

## European Solar Energy Storage

# Oxeon energy Spain



## Overview

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What is Oxeon energy?

OxEon Energy's technology suite enables energy storage solutions capable of breaking long accepted limitations in the renewable energy market. Our focus on component and systems development establishes revolutionary and accessible pathways to bring the implementation of renewable energy Beyond Current Potential. <sup>TM</sup>.

What services does Oxeon energy offer?

It offers plasma reformers, fischer-tropsch reactors, solid oxide fuel, and solid oxide electrolysis cells. The company also provides system design and engineering support, gas reforming, and advanced materials development services. OxEon Energy has 5 employees at their 1 location and \$4.86 m in total funding.

Where is Oxeon Energy headquartered?

OxEon Energy is headquartered in North Salt Lake, UT. What industry is OxEon Energy in?

OxEon Energy's primary industry is Energy Production. Is OxEon Energy a private or public company?

OxEon Energy is a Private company. What is OxEon Energy's current revenue?

The current revenue for OxEon Energy is 000000. Who are OxEon Energy's investors?

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How many employees does Oxeon energy have?

The company also provides system design and engineering support, gas

reforming, and advanced materials development services. OxEon Energy has 5 employees at their 1 location and \$4.86 m in total funding. See insights on OxEon Energy including office locations, competitors, revenue, financials, executives, subsidiaries and more at Craft.

What can Oxeon do for You?

This development history has led to a ruggedized, hermetic stack design that will be capable of utilizing electricity for the production of high purity oxygen, hydrogen, or syngas. The OxEon design will enable energy storage solutions capable of addressing the many challenges facing the integration of renewable energy sources.

What makes Oxeon an excellent company?

Oxeon is an excellent company because their engineers have the acumen and experience to interpret needs and apply the best individualized solution for customers' energy or resource related challenges. The Oxeon team takes pride in the innovative technological approaches they have provided to their customers.

## Oxeon energy Spain

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### Visit from the Utah Office of Energy Development , OxEon Energy

As director of alternate fuels and energy systems at the Idaho National Laboratory, 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.

### News , OxEon Energy , Beyond Current Potential

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.



### 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



## OxEon Energy , Details , Darcy Partners

OxEon Energy technology suite seeks to enable energy storage solutions capable of breaking long accepted limitations in the renewable energy market. Their focus on component and systems development establishes novel and accessible ...



## 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.



## Field Testing of a DAC to Fuels Prototype

OxEon and Global Thermostat, a pioneering company in Direct Air Capture (DAC) technology, will partner to conduct a field demonstration of liquid fuel production using CO<sub>2</sub> extracted from ambient air. By utilizing CO<sub>2</sub> captured from the



air through DAC technology, Global Thermostat offers a renewable and dependable carbon feedstock to power OxEon's Fischer Tropsch (FT) ...

## 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!



## **Senior Accountant , OxEon Energy , Beyond Current Potential**

OxEon Energy is a growing startup company that provides technical solutions for the toughest problems facing us both on Earth and far beyond. OxEon employees are empowered and flexible, developing technologies that provide answers for reducing fossil fuel dependence, destroying dangerous chemicals, and providing oxygen and rocket propellant for

## **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 ...



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

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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.



## 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.

## 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.



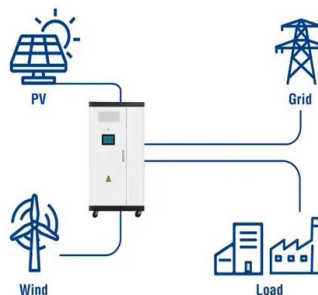
## Hydrogen @ Scale in Utah , OxEon Energy , Beyond ...

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 ...

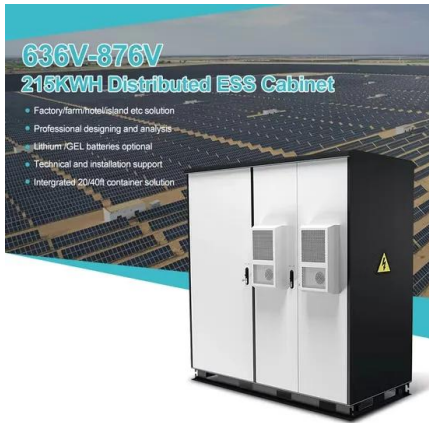
## Hydrogen at pressure , OxEon Energy , Beyond Current Potential

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

### Utility-Scale ESS solutions



modifications to demonstrate improved cell performance and stability, redox tolerance of the ...



## 17th Carbon Dioxide Utilization Summit

Will you be at the 17th Carbon Dioxide Utilisation Summit in Brussels this week? If so, please come hear our talk on Thursday, October 28 at 14:10. OxEon Energy will be presenting "Oxygen for Propulsion from Mars Atmosphere CO2!: The Successful Application and Scaling of Solid Oxide Electrolysis for ISRU Fuel Production."

## OxEon Energy

OxEon Energy has worked with NASA and the Jet Propulsion Laboratory in the successful development of an SOEC stack destined for oxygen production aboard the Mars 2020 Rover.



## Oxygen and Fuels from In-Situ Resources on Mars

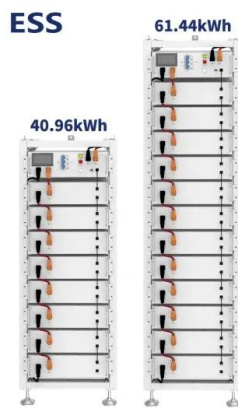
Customer: NASA, NextSTEP-2 ISRU Technology: Solid Oxide Electrolysis Cells (SOEC), and Methane Synthesis Reactor [column cols="6" begin="1"]The NASA NextSTEP program is a continuation and expansion of the work OxEon has completed in association with JPL and MIT for the Mars 2020 mission, Project MOXIE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

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## 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.

**LFP12V100**



## 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

## 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 .



## Liquid Propellants for LH2/LOx-Fueled Cislunar Transport

Customer: NASA Tipping Points Technology: Solid Oxide Electrolysis [column cols="6"]



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 H<sub>2</sub> and O<sub>2</sub> that can ...

## 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 device, the ...



## Solid Oxide Electrolysis Cells (SOEC)

OxEon Energy's Solid Oxide Electrolysis Cell (SOEC) technology can be used to either electrolyze water (steam) into H<sub>2</sub> and O<sub>2</sub> or the combination of steam and CO<sub>2</sub> into synthesis gas (CO, H<sub>2</sub>) and O<sub>2</sub>. The operation of OxEon's SOEC has been validated by NASA and Idaho National Laboratory.

## Liquid Hydrocarbon Fuels From Methane and CO<sub>2</sub>

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 ...



## 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, ...

## 30 Years in the Making! , OxEon Energy , Beyond Current Potential

An important and fun day at OxEon Energy celebrating the 30 year anniversary of the beginning of collaboration between our two founders, S. "Elango" Elangovan and Joseph Hartvigsen. OxEon may be turning 4 soon, but this development effort has been long underway. A "trid," if you will



## OxEon Energy

OxEon Energy is a cleantech company that provides energy storage solutions for the commercial and government sectors. It develops solid oxide fuel and electrolysis cells, non-thermal gliding ...



## 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.



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