collaborated with his OxEon

Energy co-founders, Dr. S. Elango Elangovan and Joseph Hartvigsen

DOE's National Energy Technology Laboratory Project

We are beginning work on a new project funded by the U.S. Department of Energy (DOE)'s National Energy Technology Laboratory developing stable #solidoxide #eleetrolysis cells for low-cost #hydrogen production with our partners at the Pacific Northwest National Laboratory. Frost collaborated with his OxEon Energy co-founders, Dr. S. Elango



DOE Announces \$20 Million to Produce Clean Hydrogen from Nuclear Power

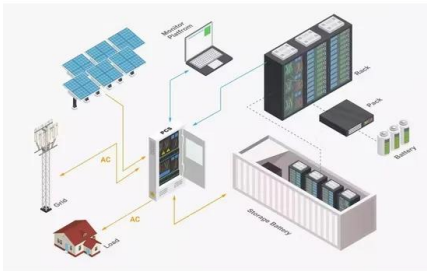
OxEon Energy focuses on alternative energy storage, synthetic fuels, and high purity gas production through its expertise in Solid Oxide Fuel Cells (SOFC), Solid Oxide Electrolysis Cells (SOEC), Plasma Reforming, and Fischer Tropsch (FT) technologies.

Solutions , OxEon Energy , Beyond Current Potential

OxEon Energy has a history of applying its core capabilities to provide unique and effective solutions to solve a customer's energy related problems and provide products that are cost effective for the energy space.



Solid Oxide Fuel Cells (SOFC) , OxEon Energy , Beyond Current



...

OxEon Energy's planar Solid Oxide Fuel Cell (SOFC) technology is the result of several decades of development. It uses low cost manufacturing and demonstrated stable operation to provide cost effective generation of heat and electricity.

Legal Conditions , OxEon Energy , Beyond Current Potential

This "Site" is owned and operated by OxEon Energy (referred to as "OxEon," "we," "us," or "our" herein). Subject to the terms and conditions set forth herein, information ("Materials") from oxeonenergy may not be copied, reproduced, republished, modified, uploaded, posted, transmitted, or distributed in any way, except as set forth below.



5 kW SOEC Stack Module for INL

Customer: Idaho National Laboratory (INL)
 Technology: Solid Oxide Electrolysis Cells (SOEC)
 OxEon supplied a 5 kW SOEC stack module that in May of 2019 produced the first hydrogen in the INL High 25 kW Temperature Steam ...



Liquid Propellants for LH2/LOx-Fueled Cislunar Transport

Customer: NASA Tipping Points Technology: Solid Oxide Electrolysis [column cols="6" begin="1"]OxEon Energy and the Colorado School of Mines (Mines) have teamed to

integrate OxEon's high-temperature solid-oxide electrolysis (SOXE) stack technology with a balance-of-plant system that processes recovered lunar ice and separates product H₂ and O₂ that can ...



Women in Renewable Energy (WiRE) Meetup and Speaker Series

We are honored to support Women in Renewable Energy (WiRE) with a keynote presentation by our Director of Product Development, Jessica A. Elwell, overviewing our exciting work in non fossil-based fuel production for space exploration and the advancement of these technologies for terrestrial applications.

Redox Tolerant Cathode SOECs SBIR

OXEON ENERGY WINS \$36 MILLION IN HYDROGEN FUNDING FROM US DEPARTMENT OF ENERGY. Mar 14, 2024. X00945765.jpg. 18 Months of MOXIE (Mars oxygen ISRU experiment) operations on the surface of Mars - Preparing for human Mars exploration. May 19, 2023. Utah is the place to set up shop!



Solid Oxide Fuel Stack in eVTOL Applications

OxEon Energy is investigating the use of a solid oxide fuel cell stack as the power generation device for eVTOL applications. SOFCs are high

efficiency devices that can utilize various fuels.
 As the fuels are stored separate from the fuel cell
 ...



Leadership , OxEon Energy , Beyond Current Potential

MEET THE OXEON TEAM. The OxEon Energy team has more than 30 years of experience in solid oxide fuel cell (SOFC/SOEC) development and a diverse background in chemical engineering, materials science, chemistry, mechanical engineering, and skilled technicians.



Interplanetary First!: Utah company's device extracts

Utah's OxEon Energy created the device that makes the process work. A mini-factory that converts carbon dioxide on Mars into oxygen. They call it Soxe. For the first time in human history, oxygen has been extracted on another planet. Utah's OxEon Energy created the device that makes the process work.

Solid Oxide Electrolysis Cells (SOEC)

OxEon Energy's Solid Oxide Electrolysis Cell (SOEC) technology can be used to either electrolyze water (steam) into H₂ and O₂ or the combination of steam and CO₂ into synthesis gas (CO, H₂) and O₂. The operation of OxEon's SOEC has been validated by NASA and Idaho National

Laboratory.



- LIQUID/AIR COOLING
- INTELLIGENT INTEGRATION
- PROTECTION IP54/IP55
- BATTERY /6000 CYCLES



News , OxEon Energy , Beyond Current Potential

OxEon Energy is thrilled to announce a game-changing development: securing funding from the US Department of Read More .
 X00945765.jpg. 19 May 2023. 18 Months of MOXIE (Mars oxygen ISRU experiment) operations on the surface of Mars - Preparing for human Mars exploration Read More .

DOE Announces \$20 Million to Produce Clean ...

OxEon is partnering with PNW Hydrogen LLC, Idaho National Laboratory, the National Energy Technology Laboratory, National Renewable Energy Laboratory, the Electric Power Research Institute (EPRI), Arizona State University, UC ...



OXEON ENERGY WINS \$36 MILLION IN HYDROGEN FUNDING ...

OxEon Energy is committed to upholding top-tier efficiencies and product reliability throughout this endeavor. Project Highlights: Automation Evolution: OxEon Energy will leverage cutting-edge automation technologies to transform key



processes, driving down labor costs and increasing throughput. The automated equipment will be tailor-made for a

Contact Us , OxEon Energy , Beyond Current Potential

OxEon Energy's solid oxide fuel cell systems are capable of providing storage solutions for the renewable energy market and beyond. Let OxEon design a solution for your energy application requirements. OxEon Energy, LLC
 257 River Bend Way, Suite 300 North Salt Lake, Utah 84054 .



- TELECOM CABINET
- BRAND NEW ORIGINAL
- HIGH-EFFICIENCY

Projects , OxEon Energy , Beyond Current Potential

OxEon Projects focused on disruption to energy markets by establishing revolutionary energy conversion and storage pathways. Partnered with NASA, DOE, DOD, INL, MIT, Colorado School of Mines and private sectors.

Liquid Hydrocarbon Fuels From Methane and CO2

Customer: US Department of Energy Technology: Plasma Reforming, Solid Oxide Electrolysis, Fischer-Tropsch Synthesis [column cols="6" begin="1"]OxEon Energy and Environmental Products & Technologies Corporation (EPT) will conduct an engineering-scale demonstration,

producing liquid hydrocarbon fuels using both the methane and CO2 generated in EPT's food ...

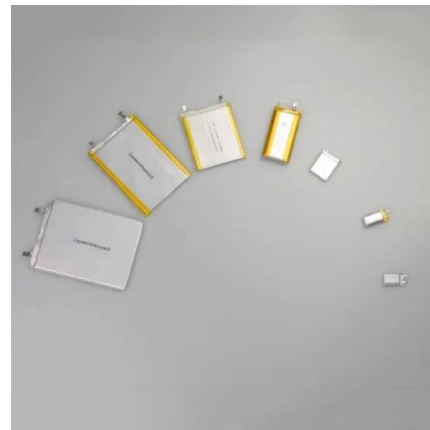


Oxygen and Fuels from In-Situ Resources on Mars

Customer: NASA, NextSTEP-2 ISRU Technology: Solid Oxide Electrolysis Cells (SOEC), and Methane Synthesis Reactor [column cols="6" begin="1"]The NASA NextSTEP program is a continuation and expansion of the work OxEon has ...

Solutions , OxEon Energy , Beyond Current Potential

Solutions for energy or resource related challenges. OxEon engineers have the acumen and experience to interpret needs and apply the best individualized ...



MOXIE Program , OxEon Energy , Beyond Current Potential

OxEon provided the electrolysis stack for the Mars OXYgen In-situ resource Experiment (MOXIE) resulting in the world's first Solid Oxide Electrolysis Cell (SOEC) to demonstrate the production and storage of oxygen from a simulated Martian atmosphere. It will ...

MOXIE Program , OxEon Energy , Beyond Current ...

OxEon provided the electrolysis stack for the Mars OXYgen In-situ resource Experiment (MOXIE) resulting in the world's first Solid Oxide Electrolysis Cell (SOEC) to demonstrate the production and storage of oxygen from a ...



Company Overview , OxEon Energy , Beyond Current Potential

OxEon Energy specializes in complementary energy technologies to connect processing of hydrocarbon gas and liquid energy sectors. The OxEon team leverages decades of innovation in plasma reformers and Fisher Tropsch (FT) reactors to meet and exceed customers needs. OxEon's expertise in gas reforming and gas to liquid technologies will play

Hydrogen at pressure , OxEon Energy , Beyond Current Potential

OxEon, with NETL support, operated a solid oxide electrolysis cell that produced hydrogen at elevated pressure of 2 to 3 bar. This project was also designed to address common challenges faced by the SOEC industry by implementing process modifications and cell component modifications to demonstrate improved cell performance and stability, redox tolerance of the ...



[Fischer Tropsch \(FT\) Reactor](#)



OxEon Energy's Fischer Tropsch (FT) technology is a proprietary design that is designed for low capital cost and reduced operating costs. The OxEon FT reactor is modular in nature and designed to be road transportable for use in remote ...

Large Scale Validation of Reversible Fuel Cell

OxEon and Idaho National Laboratory's project is to advance reversible solid oxide fuel cell technology producing clean, stable, and reliable energy from industrial waste heat, concentrated solar energy, or fuel cell thermal energy.

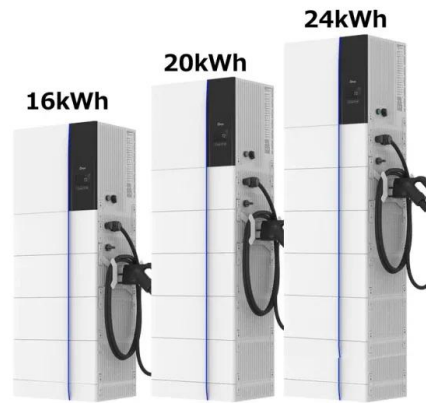


Microgrid Application of a Reversible Solid Oxide Cell System

OxEon has entered into an agreement with a private farm to field test a reversible solid oxide cell system to generate and store hydrogen using renewable energy during daytime and use the hydrogen during night to generate electricity.

Mars: Utah company has the M.O.X.I.E. to manufacture on

Utah's OxEon Energy has helped make it very real. The experiment is called MOXIE (Mars Oxygen In-Situ Resource Utilization experiment). It is part of the Perseverance Rover mission. See on ABC4 News . Mars Rover, Mars, Perseverance, carbon dioxide, oxygen, MOXIE, NASA. Share This Post .



Contact Us

For catalog requests, pricing, or partnerships, please visit:
<https://bialydom.kolobrzeg.pl>