

Disclaimer

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*All figures expressed in metric units, unless otherwise specified.



Today's Presenters



Co-Founder, President and CEO Charles Gassenheimer

- Co-Founder and President of Omnis Energy
- Co-Founder and President of Carnegie Hudson Resources
- Former Chairman and CEO of Ener1, a publicly listed lithium-ion battery company
- Former CEO of a family office with approximately \$5 billion under management
- Served on numerous boards including as Chairman of electric vehicle maker Think Global (Oslo, Norway) as well as a board member of the Electric Drive Transport Association (EDTA), the Electrification Coalition, and the Richard G. Lugar Center for Renewable Energy
- Former Partner and Managing Director of Satellite Asset Management, a \$9 billion hedge fund



Chuck Shaynak

- Worked for CONSOL Energy for over forty years in numerous Operating and Executive Management roles, serving as Senior Vice President for his final ten years.

 Participated in or managed fourteen different coal operations with CONSOL

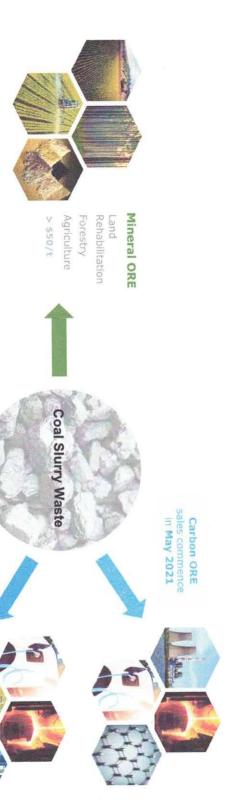
 Former member of the Pennsylvania Board of Coal Mine Safety

 BS graduate in Mining Engineering from Pennsylvania State University

Omnis Energy Provides a Permanent Solution Coal Waste Is a Multi Billion-Dollar Environmental Liability;

The Problem: There are billions of tonnes of historical waste from coal mining and 70-90 million tonnes of waste are added annually. It is an international environmental challenge that represents tens of billions of dollars of reclamation liabilities held by states and businesses.

The Solution: The Omnis Energy Technology Modules heal the environment by turning waste streams into a variety of value-added products.



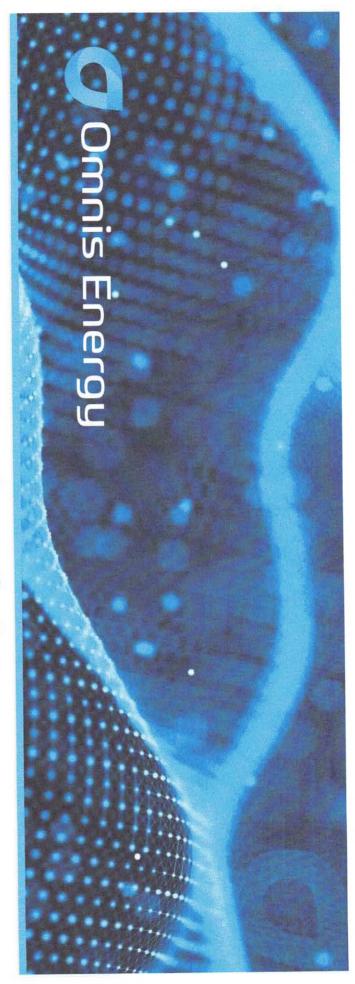
Carbon ORE

Steel Making
Power Generation
Specialty Carbon
Applications
Approx. \$50/t
Carbon ORE
Graphite Precursor

> \$500/t Hydrogen ORE

Fuel Cells
Fertilizers
Heat Treatment
Metallurgical
Applications

> \$0.50/kg



High-Value Products Refines Environmental Waste into A Revolutionary Technology that

Remediating the Largest Environmental Liabilities in North America

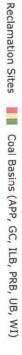
U.S. Abandoned Coal Mines and Refuse Impoundments

Coal Waste Remediation

- In Pennsylvania alone, it is estimated that there are over **\$8 billion** in unfunded or underfunded mining-related environmental liabilities affecting over **287,000 acres**
- Much of the liability consists of abandoned coal refuse from coal processing operations, some of which contain high levels of sulfur that can produce acid mine drainage for decades
- Untreated coal waste impoundments are environmental hazards that permanently eradicate natural habitats
- Omnis Energy's modules can completely remediate these environmental hazards, refining waste into high-value products to support the green economy and restoring sites to their natural habitats

PRB designate these environmental

IW



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APP

Current OMNIS Location

Uniqueness of Omnis Energy's Technology

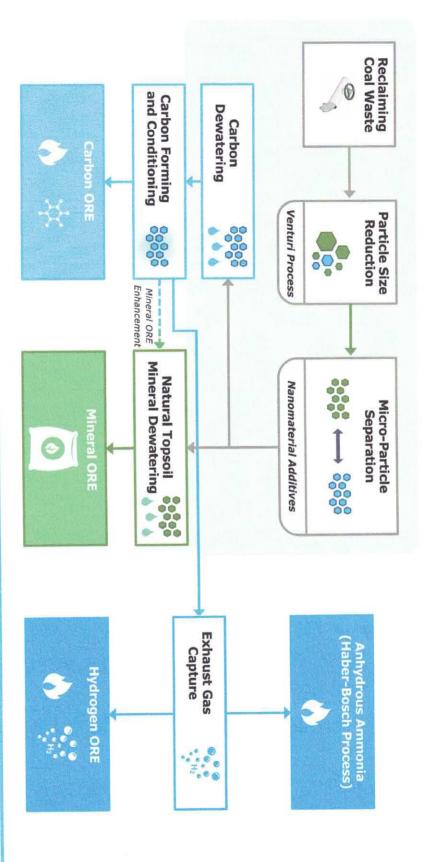
- Omnis Energy uniquely converts coal waste to non-coal products
- IRS letter ruled that Carbon ORE is physically and chemically different than coal [OMNIS final product]
- As a result, Omnis Energy has the potential to be designated as a **special** reclamation agent for each state



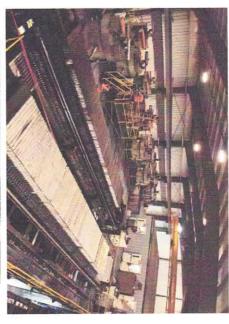
Remediates a significant environmental burden while developing high-potential clean energy products



The Omnis Regenerative Energy (ORE) Process

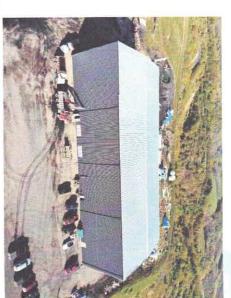


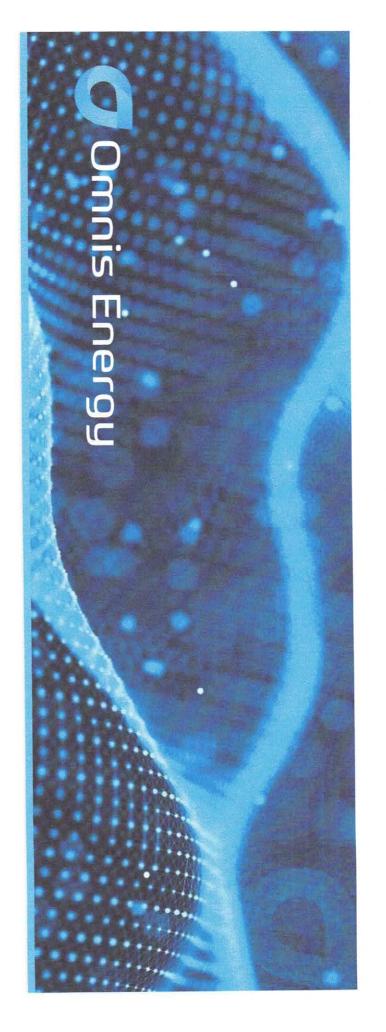
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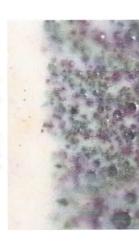




Clean High-Value Energy and Agricultural Products

Carbon ORE – Lab Tested & Proven

Coal does not float...



... Carbon ORE does

The U.S. Government has defined Omnis Energy's Carbon ORE as "not coal" (1)

- The purity of Carbon ORE makes it an coal in power generation and other Carbon ORE is a cleaner substitute for industrial applications
- ideal feedstock for high-purity carbon production(2)
- material that would otherwise be wasted A pure source of energy derived from
- Lower emissions with the best energy sources environmental footprint of any comparative
- Energy dense greater efficiency and less energy required

Coal does not conduct electricity...



... Carbon ORE does

Comparison Between Carbon ORE and Coal

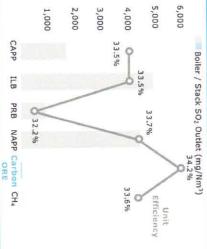
AR = As Received, DB = Dry Basis, GAR = Gross As Received.	Heating Value	Sulfur	Fixed Carbon	Volatile Matter	Ash	Total Moisture	Parameter
	Btu/lb GAR	% DB	% DB	% DB	% DB	% AR	Basis
	>13,500	<0.5%	>85%	<10%	<5%	<2%	ORE
	6,600- 11,500	0.3-2.4%	34-52%	31-37%	5-9%	6-30%	Coal

Coal does not burn clean...



... Carbon ORE does

Higher Efficiency in Sub-Critical Power Theoretical Emissions Reductions and





Carbon ORE - Graphite Precursor Opportunities

Graphite Market

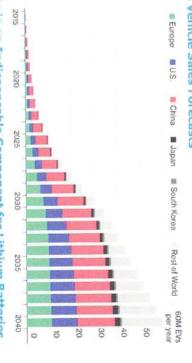
- Graphite is used in lithium-ion battery production, lubricants, solar panels and electrodes
- Graphite market size in 2019 was \$19 billion, forecasted to grow to \$37 billion by 2030
- A key market demand driver for graphite is electric vehicles (lithiumion batteries)
- security and prosperity" and Presidential Executive Orders ask U.S. The U.S. Government has defined graphite as "Critical to the nation's Government Agencies to act with alacrity

Projected Market Demand by 2028

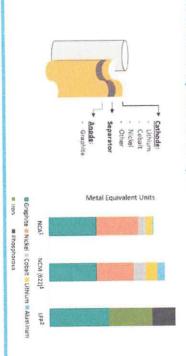


Strong Market Demand Amid the Growth of EV & Batteries

Electric Vehicle Sales Forecasts



Graphite is an Indispensable Component for Lithium Batteries



Mineral ORE – A Driver of Natural Land Regeneration

What is Mineral ORE?

Mineral ORE is the residual material produced after separating the Carbon ORE from coal waste.

How it Works

When applied to soil, Mineral ORE rebalances the texture and mineral composition. As a result, degraded land is returned to a productive state

Result

The biosphere is regenerated for sustainable benefits with reduced need for fertilizers and chemicals





Carbon Credit Monetization

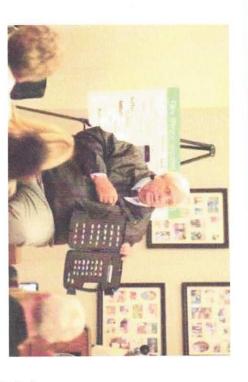
Mineral ORE has the potential to improve the carbon dioxide sequestration potential of soils. Farmers receive increased carbon credits as a result.





impoundments November 2022: West Virginia Governor announces Omnis Sublimation Recovery Technologies (OSRT) to invest \$60m to extract rare earth metals from coal

A strategic asset to help grow West Virginia's economy.



West Virginia Governor James C. Justice II

OSRT's technology can extract pure metals from coal impoundment mineral waste using Ultra-High Heat without acids or harmful chemicals. The technology recovers 100% of the metals, including all critical, strategic, and rare earth metals.

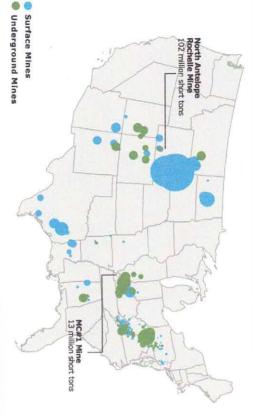
"Coal is such a big part of our state's livelihood, and it's amazing that we can now take the coal waste and turn it into something the world desperately needs, all while providing jobs to our hard-working people and investment to our great state."

How Can NAS Help?

Large Coal Waste Cleansing Market

- Coal waste is an inevitable by-product of mining and is a large environmental liability in North America.
- If OMNIS's technology is commercially deployed, this would eliminate the need for future impoundments
- There are over 900 coal mines in the U.S., creating multibillion-dollar liabilities to both companies and states

Surface and Underground Coal Mines in the United States



- Identify highest priority sites for remediation
- OMNIS has demonstrated that they can recover waste coal fines that would otherwise be disposed of
- We are in the process of scaling up the production at Bailey to achieve positive economics
- More work/funding is needed to realized this broader vision/potential
- Provide additional funding through the Department of Interior's Abandoned Mine Land Reclamation Fund (AML)
- Implement mobile treatment facility concept that would allow for smaller site clean-ups
- Mobile capabilities allow for greater geographic reach