LYTEN

IMPACT REPORT

2024

Table of Contents

Message from Leadership

Our Commitment to a Cleaner, More Sustainable and Prosperous Future

At Lyten, we use breakthroughs in material science to build products that perform better, cost less, and have a reduced impact on the planet and people.

We are a company of more than 300 innovators that believe our work should have a positive impact. We measure that impact by the economic prosperity we can help create, by the energy and national security we can help support, and by the positive impacts we can have on human health and the finite resources of our planet. We believe all these benefits must be present to deliver a truly impactful product. Internally, we call this mission *Impact Without Compromise*.

Our growing product portfolio reflects this ethos. We are building lithium-sulfur batteries that are 30-50% more energy dense than the leading lithium-ion batteries, made with abundantly available, low-cost materials available throughout the US and Europe as industrial by-products, and that reduce the need for mined minerals by 85%. Better performance, lower cost, and more efficient use of natural resources to support mass market electrification and energy storage.

We are progressing a portfolio of future products that follow the same ethos: high strength, low carbon footprint concrete, high strength 3D printing filaments and adhesives, ultra-high sensitivity sensors, and more. The common thread through each product is the use of material science, especially our proprietary family of Lyten 3D Graphene™ materials.

This Impact Report is Lyten's first and reflects our evolution from R&D into product commercialization. Our biggest impact comes from how our products are used, which we have reflected throughout the report. We are utilizing this report as our baseline, providing a view into our progress, our vision, and our responsibilities. We are highlighting our key areas of focus, which we will report back on in future impact reports.

Sincerely,

Keith Norman

Chief Marketing & Sustainability Officer • Lyten

Executive Summary

Lyten is committed to revolutionizing industries and driving a cleaner, more sustainable future through its innovative Lyten 3D Graphene™ platform. This unique material, derived from greenhouse gasses, forms the basis of our lightweight battery technology, next-generation composites, green concrete admixtures, and advanced sensor solutions.

Our approach to sustainability is deeply integrated into our business, from responsible material sourcing and efficient manufacturing to the development of high-performance products that enable decarbonization across sectors. We are dedicated to creating a positive impact, not only by reducing our own environmental footprint but also by empowering our customers to achieve their sustainability goals.

This inaugural Lyten Impact Report outlines our commitment to transparency and responsible growth. We highlight our progress in developing cutting-edge solutions, fostering a safe and inclusive workplace, and engaging with stakeholders to build a more sustainable and equitable future.

Cleaner Energy: Our lithium-sulfur batteries are poised to transform energy storage, enabling the transition to renewable sources while prioritizing national security, localized supply chains, and domestic manufacturing.

Sustainable Materials: Lyten 3D Graphene provides benefits across industries:

- Developing stronger, lighter, and more sustainable composite materials for applications across aerospace, automotive, 3D printing and more.
- Improving concrete durability and reducing the carbon footprint of construction through Lyten's green cement admixtures.

Smarter Infrastructure: Lyten's sensor technologies provide real-time insights for environmental monitoring and infrastructure integrity.

Sustainability Highlights

Lyten utilizes a proprietary process to transform methane into clean hydrogen and Lyten 3D Graphene, permanently sequestering carbon. We are committed to achieving Net Zero emissions by 2038 and maximizing resource utilization through circular economy principles, as well as to transparent, regular reporting of our environmental impact, in line with the Amazon Climate Pledge.

Progress and Commitments

This inaugural Lyten Impact Report reflects our dedication to transparency and accountability. Lyten is focused on establishing robust data collection and reporting practices to drive continuous improvement in its sustainability performance. As we continue to establish these processes, and as the company continues to grow, our data collection will expand.

Lyten's Mission

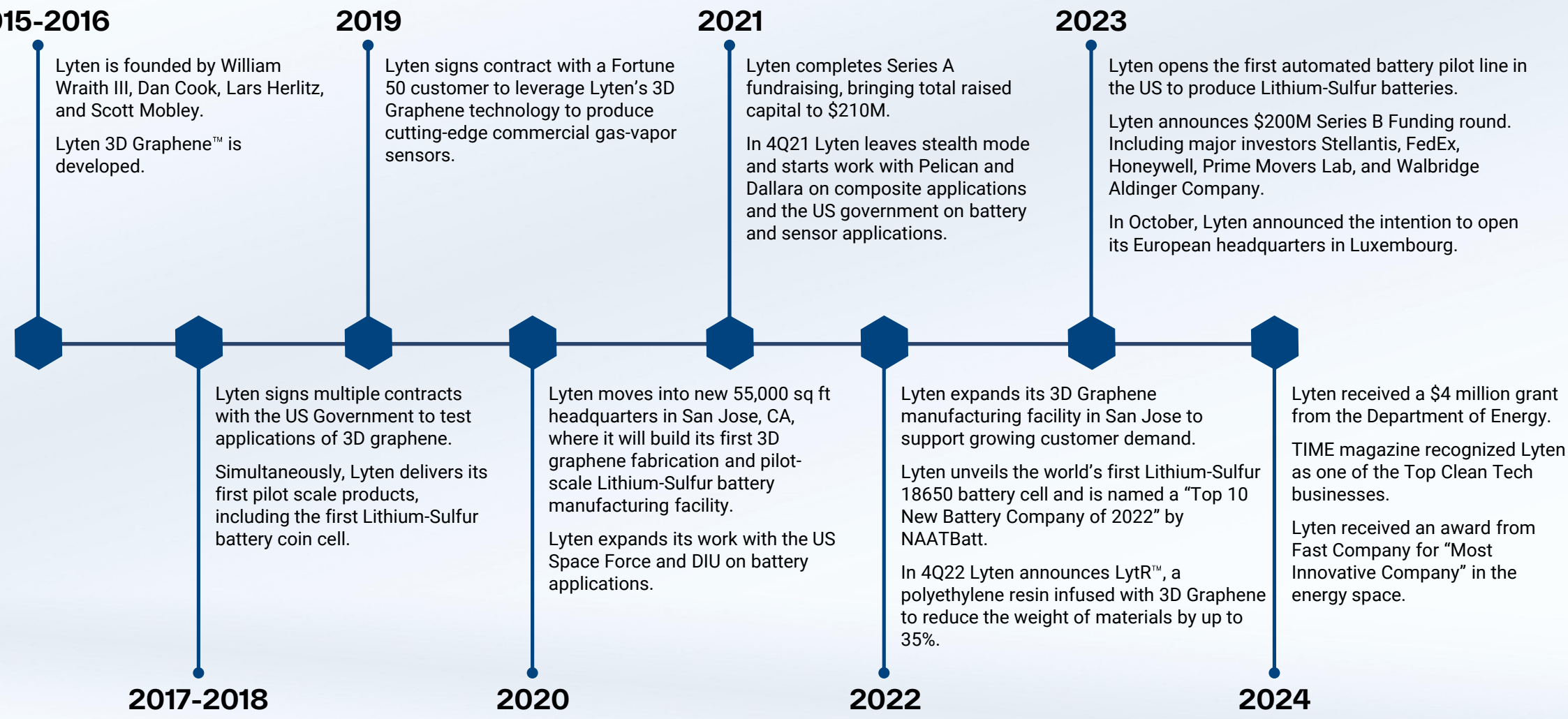
Our vision is to help create a world where **technological advancement** and **ecological responsibility** are seamlessly integrated. In the face of unprecedented global challenges, true sustainability requires a commitment to driving meaningful change across all industries. Lyten is transforming industries through materials innovation, enabling cleaner energy, lighter materials, and intelligent sensors to redefine how we power, move, build, and monitor our planet. By unlocking new frontiers in energy, transportation, infrastructure, and security, we empower industries to become more resilient, innovative, and smarter.

Therefore, we are driven by our overarching mission to develop and commercialize game-changing material innovations that deliver superior performance without trade-offs between **performance, cost, and impact.**

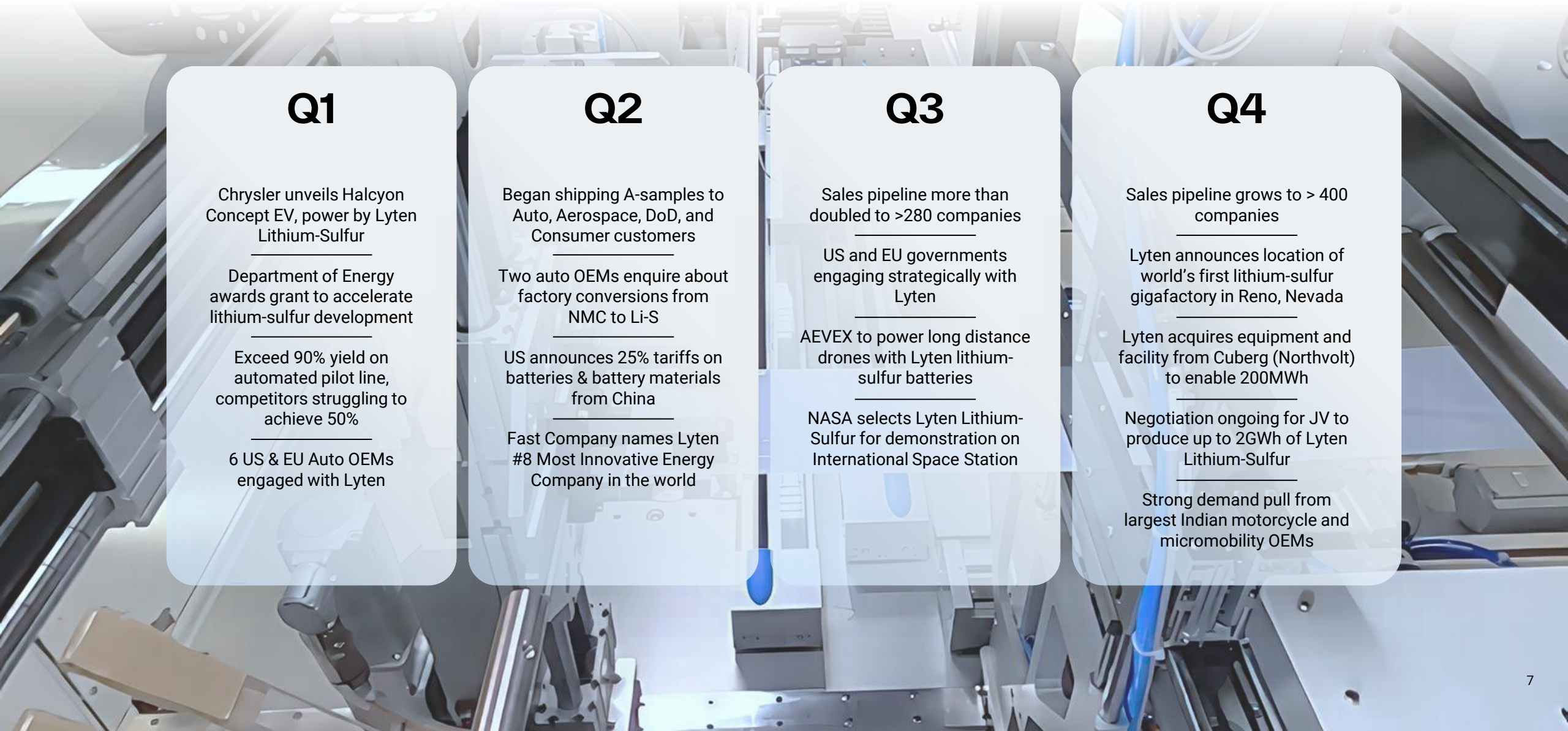
Lyten's technologies are designed to create a ripple effect of positive change across industries by extending the range of electric vehicles (EVs), increasing the capacity and resiliency of Battery Energy Storage Systems (BESS), reducing reliance on critical minerals and their supply chains, enabling precise environmental and infrastructure monitoring, and transforming the built environment with greener, stronger materials. By pursuing these avenues of innovation and more to come, Lyten is poised to revolutionize industries on a global scale. Our goals are to widely commercialize our product solutions and to inspire a worldwide shift towards innovation without compromise using our Lyten 3D Graphene-based battery products, sensors, and composites.

This, our inaugural Impact Report, is an example of our dedication to transparency and accountability as we share our progress, challenges, and aspirations, highlighting the ways in which we are working to integrate sustainability into every facet of our operations.

Lyten's History



Key Highlights 2024



Q1

Chrysler unveils Halcyon Concept EV, power by Lyten Lithium-Sulfur

Department of Energy awards grant to accelerate lithium-sulfur development

Exceed 90% yield on automated pilot line, competitors struggling to achieve 50%

6 US & EU Auto OEMs engaged with Lyten

Q2

Began shipping A-samples to Auto, Aerospace, DoD, and Consumer customers

Two auto OEMs enquire about factory conversions from NMC to Li-S

US announces 25% tariffs on batteries & battery materials from China

Fast Company names Lyten #8 Most Innovative Energy Company in the world

Q3

Sales pipeline more than doubled to >280 companies

US and EU governments engaging strategically with Lyten

AEVEX to power long distance drones with Lyten lithium-sulfur batteries

NASA selects Lyten Lithium-Sulfur for demonstration on International Space Station

Q4

Sales pipeline grows to > 400 companies

Lyten announces location of world's first lithium-sulfur gigafactory in Reno, Nevada

Lyten acquires equipment and facility from Cuberg (Northvolt) to enable 200MWh

Negotiation ongoing for JV to produce up to 2GWh of Lyten Lithium-Sulfur

Strong demand pull from largest Indian motorcycle and micromobility OEMs

Awards and Industry Recognition

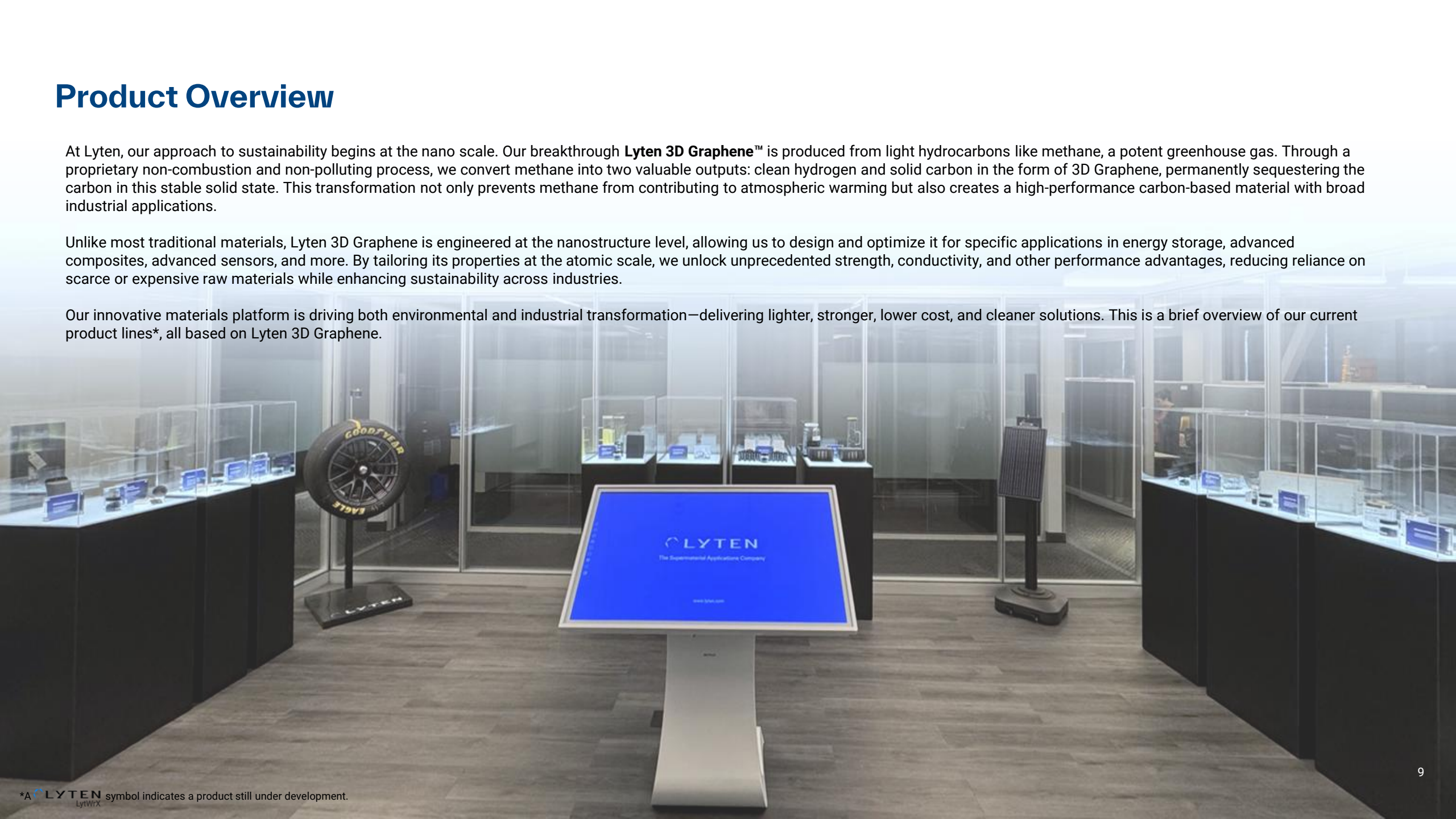
- ★ 2025 Time Magazine World's Top Green Tech Companies
- ★ 2025 Time Magazine America's Top Green Tech Companies
- ★ 2024 Fast Company Most Innovative Company
- ★ 2024 Guggenheim Report "The Efficient Frontier" Top Clean Tech company
- ★ 2024 Time Magazine America's Top Green Tech Companies
- ★ 2024 Silicon Valley Business Journal "Silicon Valley Power 100 - Dan Cook CEO, Lyten"
- ★ 2024 Silicon Valley Defense Group "NATSEC 100"
- ★ 2023 Silicon Valley Defense Group "NATSEC 100"
- ★ 2022 Lyten Named One of the Top 10 New Battery Companies of 2022 by NAATBatt International

Product Overview

At Lyten, our approach to sustainability begins at the nano scale. Our breakthrough **Lyten 3D Graphene™** is produced from light hydrocarbons like methane, a potent greenhouse gas. Through a proprietary non-combustion and non-polluting process, we convert methane into two valuable outputs: clean hydrogen and solid carbon in the form of 3D Graphene, permanently sequestering the carbon in this stable solid state. This transformation not only prevents methane from contributing to atmospheric warming but also creates a high-performance carbon-based material with broad industrial applications.

Unlike most traditional materials, Lyten 3D Graphene is engineered at the nanostructure level, allowing us to design and optimize it for specific applications in energy storage, advanced composites, advanced sensors, and more. By tailoring its properties at the atomic scale, we unlock unprecedented strength, conductivity, and other performance advantages, reducing reliance on scarce or expensive raw materials while enhancing sustainability across industries.

Our innovative materials platform is driving both environmental and industrial transformation—delivering lighter, stronger, lower cost, and cleaner solutions. This is a brief overview of our current product lines*, all based on Lyten 3D Graphene.



*A LYTEN symbol indicates a product still under development.

Product Overview

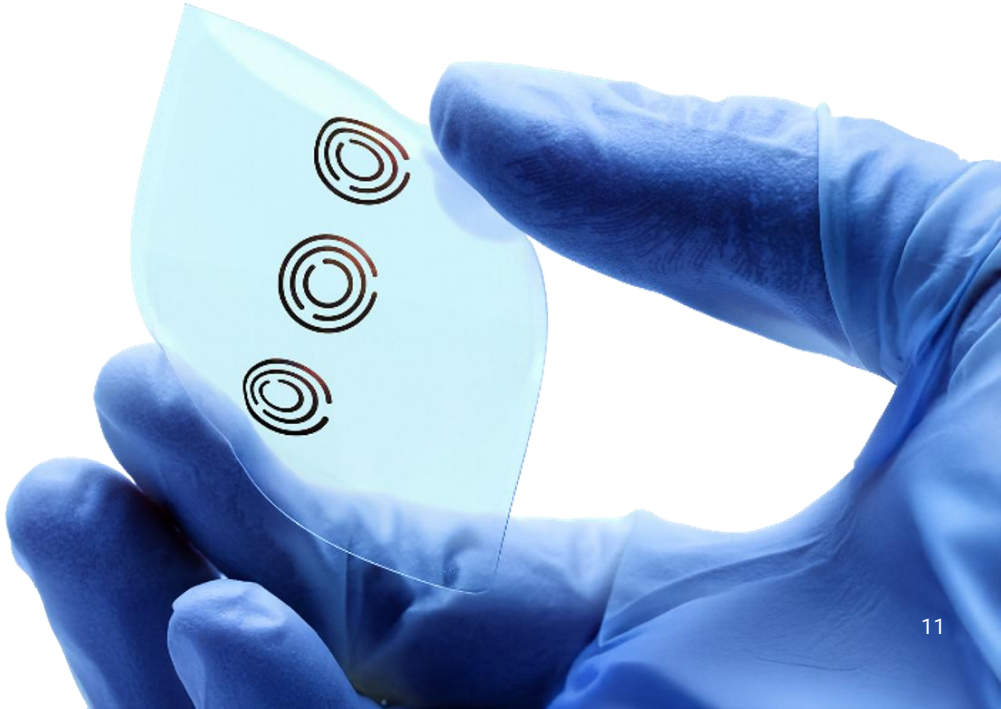
Lithium-Sulfur Batteries: Lyten's lithium-sulfur batteries are poised to transform the industry by delivering a lighter and more sustainable energy storage solution. Utilizing abundant, locally sourced, non-mined minerals for a lower environmental impact and reduced reliance on critical materials, these batteries offer higher energy density which translates to lighter weight EVs, drones, and satellites, while also being built with low-cost materials to drive mass-market electrification. Lyten lithium-sulfur is manufacturable in existing gigafactories with renewable energy. Lyten's batteries service a wide range of markets: Energy Storage Systems, EVs, Satellites, Drones, Micromobility, and Defense.

LYTEN LytWrX **Composites:** Lyten's 3D Graphene is used to create stronger, and therefore lighter and more sustainable, composite materials. Because Lyten 3D Graphene is highly tunable and reactive, it can be engineered to enable multiple types of benefits to polymer and composite materials. This process can improve strength and stiffness, decrease weight, and optimize thermal and electrical properties. These composites can be molded, rotomolded, or even extruded into 3D printing filaments, and have applications across many industries, including aerospace, automotive, consumer goods, and much more.

Product Overview

Green Concrete: Lyten's concrete admixture enhances durability by significantly reducing water and chloride ion infiltration, corrosion, and structural wear. With 30% higher strength, it reduces material and cement usage, cutting CO_2 emissions—one of the largest contributors to atmospheric carbon. This innovation extends infrastructure lifespan, minimizes maintenance, and supports a more sustainable built environment. Not only does this green concrete admixture lower the initial environmental footprint of construction for buildings, bridges, and roads by reducing material and cement use, but its enhanced durability also translates to longer lifespans and less frequent replacements, significantly lessening the long-term environmental impact of infrastructure. This means less resource extraction and waste generation over time for the built environment.

Sensors: Lyten's 3D Graphene sensors provide real-time insights into air quality and dangerous chemical detection using our gas & vapor sensors, as well as infrastructure and transportation integrity using our resonant sensors. We use the exceptional electrical properties and extremely high surface area of Lyten 3D Graphene to create novel forms of sensing that deliver ultra-high sensitivity, selectivity, and cost-effectiveness. This can enable better, or even new, data points that provide never-before captured insights about infrastructure, environment, or products that we've never had before, helping to provide a healthier environment and safer communities.



Goals and Progress

As this is our baseline year for data collection, we are focusing on refining our data collection techniques, establishing robust processes, and ensuring data integrity. It is important to note that this year's data collection is limited to our San Jose operations, which makes up >85% of our operations, laying the groundwork for broader data capture as we expand locations. In the future, we will expand our data collection to encompass all our facilities and operations.

We are also in a period of significant expansion, including the buildout of a battery factory in San Leandro, California, and the construction of the world's first-ever lithium-sulfur battery gigafactory in Reno, Nevada. This growth may result in a short-term increase in our emissions footprint, particularly within our broader value chain (Scope 3), though we are confident that the long-term benefits of this expansion will significantly offset these initial increases (Scope 4). This expansion will ultimately increase production of our advanced battery technologies, which offer significant sustainability advantages:

- Enabling electrification and displacement of fossil fuel vehicles, reducing reliance on fossil generated grid power, eliminating diesel backup power, and improving energy security.
- Utilizing materials and processes that minimize geopolitical risks, environmental damage, and supply chain vulnerabilities through reduced mining and use of local materials.

Therefore, while we are not establishing formal goals at this time, our objective is to gather consistent and reliable data that will serve as a foundation for setting meaningful and achievable goals in the future once we have acquired additional data points and can establish trends.

Reporting Framework

Lyten's commitment to environmental and social responsibility is deeply rooted in its alignment with the United Nations Sustainable Development Goals (SDGs). We use the SDGs to align our business operations and aspirations with that of the global sustainability community, ensuring that our efforts as a company contribute to global efforts for climate mitigation and environmental stewardship.

Lyten actively contributes to the transition to clean energy sources through innovative battery technologies, supporting Affordable and Clean Energy.

We drive sustainable industrial development with advanced materials and lightweighting solutions in support of Industry, Innovation, and Infrastructure.

Lyten champions resource efficiency and waste reduction in its operations and product lifecycle, promoting Responsible Consumption and Production.

By developing technologies that reduce greenhouse gas emissions and boost energy efficiency, the company combats climate change, aligning with Climate Action.

These are a few examples of how Lyten's work aligns with the SDGs. To visually highlight the connection between our work and the UNSDGs, we will be incorporating the relevant SDG icons throughout this report. When you see an SDG symbol alongside our initiatives, it signifies that the described activity or program contributes to the advancement of that specific goal. This visual representation aims to provide a clear and concise overview of how Lyten's efforts align with the global sustainability agenda.

Reporting Framework

This inaugural sustainability report marks the beginning of our journey towards greater transparency and accountability. While not required, we have drawn inspiration from the following globally recognized frameworks to organize and inform our approach:

EPA's Greenhouse Gas Reporting Program (GHGRP).

Sustainability Accounting Standards Board (SASB) guidance for Chemicals, and for Fuel Cells & Industrial Batteries.

In accordance with the Amazon Climate Pledge, we are committed to regular reporting of our GHG emissions.

Environmental Stewardship Through Innovation

Sustainability Approach

At Lyten, environmental stewardship is embedded into our technology at the nano scale. Our mission is to create high-performance materials that not only enhance product capabilities but also drive a more sustainable, low-carbon future. Through our proprietary Lyten 3D Graphene™ platform, we are unlocking breakthrough performance across multiple industries—from next-generation batteries and ultra-strong composites to high-sensitivity sensors—while simultaneously reducing environmental impact.

At the core of our innovation is 3D Graphene, a first-of-its-kind supermaterial derived from greenhouse gases. Unlike conventional material production processes that contribute to emissions, Lyten's process is non-combustive. We capture methane and other greenhouse gases, breaking them down into carbon that is engineered into 3D Graphene, and hydrogen that can be reused for clean energy applications.

Lyten's approach achieves multiple sustainability benefits:

Carbon Sequestration

We convert methane, a greenhouse gas, into a high-value 3D Graphene materials platform, offering a scalable path to decarbonization across industries.

Transition of Fossil Fuels to Renewables

Our batteries are designed to accelerate electrification of a wide range of industries, enabling a transition from fossil-based power source to renewable sources.

Extending Product Lifespans

Our concrete admixture strengthens structures, reducing material use and cutting CO_2 emissions from cement—the world's largest industrial emitter.

Circularity & Resource Efficiency

By designing materials that require fewer finite resources, Lyten reduces reliance on mining-intensive supply chains. Our lithium-sulfur batteries, for example, eliminate the need for nickel, cobalt, and manganese, reducing the environmental and geopolitical risks of traditional battery chemistries.

Empowering Climate Action

Our sensor technologies enable real-time air quality and methane monitoring, equipping industries and governments to track and mitigate emissions effectively.

We aim for Net Zero emissions by 2040, in alignment with the Paris Climate Accord, the Amazon Climate Pledge, and customer requirements. In line with the Amazon Climate Pledge, we are committed to implementing carbon elimination techniques such as efficiency improvements and renewable energy investments, and to investing in credible carbon offsets to neutralize any remaining emissions. We aim to power our operations with 100% renewable energy by 2035 and are actively pursuing initiatives to reduce our environmental footprint across all aspects of our operations.

Environmental Impact and Resource Management

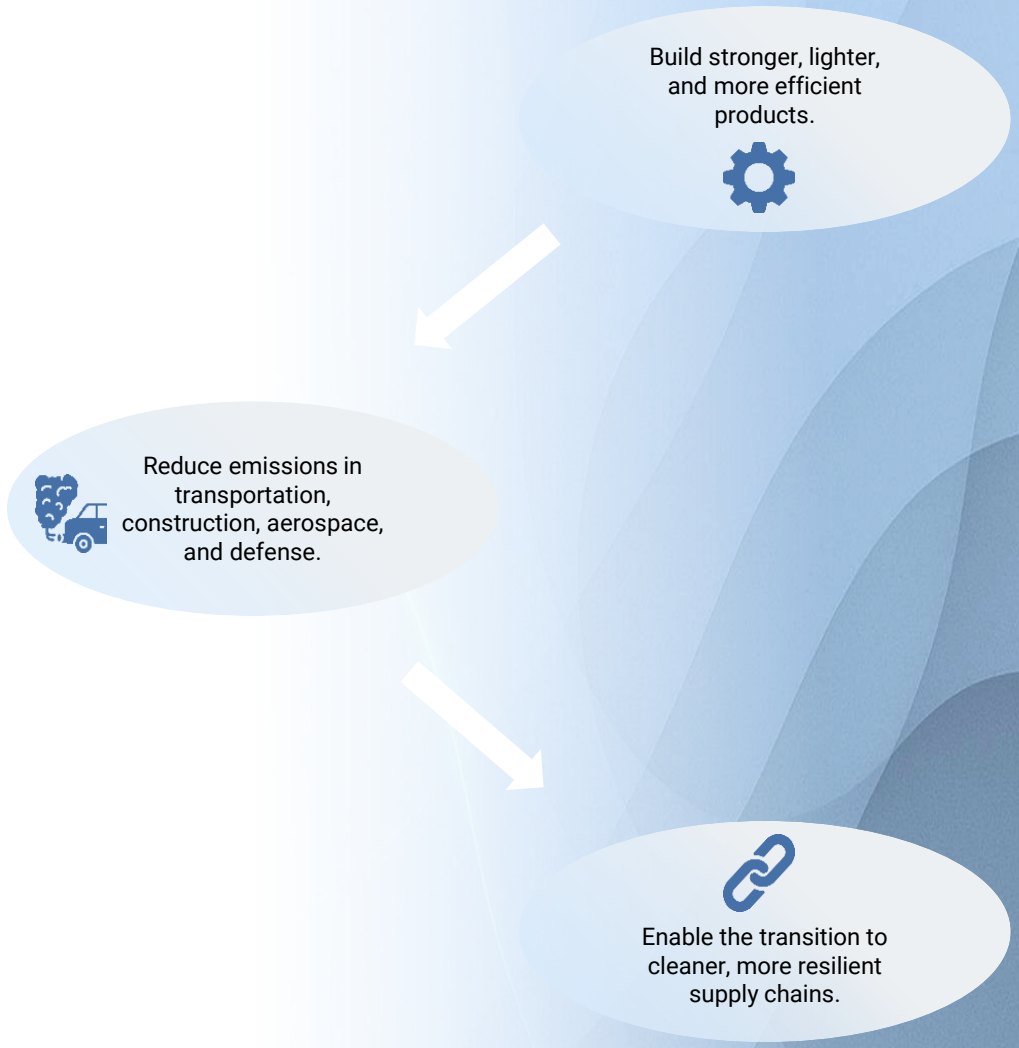
A Path to Net Zero & Beyond

Lyten's materials innovation is not just about reducing our own footprint—it's about enabling systemic decarbonization across industries. Our technology has the potential to scale environmental benefits through our customers, empowering them to:

- Build stronger, lighter, and more efficient products.
- Reduce emissions in transportation, construction, aerospace, and defense.
- Enable the transition to cleaner, more resilient supply chains.

As we continue to expand the applications of 3D Graphene, we are unlocking new pathways for emissions reductions across multiple sectors—from sustainable mobility to advanced manufacturing. With every product we develop, we move closer to a world where economic growth no longer comes at the expense of the environment.

Lyten's innovative materials deliver superior performance and a path to net-zero carbon emissions. Our vision is clear: to lead the charge towards a world where economic growth can happen without emissions growth. A net-zero world must also be an economically feasible, and our goal is to deliver the advanced solutions that make it possible.



Environmental Impact and Resource Management

Key Performance Indicators (KPIs)

Category	Subcategory	Unit	Value
GHG Emissions			
	Scope 1	kgCO2e	6,820.49
	Scope 2	kgCO2e	819,973.32
	Total Scope 1 + 2	kgCO2e	826,793.81
Energy			
	Total Energy Use	MWh	6,690.48
	Electricity	MWh	4,218.49
	Grid Energy	%	16
	Renewable Energy	%	68.64
	*Non-Renewable Energy	%	31.36
	Total Fuel	MMBtu	8,313.40
Water			
	Total Water Use	Gallons	5,662,164
	Water - Industrial	Gallons	1,725,442
	Water - Irrigation	Gallons	3,936,722
Waste			
	Total Waste	Lbs	278,451
	Hazardous Waste	Lbs	62,823

* Greensource purchases Renewable Energy Credits (RECs) to offset all carbon-based emissions.

Progress and Initiatives

The following sections detail our comprehensive sustainability initiatives, highlighting our progress and ongoing efforts across our operations and product portfolio.

Scope 1 Emissions Management

Lyten recognizes the importance of managing our Scope 1 greenhouse gas (GHG) emissions as part of our commitment to environmental sustainability and mitigating climate change in alignment with the SASB standard for Chemicals. We are actively developing and implementing a comprehensive strategy to track, manage, and reduce these emissions.

While the SASB standard for Chemicals focuses on direct emissions, we are also tracking and reporting Scope 2 and Scope 3* emissions, providing a more complete picture of our overall carbon footprint. This includes indirect emissions from purchased electricity (Scope 2) and emissions from our value chain (Scope 3).

* Scope 3 emissions will be reported in an addendum after the initial publication of this report.

Baseline Year and Targets

As 2024 is our baseline year for collecting emissions data, our focus is on implementing and developing effective data collection techniques for reporting our Scope emissions. This year will provide a comprehensive dataset against which we will measure future performance. Following the collection and analysis of our data, we will establish relevant emission reduction targets. These targets will align with industry best practices and climate science and will be published in a future report.

Scope 1 Emissions Management

Monitoring and Measurement

We are monitoring and measuring Scope 1 emissions from our San Jose, California operations. This includes emissions from the following sources:

Stationary Combustion
Emissions from the combustion of fuels (e.g., natural gas, propane) in our manufacturing processes, and for heating our facilities.

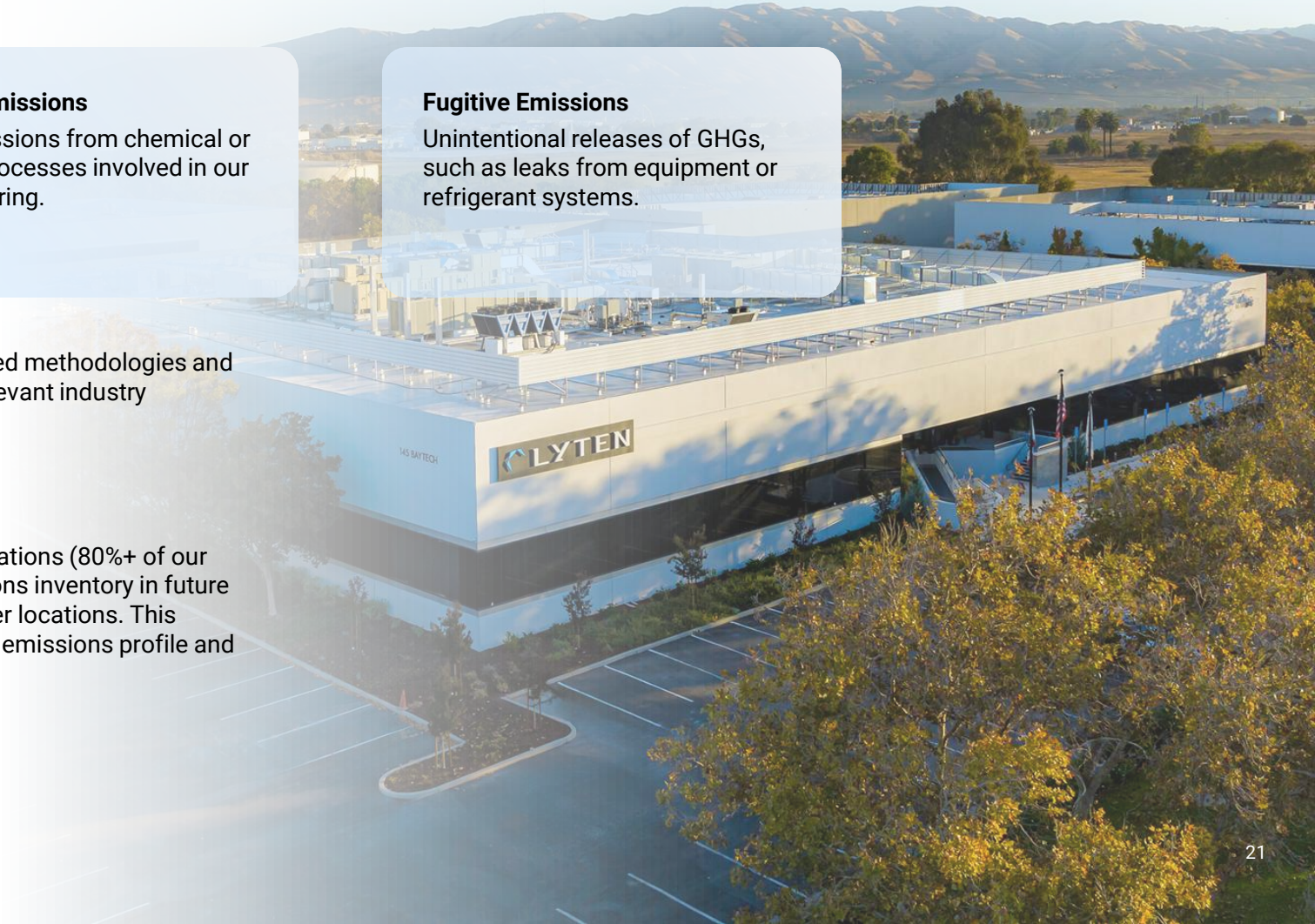
Process Emissions
Direct emissions from chemical or physical processes involved in our manufacturing.

Fugitive Emissions
Unintentional releases of GHGs, such as leaks from equipment or refrigerant systems.

We collect data to calculate our Scope 1 emissions using established methodologies and emission factors (e.g., those provided by the EPA, IPCC, or other relevant industry standards).

Geographic Scope Expansion

While our 2024 data collection focuses solely on our San Jose operations (80%+ of our activities), we are committed to expanding the scope of our emissions inventory in future years. In the future, we plan to include emissions data from our other locations. This expanded scope will provide a more complete picture of our overall emissions profile and inform our company-wide reduction efforts.



Scope 1 Emissions Management

Performance and Anticipated Trends

As 2024 is our baseline year, we are working to ensure accurate and complete accounting of all Scope 1 emission sources. We anticipate that our absolute Scope 1 emissions may increase in the near term due to planned expansions and increased production to meet growing demand for our products. However, we are committed to minimizing any increases to the best of our ability.

Our Scope 2 and 3 emissions will likely also grow; however, it is crucial to recognize that this growth is directly linked to a proportional increase in avoided emissions (often referred to as Scope 4) across multiple industries. Lyten's products are specifically designed to enable significant decarbonization efforts for our customers. As our production scales, so too does the positive impact we have in allowing others to achieve their sustainability goals.

Mitigation Strategies

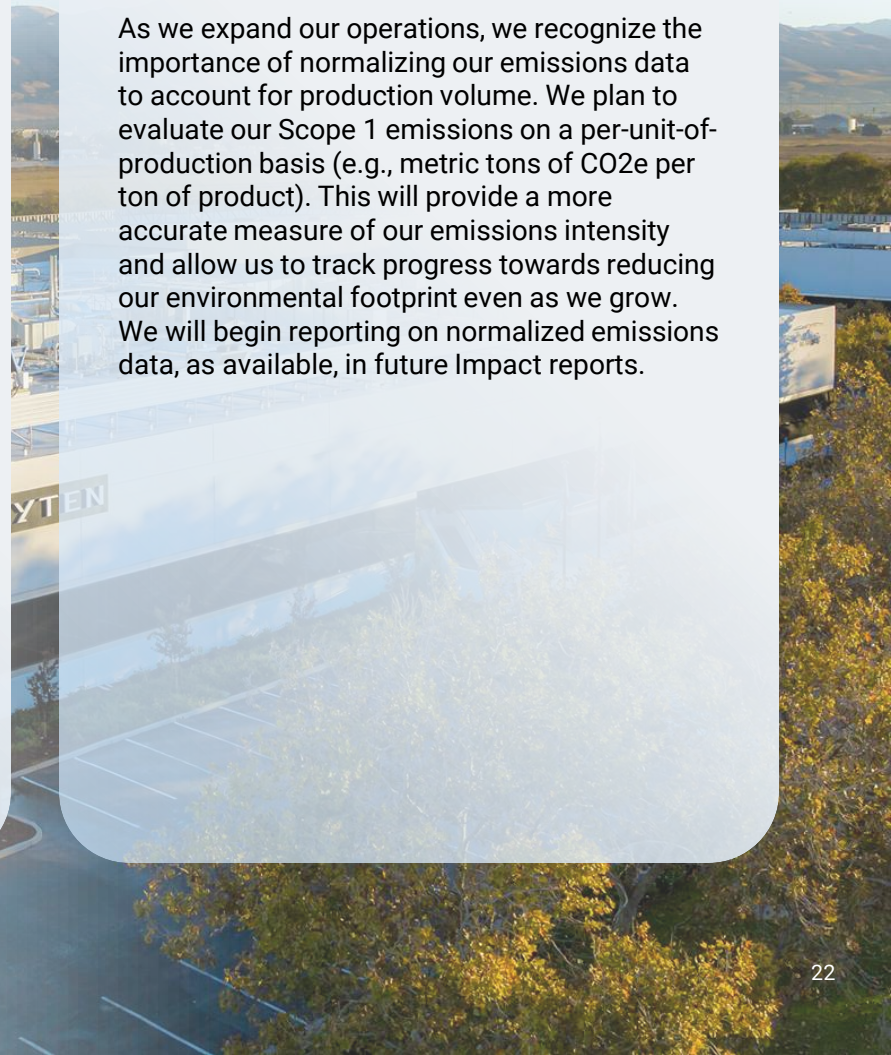
Our primary source of Scope 1 emissions originates from our 3D Graphene production. Process optimization intended to mitigate these emissions includes:

- Regular maintenance and calibration of equipment to ensure optimal efficiency and to minimize fugitive emissions.
- Implementation of process control strategies to reduce raw material waste and energy consumption during reactions.
- Analysis of process parameters to identify and implement minor adjustments that yield reductions in fuel and energy use.

These optimization efforts are fundamental to our continuous improvement strategy and will establish a strong foundation for future, more ambitious emissions mitigation techniques as we continue to expand our operations. We are dedicated to working with our stakeholders to achieve a sustainable and environmentally responsible operation.

Normalization and Future Reporting

As we expand our operations, we recognize the importance of normalizing our emissions data to account for production volume. We plan to evaluate our Scope 1 emissions on a per-unit-of-production basis (e.g., metric tons of CO_2e per ton of product). This will provide a more accurate measure of our emissions intensity and allow us to track progress towards reducing our environmental footprint even as we grow. We will begin reporting on normalized emissions data, as available, in future Impact reports.



Water Management

Lyten recognizes water as a critical resource and is committed to responsible water management across all our operations. We understand the importance of water conservation, efficient use, and the protection of water quality. Our approach to water stewardship is integrated into our overall sustainability strategy.

Baseline Assessment and Future Planning

We are establishing robust systems to measure and monitor water usage across our facilities. This baseline data, initially focused on our San Jose operations and expanding to include other locations in future years, will be instrumental in setting meaningful reduction targets and tracking our progress. The baseline assessment includes measuring:

Industrial Water Use

Measuring our water usage from industrial processes.

Irrigation Water Use

Separately tracking water use for landscaping and irrigation purposes.

Key Water-Related Risks

We recognize that our operations, and businesses in general, face several water-related risks:

Water Scarcity

Our facilities, particularly those in California and Nevada, are in regions that may experience water stress. Limited water availability could impact our operations and increase costs.

Regulatory Changes

Evolving regulations related to water use and discharge could increase compliance costs and potentially restrict our access to water resources.

Reputational Risk

Irresponsible water management practices could damage our reputation with stakeholders, including customers, investors, and local communities.

Water Management

Water Management Strategies and Initiatives

To mitigate these risks and demonstrate our commitment to responsible water stewardship, Lyten is implementing the following strategies and initiatives:

Water Recycling and Reuse

We are actively exploring and plan to implement water recycling and filtering systems. These systems will treat and reuse water within our operations, significantly reducing our overall water needs and minimizing wastewater discharge. Specific technologies and implementation timelines will be determined based on feasibility studies, our 2024 baseline data, and our future outlook.

Regulatory Risk

To mitigate regulatory risks associated with water, we maintain awareness of evolving regulations, perform periodic operational reviews for compliance, and execute detailed compliance assurance audits.

No NMP Use

Lyten does not use N-Methylpyrrolidone (NMP) in our manufacturing processes. NMP is a solvent that has raised concerns about reproductive toxicity and negative environmental impact. Our commitment to avoiding NMP demonstrates our proactive approach to chemical safety and responsible material selection.

Water Conservation Measures

We are committed to identifying and implementing water conservation measures across our facilities. This includes:

- Installing water-efficient fixtures and appliances (e.g., low-flow toilets, faucets, and showerheads).
- Optimizing irrigation practices (e.g., using smart irrigation controllers, drought-tolerant landscaping).
- Implementing leak detection and repair programs.

Stakeholder Engagement

We will engage with local water agencies, community groups, and other stakeholders to understand regional water challenges and collaborate on solutions.

Future Outlook

In future reports, we will establish specific, quantifiable water reduction targets. We will track our performance against these targets and report on our progress in future Impact reports. We will continually monitor for emerging risks, best management practices, and the evolving regulatory landscape as we expand our operations.

Circular Economy; A Closed-Loop Approach

Lyten is committed to the principles of the circular economy, striving to maximize resource utilization, minimize waste, and move away from the traditional linear "take-make-dispose" model. We achieve this through a multi-faceted approach focused on both the front-end and back-end of our product lifecycle.

Front-End Recycling and Reuse

We prioritize the use of sustainably sourced materials in our production processes. A key example of this is our innovative utilization of industrial byproducts, such as sulfur and natural gas, which are often considered byproduct waste streams. We transform these materials into valuable, high-performance components for our products. This approach not only reduces our reliance on virgin materials but, importantly, also prevents these byproducts from becoming environmental pollutants.

Localized Sourcing

We prioritize sourcing our product components domestically whenever feasible. This reduces our reliance on vulnerable and often environmentally damaging global supply chains, minimizes transportation-related emissions, and promotes domestic production, economic growth, and American innovation. See more in the Supply Chain Resilience section of this report.

Circular Economy; A Closed-Loop Approach

End-of-life Solutions

We recognize the importance of responsible end-of-life management for our products. To further our commitment to a circular economy, we are actively exploring innovative solutions for lithium-sulfur battery recycling, which could reduce cradle-to-gate carbon intensity of our batteries by about 30% (EcoEngineers LCA).

This includes:

Strategic Partnerships

We are forging partnerships with specialized third-party recycling companies to ensure responsible and effective large-scale recycling of our battery technologies as our operations grow.

Battery Scrap Recycling

Currently, we have implemented processes for recycling battery scrap generated during our manufacturing operations, including development of our own technologies for the recycling of scrap lithium.

By developing comprehensive end-of-life solutions, we aim to minimize waste, recover valuable materials, and contribute to a closed-loop system for our battery technologies. This approach underscores our dedication to environmental stewardship and responsible product lifecycle management.

Waste Management

Lyten is committed to the safe and responsible management of hazardous materials throughout their lifecycle, from procurement to disposal. Our approach emphasizes:

Minimization of Use
We prioritize the use of non-hazardous or less hazardous alternatives whenever feasible.

Strict Control and Handling
All hazardous materials are handled, stored, and used in accordance with applicable regulations and best practices.

Responsible Disposal
Hazardous waste disposal is managed by licensed hazardous waste vendors ensuring compliance with all applicable regulatory requirements.

Continuous Improvement
We continually review and improve our hazardous materials management practices to enhance safety and environmental performance.

Renewable Energy Procurement

Lyten prioritizes the use of renewable energy sources to power our operations, reducing our reliance on fossil fuels and minimizing our greenhouse gas emissions.

San Jose Clean Energy Partnership

Our manufacturing operations in San Jose, California are powered by San Jose Clean Energy (SJCE). SJCE's Greensource program provides electricity with a high percentage of renewable and carbon-free sources. It also purchases Renewable Energy Credits (RECs) to offset all carbon-based emissions, significantly reducing our Scope 2 emissions. GreenSource's energy content consists of 60% renewable energy and 24% non-renewable carbon-free energy. The remaining 16% is California grid power, where renewable or carbon-free energy accounts for 54% of the energy content.

Expanding Renewable Energy Use

We are actively exploring opportunities to expand our use of renewable energy across all our facilities. This includes evaluating the feasibility of on-site renewable energy generation (e.g., solar panels) for our planned battery factory in Reno, Nevada. We are committed to increasing the percentage of our total energy consumption derived from renewable sources in the coming years.

*Pictured: A rendering of the planned Lyten gigafactory in Reno, Nevada.

Lyten's Impact Without Compromise: Delivering Sustainability Through Innovation

Lyten's innovative materials are transforming the way we approach technological innovation. Our 3D Graphene-based product platform empowers other companies and industries to significantly reduce their greenhouse gas emissions. This positive impact, often referred to as avoided emissions or Scope 4 emissions, represents the largest contribution Lyten will make towards a sustainable future.

We are not just manufacturing products; we are building the foundation for a low-carbon economy.

Lyten 3D Graphene™: The Foundation for a Sustainable Future

Lyten 3D Graphene™ unlocks possibilities across many industries. It's not just about lightweighting, strength, or sustainability individually – it's about having the power to tune those qualities with precision. This material can be tailored to specific needs without compromising other essential properties.

Challenge

Strong or Sustainable

Industries often face a difficult choice between materials that are lightweight, strong, or sustainable. Finding a solution that excels in all three areas without compromise is a significant challenge.

Climate Change

There is growing need to reduce carbon emissions and transition towards a circular economy that minimizes waste and environmental impact

Throw-Away Economy

Many traditional manufacturing processes rely on the extraction of finite resources and generate significant amounts of waste, contributing to environmental degradation and resource scarcity.

Lyten's Solution

Adaptability

Lyten 3D Graphene™ is highly tunable, allowing for customized solutions that address specific needs across many industries without compromising performance or sustainability.

Sequestration

For every 1 kilogram of 3D Graphene produced from methane, 2.5 kilograms of CO_2 equivalent are permanently sequestered.

Circular Economy

By using natural gas as a feedstock to produce our 3D Graphene, we effectively convert a potent greenhouse gas into a valuable decarbonization material, contributing to a circular economy while reducing emissions and actively sequestering carbon.

Lyten's Lithium-Sulfur Batteries: Revolutionizing Energy Storage

Lyten's lithium-sulfur batteries are a revolution in energy storage technology, offering a lighter, more resilient solution for a wide range of applications, reducing environmental impact while ensuring cost-effectiveness.

Challenge

Unsustainable Battery Production

Many battery manufacturing processes, particularly those reliant on common chemistries like NMC, contribute to greenhouse gas emissions and environmental pollution. This poses a significant challenge to the sustainability of the rapidly growing battery industry.

Lyten's Solution

Cleaner Transportation

The adoption of Lyten's lithium-sulfur batteries in vehicles has the potential to significantly reduce greenhouse gas emissions. Lyten's batteries can reduce lifetime emissions by 33 tons of CO_2 equivalent per vehicle.

Reduced Reliance on Critical Minerals

Lyten's lithium-sulfur batteries do not use nickel, cobalt, and manganese, which are standard metals used in baseline Li-ion batteries. Avoiding the use of these metals reduces emissions by 30% to 50% relative to conventional Li-ion batteries. Additional carbon reductions can be found in our localized supply chain, which reduces emissions associated with the transportation of materials (Scope 3).

Sustainable Battery Production

The cradle-to-gate emissions from Lyten's 3D Graphene battery were the lowest of 28 battery chemistries analyzed by 11 peer-reviewed LCAs. Transitioning to lithium-sulfur battery technology can achieve a 62% reduction in emissions associated with battery manufacturing vs lithium-ion. Details on the LCA can be found on pages 32 & 33 of this report.

Lyten's Lithium-Sulfur Batteries: Revolutionizing Energy Storage

Lyten's lithium-sulfur batteries are a revolution in energy storage technology, offering a lighter, more resilient solution for a wide range of applications, reducing environmental impact while ensuring cost-effectiveness.

Challenge

Heavy Weight Batteries

The significant weight of conventional lithium-ion batteries reduces the overall efficiency of EVs and other applications. Heavier vehicles require more energy to move, offsetting some of the environmental benefits of electric power. This is critical in industries like aerospace, where reduction is paramount.

Supply Chain Volatility

The production of lithium-ion batteries relies on critical minerals like cobalt, nickel, and graphite with complex and often vulnerable supply chains. This raises concerns about ethical sourcing, price volatility, and geopolitical risks.

Poor Accessibility

The high cost of batteries is a significant barrier to the widespread adoption of electric vehicles and battery energy storage solutions for renewable energy. This limits access to cleaner technology and slows down the transition to a sustainable energy future.

Lyten's Solution

Lightweighting

Lyten's lithium-sulfur batteries offer up to 50% weight reduction vs NMC and up to 75% weight reduction vs LFP batteries. This translates to improved efficiency, increased range, and improved performance in EVs, and in aerospace and shipping, where reducing weight is crucial for optimizing fuel efficiency and reducing emissions.

Localized Supply Chain

Our cathode active material (CAM) does not use critical minerals like cobalt, graphite, nickel, or manganese. This reduces our reliance on complex global supply chains and mitigates the negative impacts associated with their extraction. We prioritize sourcing our materials from domestic sources wherever possible, strengthening economic security, lessening dependence on foreign sources, and contributing to national security.

Cost-Effective Materials

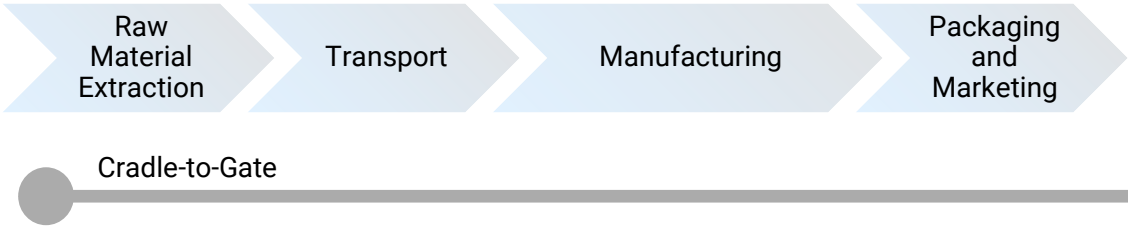
Lyten's lithium-sulfur batteries redefine the economics of battery production. We leverage readily available materials like sulfur, natural gas and methane, transforming these materials into high-performing battery components. This allows us to achieve cost-effectiveness without compromising performance or sustainability.

Lifecycle Analysis for Lyten Lithium-Sulfur Batteries

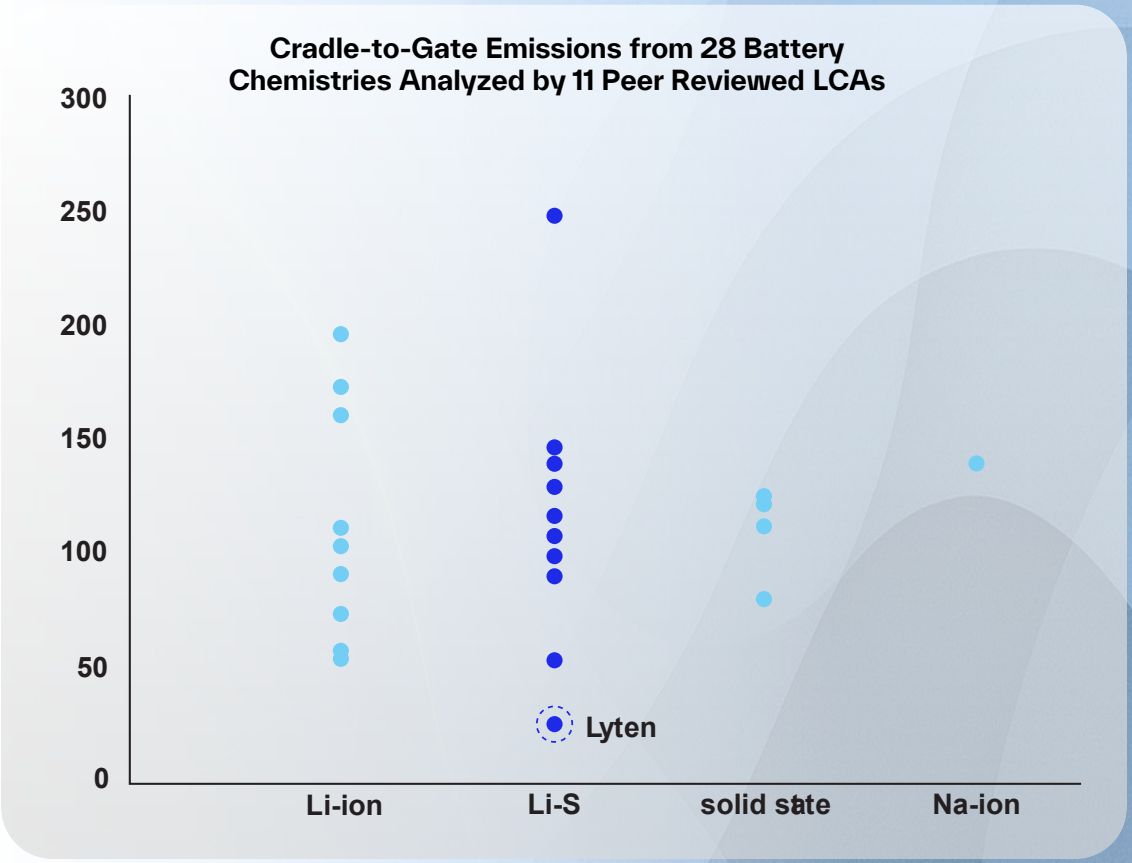
To quantify and report emissions reductions associated with our lithium-sulfur batteries:

We commissioned EcoEngineers to complete a comprehensive LCA of our lithium-sulfur battery, comparing it to 28 other battery chemistries analyzed in 11 peer-reviewed LCAs. This analysis allows us to estimate the potential emissions reductions achieved by using our batteries in electric vehicles compared to conventional lithium-ion batteries.

EcoEngineers measured the cradle-to-gate emissions of our battery production process, ensuring a thorough understanding of the environmental impact associated with manufacturing our lithium-sulfur batteries.

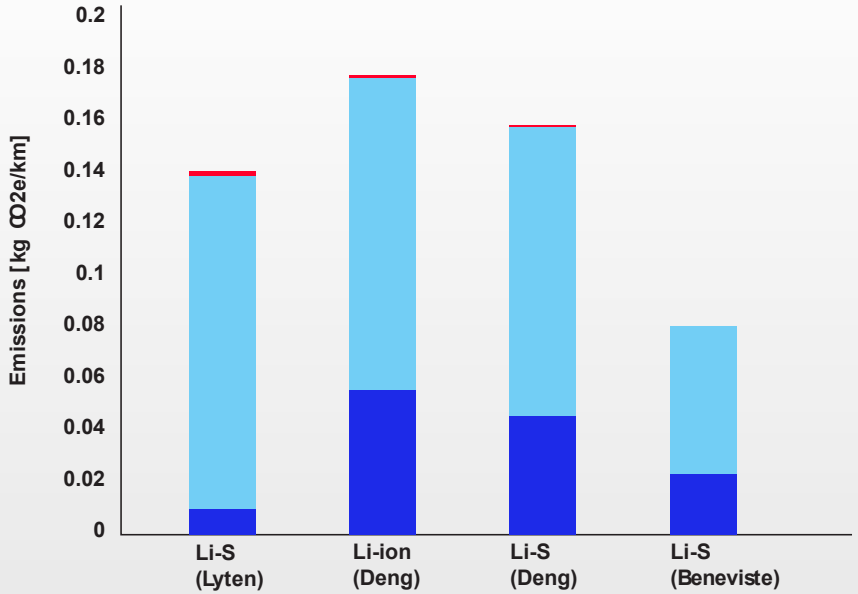


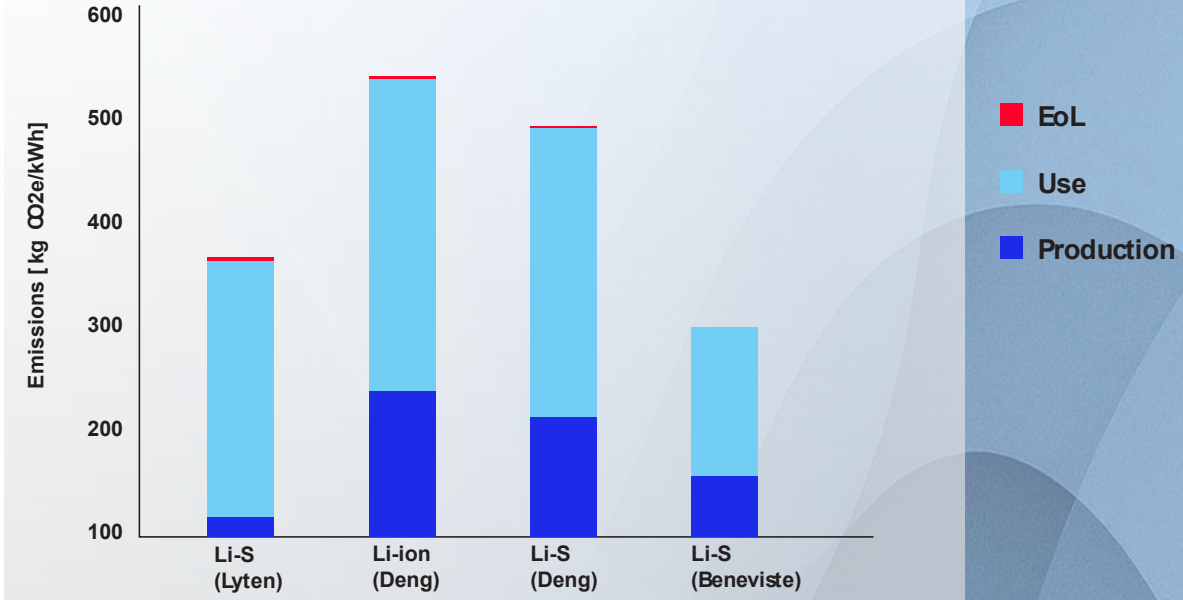
We aim to provide stakeholders with clear and reliable information about the reduced environmental impact of our lithium-sulfur batteries, particularly in terms of Scope 4 emissions avoidance. What follows are graphics that describe cradle-to-gate and cradle-to-grave emissions of our batteries compared to other chemistries:



Lifecycle Analysis for Lyten Lithium-Sulfur Batteries

Comparison of Cradle-to-Grave Emissions from the Present Study to Peer Reviewed Li-ion and Li-S EV Battery LCAs. The chart on the left shows results in units of “kg CO2e/km”, and the chart on the right shows results in units of “kg CO2e/kWh”. Total emissions are divided into three categories: production, use, and end of life.





Battery Energy Storage Systems (BESS)

Lyten's Battery Energy Storage Systems (BESS) deliver resilient, on-demand power directly where it's needed most, offering a rapidly deployable and cost-effective alternative to traditional grid infrastructure upgrades & diesel generators, and ensuring consistent power supply by integrating renewables right at the source.

Challenge

Grid Integration

The world increasingly relies on intermittent renewable energy sources like solar and wind power, creating a need for reliable and scalable energy storage solutions.

Low Capacity
Renewable energy sources require storage solutions with high energy density to ensure a consistent power supply.

Heat Stability

Traditional batteries may not perform optimally in hot climates, particularly in regions with limited cooling infrastructure.

Lyten's Solution

Lithium-Sulfur Grid Storage

Lyten's lithium-sulfur batteries are prime to revolutionize stationary energy storage solutions. They facilitate the integration of renewable energy sources like solar and wind power into the electrical grid, storing excess energy and reducing our reliance on fossil fuels.

High Density Lithium-Sulfur

Lyten's lithium-sulfur batteries have high energy density make them ideal for storing large amounts of energy generated from renewable sources, ensuring a consistent power supply even when the sun isn't shining or the wind isn't blowing..

Hot Climate Lithium-Sulfur

Lyten's lithium-sulfur batteries exhibit better stability and performance in hotter climates. This is particularly advantageous in tropical and equatorial regions, where cooling infrastructure may be limited or costly, and where consistent performance in hot weather is critical.

Lyten's Green Concrete: Building a More Sustainable Future

Lyten 3D Graphene™ concrete admixture is revolutionizing the construction industry by enhancing the durability and resilience of concrete.

Challenge

The Carbon Footprint of Cement

Concrete is the foundation of our modern world, yet its production carries a heavy environmental burden. Cement production produced 1.6 billion metric tonnes of CO2 in 2022, accounting for approximately 8% of the world's total. Traditional concrete is also susceptible to degradation, necessitating frequent repairs and replacements, which consume resources and generate waste.

Lyten's Solution

Reduced Carbon Footprint

By decreasing the required amount of Portland cement, our admixture enables a reduction of over 30% in the carbon footprint of performance concrete. This directly combats the high CO2 emissions associated with cement production.

Enhanced Durability and Longevity

Our admixture also enhances the durability of concrete, making structures more resistant to wear and tear, water damage, and corrosion with 2x lower water permeability and 10x lower chloride permeability. This translates to longer lifespans for buildings and infrastructure, reducing the need for repairs, replacements, and the associated environmental costs.

Increased Strength and Resource Efficiency

Lyten's 3D Graphene admixture increases both compressive and flexural strength, allowing for stronger and more resilient structures with less material. Testing shows a >25% increase in concrete compressive strength at 28 days, and a >20% increase in concrete flexural strength at 28 days.

Lyten’s Sensors: Empowering Informed Action

Lyten's sensors empower communities, cities and industries to make informed decisions that promote sustainability and enhance quality of life.

Challenge

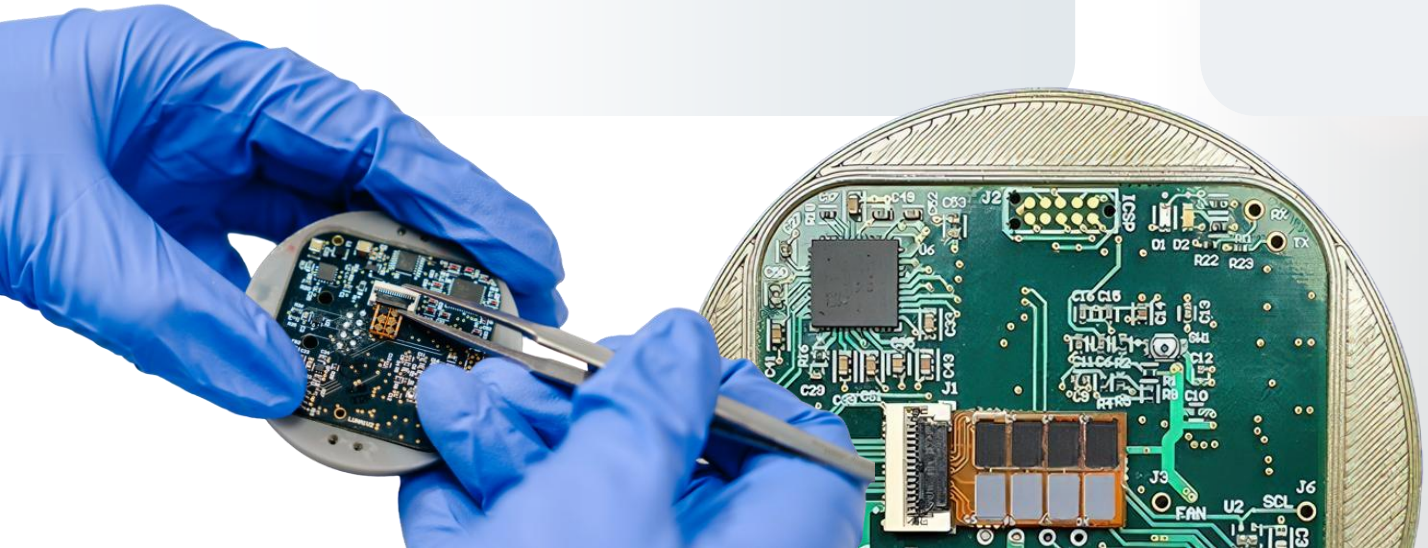
Methane Leaks

Every year, landfills in the US emit 119.8 million metric tons of CO2e of methane, accounting for 17.1 percent of the total U.S. anthropogenic emissions. These emissions often go undetected, and traditional methane detection methods can be costly and lack the precision needed for effective mitigation.

Lyten’s Solution

3D Graphene Sensors

Lyten's 3D Graphene-powered sensors provide real-time, actionable insights into air quality by identifying these methane leaks with unparalleled accuracy. This enables rapid response and repair, preventing the release of potent greenhouse gases into the atmosphere and promoting informed decision-making for a healthier environment. These sensors offer ultra-sensitive detection of multiple gases with a single highly selective sensor, making them adept for monitoring air quality, industrial gas, and chemicals, as well as detecting hidden hazards and safety issues.



Lyten’s Composites: Transforming the Built Environment

Lyten's composites are transforming how we design and build. By enabling significant improvements in performance, efficiency, and environmental impact, Lyten's composites are ushering in a new era of material science. With our 3D Graphene, polymers and composites can be made lighter, stronger, and more sustainable.

Challenge

Composite Weight

Excessive weight in composite materials poses a significant challenge in applications like aerospace, mobility, aviation, and supply chain industries, where minimizing weight is crucial for improving fuel efficiency, reducing emissions, and enhancing overall performance.

Lyten’s Solution

Lightweight 3D Graphene Composites

Our highly tunable 3D Graphene enables the development of lightweight composites without compromising strength. We have successfully reduced weight and plastic usage by more than 50% in applications for the mobility, aviation, shipping and supply chain. Because these reinforced materials can be utilized in countless applications, we can enable even the highest emitting industries to work towards achieving net zero without compromising performance.

Environmental Risks and Opportunities for Lyten

We recognize the importance of environmental stewardship and commit to understanding and managing the environmental risks and opportunities associated with our operations and products. Proactively managing environmental risks allows us to minimize our environmental impact, enhance our resilience, and create long-term value for our stakeholders.

Key Environmental Risks

Water Resilience:
Water scarcity is a growing concern in California and Nevada, where Lyten has a presence. We are committed to proactive water management strategies to ensure the long-term sustainability of our operations. This includes:

- Implementing water-efficient technologies and practices across our facilities.
- Investing in water recycling and reuse systems to minimize water consumption and wastewater discharge.
- Engaging with local water agencies and stakeholders to understand regional water challenges and collaborate on solutions.

Climate Change Adaptation:
Lyten is committed to building resilience and adapting to the changing climate to minimize potential impacts on our operations and supply chains. This includes:

- Assessing the vulnerability of our facilities and infrastructure to extreme weather events and rising temperatures.
- Developing strategies to mitigate the impacts of climate change on our business continuity and supply chain stability.
- Our dedicated Sustainability Committee ensures the integration of climate risk considerations into our strategic planning.

Resource Optimization:
Lyten is committed to responsible resource management and minimizing the environmental footprint of our products. This includes:

- Prioritizing the use of locally sourced materials in our production processes.
- Optimizing our manufacturing processes to reduce waste generation and improve resource efficiency.

Environmental Compliance:
Lyten is committed to complying with all applicable environmental regulations and standards.

Environmental Risks and Opportunities for Lyten

Creating Value Through Environmental Stewardship

Lyten views environmental sustainability as an opportunity to drive innovation and create value for our stakeholders. By proactively managing environmental risks and investing in sustainable solutions, we can:

Drive Innovation:

Addressing environmental challenges inspires innovation and the development of new products and technologies that meet the growing demand for high performance sustainable solutions.

Gain a competitive advantage:

Leading in environmental sustainability can differentiate Lyten in the marketplace and attract investors and customers in regions with rapidly evolving environmental regulation or growing energy demands.

Reduce costs and improve efficiency:

Implementing sustainable practices can lead to cost savings through reduced energy and water consumption, waste reduction, and improved resource and process efficiency.

Attract and retain talent:

Creating a sustainable and responsible workplace attracts top talent and fosters employee engagement and loyalty.

Enhance our reputation and brand value:

Demonstrating our commitment to environmental stewardship strengthens our brand image and builds trust with our employees, partners, customers, investors, and communities.

EHS Management System (EHS-MS)

At Lyten, environmental, health, and safety (EHS) aspects are deeply intertwined with our business practices all the way up to the executive level. As we build our formal environmental, health, and safety management system (EHS-MS), led by the Director of EHS and overseen by our Chief Sustainability Officer, we will ensure that sustainability aspects are considered throughout the plan-do-check-act (PDCA) cycle and that sustainability is part of our management review process. We already have many elements of an EHS-MS in place, and this formalization will enhance our continuous improvement and data-driven decision-making to reach our environmental objectives. More information about employee health and safety programs is available in the Integrity, Safety and Ethics section of this report.

Key Principles and Actions:

Sustainability:
Lyten aligns with relevant United Nations Sustainable Development Goals to integrate sustainability into our business activities. We are committed to reducing our carbon footprint, conserving energy and water, promoting renewable energy, protecting the environment, and fostering the well-being of our communities.

Compliance:
Compliance with applicable local, state, and federal environmental regulations in the areas where we operate is important to our business.

Environmental Aspects, Hazards and Risk Management:
We assess environmental aspects, hazards and risks using various assessment techniques with the goal of ameliorating these risks.

Data Management (Document Control):
We monitor and track various critical EHS metrics, including incidents, corrective actions, and audit findings related to environmental performance.

Continuous Improvement (Environmental Focus):
Using a Plan-Do-Check-Act (PDCA) approach, we identify environmental hazards, manage risks, and drive continual improvement in our environmental performance.

Supply Chain Resilience

Creating Value Through Environmental Stewardship

Lyten is committed to building a sustainable supply chain that minimizes our environmental impact. We manage risks associated with critical materials sourcing by prioritizing a simplified and localized supply chain.

1

Our lithium-sulfur batteries utilize an abundant industrial byproduct, sulfur, as the cathode material, eliminating our reliance on mined critical minerals like cobalt and nickel.

2

This strategic shift mitigates the geopolitical and logistical risks inherent in complex global supply chains while enhancing cost-effectiveness.

3

By minimizing our exposure to volatile commodity markets and reducing transportation distances, we improve overall business risk management.

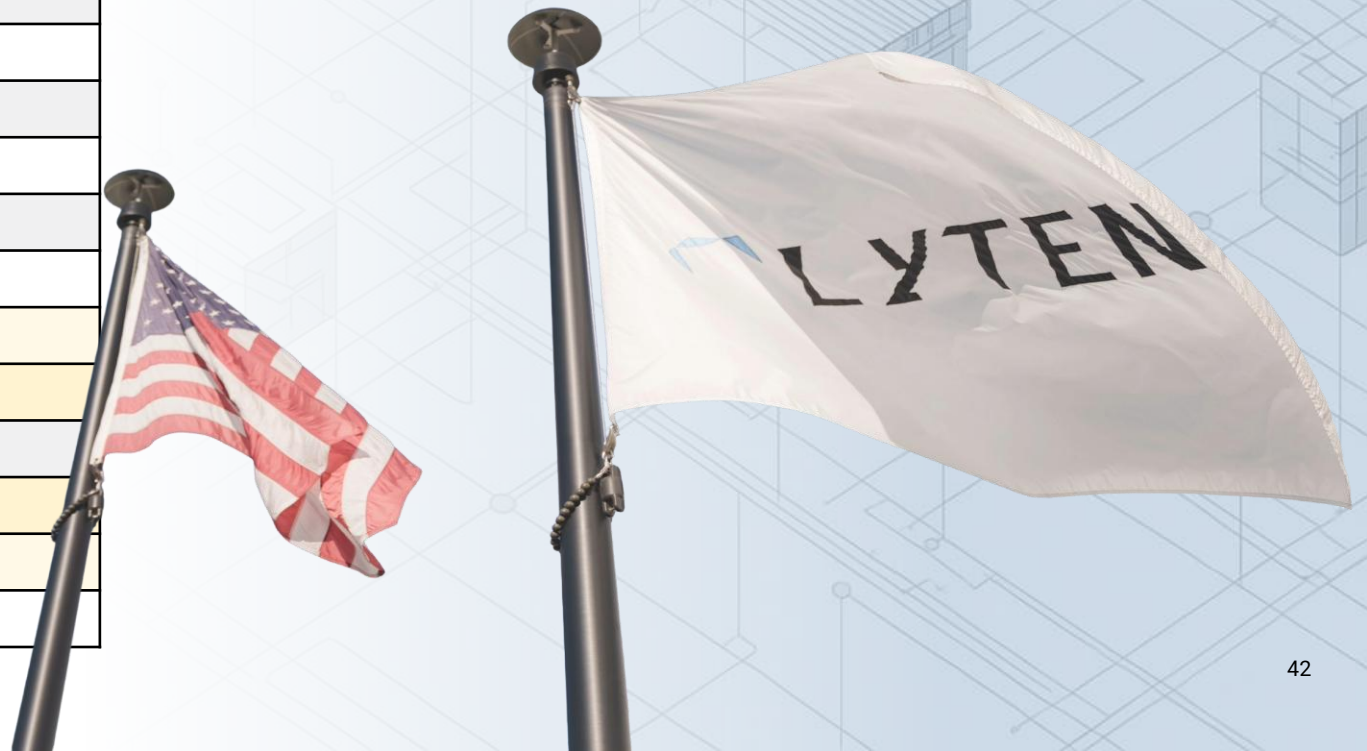
4

Eliminating the need for minerals often associated with human rights violations in extraction reduces ethical supply chain risks.

Supply Chain Resilience

This approach aligns with our commitment to responsible material sourcing and contributes to a more stable and predictable operational environment. From Lyten's foundation in developing clean hydrogen energy to our current battery, sensor, and composite innovations, these sourcing practices ensure Lyten's technological advancements embody our commitment to a more responsible future. See a detailed look into the sourcing for our critical battery components below:

	Cylindrical	Pouch
Top Cap	US Sourced	Not Applicable
Can	US Sourced	Not Applicable
Top Insulator	US Sourced	Not Applicable
Bottom Insulator	US Sourced	Not Applicable
Mylar	Not Applicable	South Korea
Cathode Tab	North America	China
Anode Tab	North America	China
Aluminum Foil	US Sourced	France
Copper Foil	US Sourced	US Sourced
Lithium	North America	North America
Binder	Norway	Norway
Sulfur	US Sourced	US Sourced
Separator	US Sourced	US Sourced
Electrolyte	India	India



Supply Chain Transparency and Traceability

Lyten utilizes a combination of tools and methodologies, including detailed spreadsheets and regular supplier engagement, to tracking and monitoring the flow of materials throughout our supply chain and ensure transparency and accountability in our sourcing practices.

To enhance our supply chain visibility, we have implemented a supplier mapping process that enables us to trace most materials back to their origin. We maintain a database of all our suppliers, including supplier agreements, and plan to continue expanding supplier tracking to include sustainability metrics and performance. For our top-tier suppliers, we have requested and, in some cases, received copies of their ethical supplier agreements, providing additional insights into their sourcing practices. As we scale our operations and expand our lithium-sulfur battery production, we will continue to refine our supply chain tracking and monitoring processes to ensure the highest standards of sustainability and ethics.

Materials Sourcing: Risk Management

Lyten acknowledges the inherent risks associated with sourcing critical materials for our operations. These materials often have limited global supply and are concentrated in countries subject to geopolitical instability. This concentration exposes businesses reliant on these materials to price volatility, supply chain disruptions, and potential human rights or environmental concerns.

Ensuring ethical and sustainable supply chains for these critical materials can be challenging and costly. The potential for sourcing from conflict areas and the depletion of non-renewable resources are significant concerns.

Currently, our primary reliance on critical minerals is limited to lithium. We are actively exploring opportunities to localize the sourcing of lithium and reduce our dependence on potentially vulnerable or unethical supply chains, including through DLE from brines. To promote circular economy, we are looking into lithium recycling options, including doing our own recycling onsite.

Continuous Improvement

Lyten acknowledges that sustainability is an ongoing journey and is committed to continuous improvement in all facets of our business, including product enhancement, manufacturing processes, and governance policies. The company actively seeks feedback from stakeholders as our goals and targets evolve to ensure they remain relevant and ambitious. Lyten is dedicated to maintaining transparency in its annual reporting and disclosing its progress and challenges.

Executive Leadership Team (ELT) Sponsor:

Lyten's Chief Sustainability Officer (CSO) champions continuous improvement across the organization. The CSO plays a critical role in driving initiatives, ensuring alignment with the company's strategic objectives, and fostering a culture of sustainability.

EHS Management Systems:

As the EHS-MS is implemented, Lyten's Environment, Health and Safety (EHS) department will provide a structured approach to continuous improvement in our environmental performance.

Data-Driven Decisions:

We collect and analyze data on our environmental performance to track progress, identify areas for improvement, and inform strategic decisions.

Employee Engagement:

Lyten empowers employees at all levels to contribute to continuous improvement through training programs, suggestion schemes, and a culture of open communication.

Future Plans & Goals

Actively Domesticating Supply Chain

To further enhance the sustainability and resilience of our operations, we are actively pursuing the domestication of our supply chain. By sourcing materials and components from local sources, we can reduce our reliance on insecure battery supply chains, minimize transportation-related emissions, and support local innovation. This initiative will also contribute to greater transparency and traceability within our supply chain, enabling us to better monitor and address potential environmental and social risks. We believe that a localized supply chain is not only more sustainable, but also more secure and adaptable to potential disruptions.

Scaling Production

Lyten's future production expansion in California and Nevada aims to meet growing battery demand while prioritizing environmental and social responsibility. We are committed minimizing waste and water use, sourcing renewable energy, and optimizing production processes. Fair labor practices and workforce well-being remain priorities, and we will continue to select suppliers that align with our standards. To manage costs during this expansion, Lyten plans to leverage innovative manufacturing techniques and optimize the supply chain, delivering sustainable and cost-effective solutions.

Expand Renewable Energy Use

We currently source from San Jose Clean Energy for our renewable power, and we are exploring opportunities to increase our use of renewable energy sources in our operations to further reduce our carbon footprint. This includes exploring opportunities to implement solar panels at our planned battery factory in Reno, Nevada.

Enhance Supply Chain Transparency

Lyten is committed to enhancing transparency and traceability throughout our battery supply chain. We are strengthening our due diligence processes and supplier engagement to ensure that our sourcing practices align with our environmental and social responsibility goals. This includes prioritizing suppliers with low carbon footprints and those who demonstrate a commitment to long-term partnerships and ethical practices. We believe that a resilient and transparent supply chain is essential for ensuring the sustainability and responsible production of our products.

Water Conservation

Lyten is committed to setting and achieving water reduction targets following our 2024 baseline assessment. In the future, we will implement advanced water recycling and filtration systems in our San Jose and Reno facilities, aiming to maximize closed-loop water usage. Continuous improvement in water quality monitoring and stormwater management is a priority, ensuring compliance with evolving regulations. We hope to strengthen partnerships with local water agencies and industry peers to collaborate on sustainable water management solutions and research best available technologies.

Promote Innovation and Collaboration

Lyten's future is rooted in driving sustainable innovation and climate action. We are committed to achieving Net Zero emissions by 2040, aligning with global climate agreements and customer expectations, and will power our operations with 100% renewable energy by 2035. Recognizing that innovation and collaboration are essential, we will invest in sustainable materials and manufacturing processes and partner with stakeholders to accelerate impactful solutions. We will integrate these goals into our business strategy and report our progress, ensuring continuous improvement in our environmental performance.

Integrity, Safety, and Ethics

Responsible Operations

EHS Management System

Lyten is in the process of developing and implementing a formal EHS management system (EHS-MS) which is led by our Director of EHS and sponsored by our Chief Sustainability Officer. The following section outlines our different EHS department initiatives to promote sustainability and safety.

To see our full EHS policy, please see the Appendix.

For detailed information on our environmental management practices, please see the Environmental Stewardship section of this report.

Safety Culture & Leadership

We allocate the necessary resources to support our EHS program and ensure all employees are aware of their roles and responsibilities through comprehensive and ongoing training. We encourage employees to report suggestions or concerns and participate on the Safety Committee, contributing to a culture of safety and environmental stewardship. We regularly review data to identify trends and areas for improvement, ensuring compliance with applicable regulations and internal standards. Periodic audits of our EHS program provide insights into its effectiveness and drive continuous improvement.

Workplace Health, Safety and Well-being

Lyten is dedicated to protecting the health and safety of our employees, contractors, customers, and communities. The safety and health of each Lyten employee is more than a priority; it is a value that is ingrained in the way we conduct our business. As a manufacturing company, we are not only committed to adhering to applicable EHS regulations, but also the expectations established by our business partners. We hold our suppliers accountable to the same strict sustainability standards to which we hold ourselves.

EHS Programs and Training

Comprehensive Training Programs

Lyten's comprehensive and ongoing training programs are designed to equip every employee, from technicians to management, with the knowledge and skills to maintain a safe working environment. The training matrix encompasses a wide array of topics, ensuring that all staff are prepared to identify, assess, and mitigate potential risks. Safety training, coupled with leadership commitment and open communication channels, fosters a strong safety culture where every employee feels empowered to prioritize their well-being and that of their colleagues.

Emergency Preparedness and Response Plans

At Lyten, our emergency preparedness and response plans are intended to minimize adverse impacts to humans, the environment, and our business. They describe the roles and responsibilities of leadership, employees, and internal emergency responders for all types of emergencies that may occur at our facilities. Furthermore, we engage with the local emergency response organizations (Fire Departments and Police Departments) to ensure that we have a coordinated response to emergencies. Our emergency responders go through rigorous annual training and practice drills to ensure they are ready to support the business.

Health and Safety Hazard Identification and Risk Assessment Procedure

We assess environmental, health, and safety aspects, hazards and risks using various assessment techniques with the goal of ameliorating these risks. By leveraging the OSHA hierarchy of controls—elimination, substitution, engineering controls, administrative controls, and protective equipment—we effectively manage workplace hazards. We periodically review our risk portfolio to ensure appropriate corrective and preventive measures are taken.

EHS Programs and Training

Community Safety

Lyten prioritizes community safety by implementing protocols to mitigate potential risks associated with battery manufacturing, including fire, explosion, and water and waste management. Our advanced lithium-sulfur battery chemistry eliminates the need for harmful substances like N-Methylpyrrolidone (NMP), setting us apart from traditional battery manufacturing and significantly reducing potential health risks. We design facilities with advanced safety systems, adhere to environmental regulations, and are committed to responsible resource management.

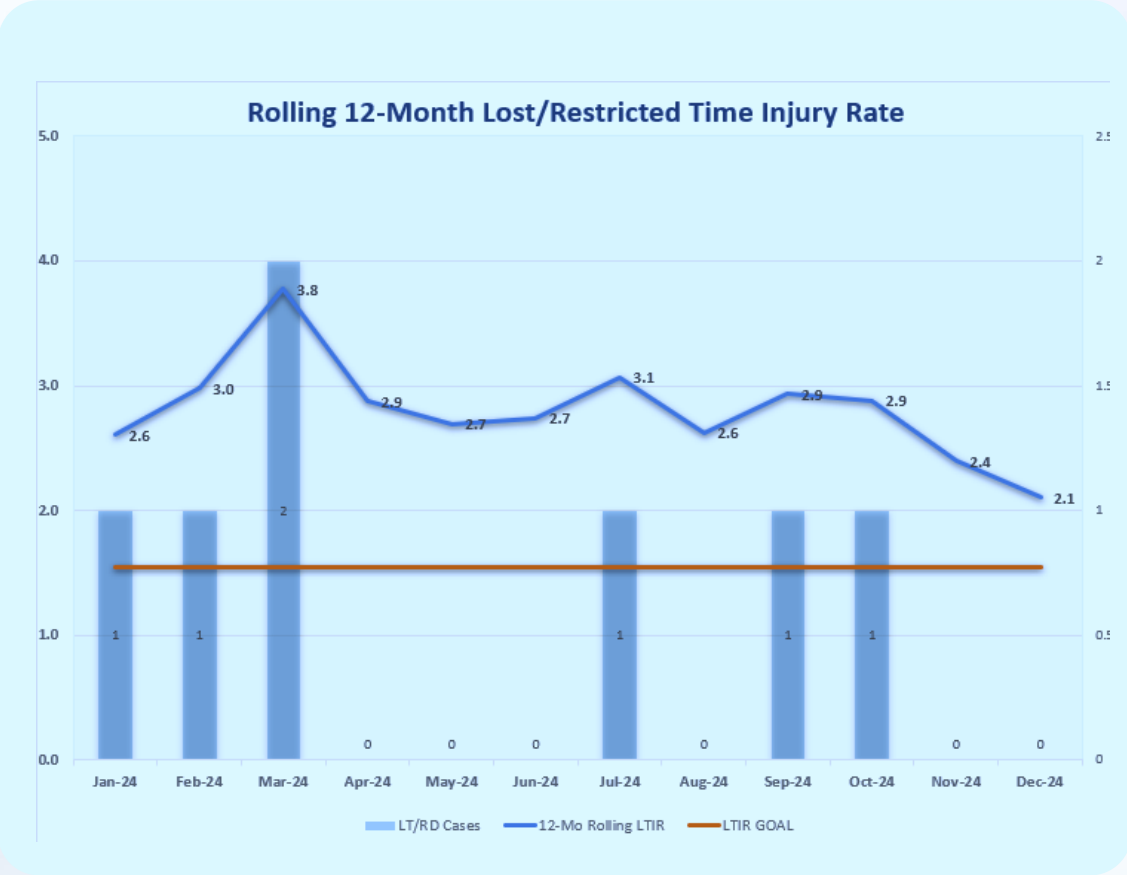
Stakeholder Communication and Engagement

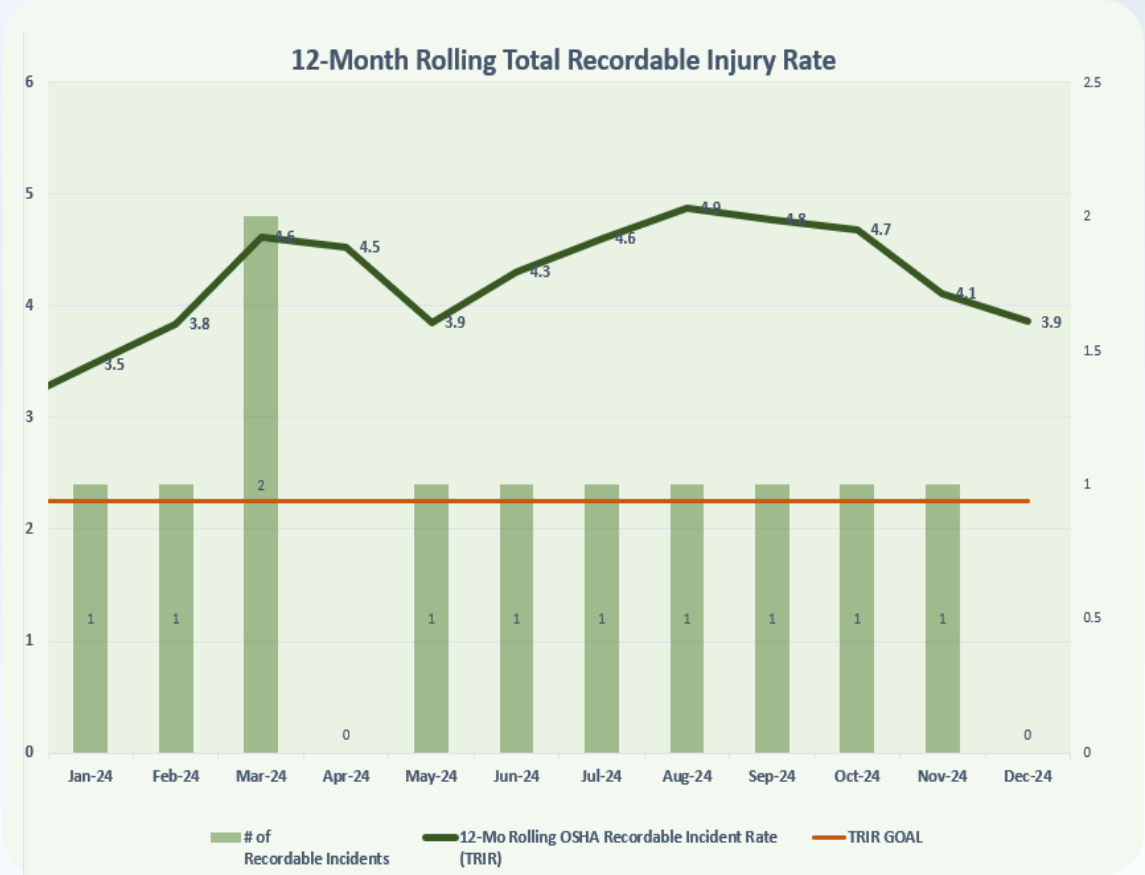
We communicate our EHS commitments and performance to internal and external stakeholders through investor meetings and company-wide communication channels such as all staff meetings. We engage staff through volunteer EHS committees where we solicit their feedback and participation. Employees are encouraged to report concerns and suggestions, fostering a culture of EHS stewardship. Our senior executives ensure EHS policies integrate into all business operations, aligning with corporate goals and relevant UNSDGs.

Mitigating Chronic Health Risks for Our Employees

Lyten is committed to mitigating chronic health risks through robust EHS programs and comprehensive training. We address ergonomic risks by conducting thorough assessments and providing training to minimize musculoskeletal disorders. To control chemical exposures, including those from acetone and alcohol, we utilize rigorous controls such as PPE and ventilation systems, coupled with detailed training on safe handling and hazard communication. We manage noise exposure in high-noise environments through monitoring, engineering controls, and the provision of hearing protection, along with training on noise-induced hearing loss. Our training programs empower employees to identify and mitigate potential health risks, ensuring a safe and healthy work environment. Regular monitoring and assessment of our workplaces allow for continuous improvement in our EHS programs.

EHS Performance Metrics





Actions (LTIR)

- Encourage early reporting
- Improve return to work timelines
- Conduct Ergonomic assessments in high-risk areas
- Assess and manage workplace risks

Actions (TRIR)

- Encourage early reporting
- Conduct ergonomic assessments in high-risk areas
- Assess and manage workplace risks
- Update EHS programs as necessary

EHS: Looking Forward

Looking forward, Lyten is committed to further strengthening our EHS performance. We aim to reduce our TRIR and LTIR to below industry standards. We will achieve this through continuous improvement of our EHS management system, enhanced training programs, and increased employee engagement in safety initiatives. We will maintain our focus on risk management practices to ensure the health and safety of our workforce and the continuity of our business operations.

Continuous Improvement

Our commitment to continuous improvement in EHS is evident in our formal management system, led by our Director of EHS. This system fosters proactive safety culture through employee engagement, comprehensive training, and detailed procedures for hazard identification, risk assessment, and emergency response. We continuously evaluate and enhance our EHS programs, ensuring they remain effective and aligned with best practices. Through regular audits, incident reviews, and feedback mechanisms, we identify areas for improvement and reinforce our dedication to a workplace where safety and well-being are paramount.

Ethical Conduct

Human Rights

At Lyten, we are committed to upholding human rights in our operations. We believe that all workers have the right to a safe and healthy working environment, and that people have the right to be treated with dignity and respect. This principle means we do not tolerate discrimination, harassment, and exploitation in any form. Moreover, we extend our ethical responsibilities to our supply chain, actively collaborating with suppliers to ensure ethical, localized sourcing.

Our commitment to human rights drives our technological innovations. By utilizing sulfur-based battery technology, we avoid the need for critical minerals like nickel, cobalt and manganese, which can be associated with complex ethical and environmental challenges. Our approach reflects our dedication to responsible innovation, aiming to create sustainable solutions that respect both people and the planet.

Community Engagement and Impact

We are committed to respecting the communities where we operate, particularly vulnerable populations. In 2024, we engaged with organizations like the Inter-Tribal Council of Nevada and the University of Nevada, Reno's Office of Indigenous Relations to understand and address community interests. This engagement helps us identify and manage potential risks associated with our operations. Through ongoing dialogue, we aim to understand the rights, histories, and values of local communities.

Lyten's community partnerships focus on addressing challenges faced by underserved populations, prioritizing education, workforce development, and resource accessibility. By collaborating with local organizations and facilitating open dialogue with communities near our proposed facilities, we aim to build trust and establish sustainable, mutually beneficial relationships with all stakeholders.

Employee Well-being and Development

At Lyten, we recognize that our employees are our most valuable assets. We are dedicated to creating a supportive and empowering work environment where every employee can thrive. Our approach to employee support encompasses various aspects of their well-being, including:

Career Development:

We provide opportunities for professional growth and advancement. This includes competitive wages and benefits, as well as investments in employee development through programs like LinkedIn Learning. LinkedIn Learning is an online educational platform offering expert-led courses in business, technology, and creative skills, enabling employees to access a vast library, post completed courses to their LinkedIn profile, and receive personalized recommendations.

Health and Wellness:

We prioritize the physical and mental well-being of our employees. We offer comprehensive health and financial benefits, wellness programs, and access to Modern Health's therapy services to support their overall health.

Work-Life Balance:

We believe in lifelong learning and support employees in their pursuit of further education. Our tuition reimbursement program provides financial assistance to help them achieve their educational goals.

Educational Opportunities:

We believe in lifelong learning and support employees in their pursuit of further education. Our tuition reimbursement program provides financial assistance to help them achieve their educational goals.

A Culture of Recognition and Well-Being:

Lyten's progress in cultivating an inclusive workplace has been recognized through multiple Comparably awards, including:

- Best Company Outlook
- Best Leadership Teams
- Happiest Employees

Expanded Insights

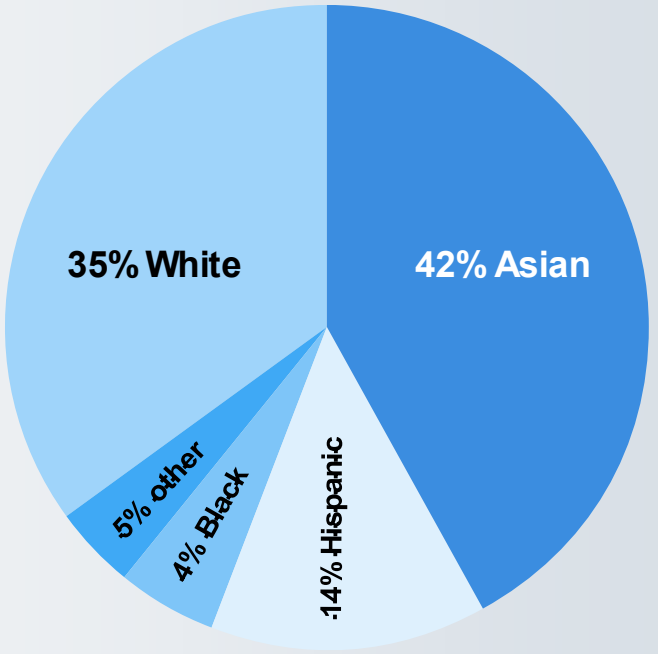
Lyten recognizes the importance of varied perspectives in driving innovation and strategic success, beginning with our leadership. As of 2024, our leadership team (VP+) includes a range of backgrounds and viewpoints, with 24% ethnic minority representation and a 24% female-to-male ratio. Additionally, this leadership includes former leaders from GM, ExxonMobil, the US Air Force, Tesla, NASA, Panasonic, Amazon, and MIT. We are committed to continuing to broaden the range of perspectives within our leadership by actively recruiting talent from various backgrounds and varying levels of experience, which enriches problem-solving across the organization.

In 2025, we are enhancing our efforts to ensure a wide range of viewpoints are heard by launching a comprehensive employee feedback process. This initiative will empower our employees to share their insights and contribute to shaping our operational strategies, ensuring they reflect a broad spectrum of experiences and needs.

To drive innovation, we actively collaborate with organizations such as the Association for Women in Science (AWIS), providing our employees with valuable resources to inspire future generations of women scientists and engineers.

Risk Management

We actively manage social risks related to our relationships with employees, suppliers, customers, and communities, recognizing the potential for human rights abuses and labor disputes within our supply chain. We periodically conduct a top-down risk assessment to identify and prioritize these risks, focusing on value creation, efficiency, competitive advantage, and business risk mitigation. Strategic goals are then cascaded to relevant teams for implementation. We are committed to strengthening our practices to ensure a sustainable and equitable future, continuously monitoring emerging risks and adapting our strategies accordingly.



Gender Representation

Broader workforce:
- 20% female
- 80% male

VP-level and above:
- 24% female
- 76% male

Integrity, Safety, and Ethics: Future Plans & Goals

We are committed to strengthening our community engagement and expanding our contributions to local well-being. Our future plans include:

Enhanced Communication and Stakeholder Engagement

We are committed to transparent and open communication with our stakeholders. We will continue to publish annual Impact reports and explore additional channels to share information about our operations, sustainability initiatives, and social impact. We will also actively seek feedback from our stakeholders, including employees, customers, investors, and community members, to inform our decision-making and future plans.

Strengthening Community Partnerships

We will build upon our existing partnerships with local organizations and seek new opportunities to collaborate on initiatives that address community needs. This includes working closely with local government agencies, such as the City of San Jose, to identify shared priorities and collaborate on projects that benefit our community.

Fostering a Culture of Volunteerism

We will continue to encourage and support employee volunteerism, providing opportunities for our employees to give back to their communities. By empowering our employees to volunteer their time and skills, we can make a positive impact on local organizations and address social issues.

Developing Future Talent

We are committed to investing in the next generation of leaders. We plan to partner with local schools and universities to offer STEM education programs, internships, and mentorship opportunities. By inspiring young people and providing them with the tools and resources they need to succeed, we can help create a more skilled and diverse workforce.

Responsible Business Practice

Our Approach

Lyten is deeply committed to responsible environmental, social, and governance practices, integrating sustainability into our strategy, operations, and products. Led by our Chief Sustainability Officer, our Director of EHS, and guided by our Sustainability Committee, we prioritize strong governance, ethical business conduct, and transparency in our endeavors. This commitment is reflected in our alignment with relevant UN Sustainable Development Goals, as we actively work to reduce our environmental footprint, conserve resources, and promote renewable energy. Each of our departments, including Composites, Batteries, and Sensors, plays a crucial role in achieving these overarching sustainability goals, contributing through both the sustainability benefits of our products and the responsible practices we employ in their production. Our dedication to responsible practices ensures that we contribute positively to the environment, society, and our business.

Lyten's commitment to strong governance and ethical conduct is embedded within a comprehensive framework that guides our actions and decision-making. Our Code of Conduct sets the foundation for ethical behavior, emphasizing honesty, fairness, and transparency. It fosters a respectful workplace, mandates the protection of confidential information, and ensures compliance with all applicable laws. Our EHS Management System formalizes our dedication to environmental stewardship, employee well-being, and workplace safety, driving sustainability, regulatory compliance, and risk mitigation.

Recognizing the broader impact of our value chain, we implement responsible sourcing practices to extend our sustainability commitments beyond our direct operations. We actively engage with suppliers to promote ethical labor standards, environmental responsibility, and transparency. This collaborative approach enhances traceability within our supply chain, enabling us to identify and mitigate potential risks and contribute to a more sustainable battery industry.

Risk Management

Lyten's risk management strategy in the governance area involves a multi-faceted approach to identify and mitigate potential threats to our business operations, compliance, and reputation. We proactively assess risks across various areas, including:

- **Operational Risks:** We identify and mitigate operational risks through rigorous quality control processes, supply chain management, and business continuity planning.
- **Legal and Regulatory Risks:** We maintain compliance with all applicable laws and regulations and monitor changes in the regulatory landscape.
- **Reputational Risks:** We protect our reputation through ethical business practices, transparent communication, and proactive stakeholder engagement.

Our risk management approach involves:

- **Risk Identification and Assessment:** We regularly identify and assess potential risks across all areas of our business.
- **Risk Mitigation:** We develop and implement strategies to mitigate identified risks, including preventive measures, contingency plans, and risk transfer mechanisms.
- **Monitoring and Review:** We continuously monitor the effectiveness of our risk management strategies and adapt our approach as needed.

By proactively managing risks, Lyten aims to ensure business continuity, protect our stakeholders' interests, and enhance our long-term resilience and success.

Management of Legal and Regulatory Environment

Lyten recognizes the importance of constructive engagement with government to advance solutions that address critical environmental and social challenges. We strive to align our innovative product development with national priorities and regulatory frameworks, fostering a collaborative approach to progress.

Our engagement with the Executive and Legislative Branches of the US Federal Government, led by the Executive Vice President for Federal Programs, focuses on identifying and creating opportunities where Lyten's technologies intersect with national needs. This includes:

Strategic Independence:

Supporting initiatives that reduce strategic vulnerabilities, such as promoting domestic production of advanced batteries to ensure a resilient and sustainable energy future.

Public Safety:

Contributing to solutions that enhance public safety, such as the development of advanced sensors for point-of-use detection of harmful substances like Fentanyl, protecting communities and first responders.

Lyten engages in a non-partisan manner, seeking to build bridges and collaborate with stakeholders across the political spectrum. Our goal is to ensure that our technologies and innovations contribute to a more secure, sustainable, and equitable society, aligning with evolving regulatory landscapes and national priorities. We believe that through collaborative engagement, we can effectively address pressing environmental and social challenges while driving positive change.

Stakeholder Engagement

Lyten recognizes that the long-term success of our business and the positive impact we have on our world depends on our ability to meet and exceed the expectations of our stakeholders. We are dedicated to meeting the expectations and interests of our stakeholders, continuous improvement, and continued engagement with our stakeholders.

Lyten's stakeholder engagement process emphasizes the importance of labor practices, product safety, fuel economy and use-phase emissions, materials sourcing, and materials efficiency and recycling. Lyten is committed to engaging with stakeholders on these issues and reporting on our progress in meeting these standards. Lyten also considers the interests of its stakeholders in other areas, such as:

Customer expectations for reduced environmental impact, ethical sourcing, and compliance with regulations.

Investor expectations for ROI, increased shareholder value, and sustainable business practices.

Employee expectations for fair wages, safe working conditions, and a respectful workplace.

Board of Directors' expectations for strong corporate governance, ethical conduct, and compliance with laws and regulations.

Stakeholder Expectations and Interests

Stakeholder	Expectations and Interests
Customers	Reduced environmental impact, ethical sourcing, compliance with regulations, sustainable supply chain, product safety, product quality, battery lifecycle management
Employees	Reduced environmental impact, fair wages, safe working conditions, non-discrimination, respect for human rights, labor rights in the supply chain
Investors	ROI, increased shareholder value, sustainable business practices, long-term value creation, risk mitigation, supply chain transparency, labor practices, GHG emissions, water management
Board of Directors	Strong corporate governance, ethical conduct, compliance with laws and regulations, strategic oversight, risk management, long-term sustainability, shareholder value creation, oversight of environmental, social and governance risks
Management	Effective and efficient operations, achievement of strategic goals, profitability, growth, innovation, employee satisfaction, positive work environment, strong leadership, customer satisfaction and experience
Industry Associations	Advocacy for industry interests, promotion of fair competition, development of industry standards, networking opportunities, information sharing, access to resources and expertise, career opportunities, Adherence to international standards, promotion of sustainable development goals
Partners	Shared values and alignment, transparency and collaboration, sustainable practices, risk mitigation, regulatory compliance, innovation and long-term value, fair business practices, reputational alignment

Future Plans & Goals

Lyten's commitment to sustainability is driven by strong governance. Our plans and goals in this area include:

Elevating Sustainability Committee Oversight

We plan to formalize and empower our Sustainability Committee, expanding its scope and authority. This will ensure robust oversight of our sustainability strategies and performance, enabling us to drive impactful change.

Deeply Integrating Sustainability into Core Business Operations

Our goal is to embed sustainability considerations into all our operations. We will develop and implement specific sustainability performance indicators, integrating them into key decision-making processes and operational workflows.

Advancing Alignment with the UN Sustainable Development Goals (SDGs)

We plan to deepen our alignment with the SDGs by identifying priority goals where we can make the most significant contribution. We will establish measurable targets and transparently track our progress, demonstrating our commitment to global sustainability.

Enhancing Reporting Transparency and Stakeholder Communication

We will increase the transparency of our impact reporting by expanding the scope and detail of our disclosures. This will include providing more comprehensive data on our environmental and social performance, as well as clear and accessible information on our governance practices. We will also enhance our communication with stakeholders, ensuring they have access to relevant and timely information about our sustainability efforts.

*Pictured: A rendering of the planned Lyten gigafactory in Reno, Nevada.

Conclusion

Looking Ahead

As Lyten continues to grow, so does our capacity—and responsibility—to drive meaningful environmental and social transformation. In 2024, we took significant steps in establishing robust sustainability reporting and further embedding sustainability principles into our operations. Scaling our business, operations, and impact means deepening our commitment to sustainability as a core strategic imperative. The launch of our Reno gigafactory represents a pivotal moment for Lyten and the lithium-sulfur battery industry, unlocking unprecedented opportunities to reduce emissions across critical sectors like energy, transportation, aerospace, and defense.

Our commitment to sustainability is not simply a corporate aspiration; it's the driving force behind our innovation. We will continue to advance our sustainability initiatives, enhance our impact reporting, and refine our approach, ensuring that our growth is synonymous with positive change. We extend our gratitude to our employees, partners, and stakeholders who share our vision: a cleaner, more resilient world made possible through technological innovation. Together, we are not just building a company—we are pioneering the materials science and breakthrough technologies that will define a more sustainable future.

Appendix

Reporting Standards and Metrics

Methodologies

This report is Lyten's first Impact Report, representing the baseline year for data collection and reporting. This report was compiled through a collaborative effort between Lyten's Environment, Health, and Safety (EHS) department, Marketing department, Human Resources, our Batteries, Sensors and Composites departments, and outside consultants. The data for this report was collected from Lyten's San Jose, California location, encompassing all operations at that location. Lyten will continue to expand the scope of its data collection and reporting in the years to come.

The report was prepared in alignment with the following reporting frameworks and standards:

- The EPA's Greenhouse Gas Reporting Program (GHGRP)
- The Sustainability Accounting Standards Board (SASB)
- The Amazon Climate Pledge
- The United Nations Sustainable Development Goals (SDGs)

The report has been reviewed by our Chief Sustainability Officer (CSO) and has sufficient oversight from executives and senior management across the company.

Data Collection and Analysis

The data used in this report was collected from a variety of sources, including:

- Internal company data
- Publicly available data
- Data from third-party sources

The methods used to collect and analyze data included:

- Surveys
- Document review
- Statistical analysis

We used this data to calculate our emissions according to the GHGRP, which provides calculation techniques for different types of emissions. While this year was focused on refining our data collection methods, we will use this data to set a baseline to establish future goals and calculate trends and will continue to collect and report sustainability data in years to come.

Sustainability Performance Metrics Table

Category	Subcategory	Unit	Value
GHG Emissions			
	Scope 1	kgCO2e	6,820.49
	Scope 2	kgCO2e	819,973.32
	Total Scope 1 + 2	kgCO2e	826,793.81
Energy			
	Total Energy Use	MWh	6,690.48
	Electricity	MWh	4218.49
	Grid Energy	%	16
	Renewable Energy	%	68.64
	*Non-Renewable Energy	%	31.36
	Fuel (Natural Gas)	MMBtu	8313.4
Water			
	Water Use	Gallons	5,662,164
	Water Use - Industrial	Gallons	1,725,442
	Water Use - Irrigation	Gallons	3,936,722
Waste			
	Total Waste	Lbs	278,451
	Hazardous Waste	Lbs	62,823

*Greensource purchases Renewable Energy Credits (RECs) to offset all carbon-based emissions.

Sustainability Performance Metrics Table

Topic	Category	Subcategory	Unit	Value
Waste				
	Waste		Lbs	278,451
	Non-hazardous waste		Lbs	215,628
	Non-hazardous waste by type			
		Wet	Lbs	98,592
		Dry	Lbs	24,128
		Organic	Lbs	4,860
		Recycling	Lbs	22,320
		Unspecified	Lbs	65,728
		Nonhazardous Waste Recycled	%	10.35
	Hazardous waste		Lbs	62,823
	Hazardous waste by disposal type			
		Incineration and Treatment	Lbs	10,750
		Neutralization	Lbs	375
		Landfill	Lbs	50,070
		Energy Recovery	Lbs	1,494
		Reclamation	Lbs	131
		Metals Recovery	Lbs	30
		Hazardous Waste Recycled	%	2

Workforce Demographics, Health and Safety

Category	Metric	Sub-category	Metric Units	Totals
Demographics				
	Race			
		Asian	%	42
		Hispanic	%	14
		Black	%	4
		White	%	35
		Other	%	5
Gender Diversity				
	Workforce			
		Male	%	80
		Female	%	20
	VP-Level and Above			
		Male	%	76
		Female	%	24
Employee Safety				
	Incident Rate			
		TRIR	Incidents per 100 FTE	3.9
		LTIR	Incidents per 100 FTE	1.8
		Transport Incidents		N/A
	Fatality Rate			
		Direct Employees		0
		Contract Employees		0
Workforce				
	Turnover	Turnover Rate	%	5.6

Policies and Commitments

Lyten is committed to maintaining the highest standards of ethical conduct, integrity, and legal compliance. Our Code of Conduct outlines the principles and expectations that guide our interactions with employees, customers, vendors, and the broader community.

Code of Conduct

- Ethical Business Practices: We prioritize honesty, fairness, and transparency in all our dealings. We prohibit bribery, corruption, and any actions that could compromise our integrity or reputation.
- Respect for Individuals: We foster a safe and inclusive work environment where every employee is treated with dignity and respect. We have zero tolerance for harassment, discrimination, or any form of workplace misconduct.
- Confidentiality and Data Protection: We safeguard sensitive information entrusted to us by the company, our employees, customers, and partners. We adhere to strict data privacy regulations and maintain the confidentiality of proprietary information.
- Compliance with Laws and Regulations: We uphold applicable laws and regulations, both domestically and internationally. We are committed to conducting our business in a manner that promotes fair competition and protects the interests of consumers.

Lyten's Code of Conduct serves as a foundation for our corporate culture, ensuring that we operate with integrity, responsibility, and a commitment to creating a positive impact on the world.

EHS Policy

At Lyten, we are committed to protecting the health and safety of our employees, contractors, customers, and the communities where we operate. We strive to go beyond compliance with regulations, aiming to exceed the expectations of our partners and customers in matters of environmental, health, and safety (EHS). Our dedication to sustainability is reflected in our alignment with relevant United Nations Sustainable Development Goals. We actively work to reduce our carbon footprint, conserve resources, and promote renewable energy. We have set an ambitious goal of achieving Net Zero emissions by 2050, and our senior executives regularly review our EHS governance to ensure we stay on track.

We proactively manage EHS risks by conducting thorough assessments and implementing a hierarchy of controls to mitigate potential hazards. We believe in open communication and actively engaging our employees through EHS committees, encouraging their feedback and participation. We are committed to continuous improvement, utilizing a Plan-Do-Check-Act (PDCA) approach to identify areas for enhancement and track our progress through key performance indicators. We maintain meticulous records and regularly review EHS data to identify trends and opportunities for further advancement.

Our EHS policy is a testament to our dedication to responsible and sustainable operations. We strive to create a safe and healthy workplace while minimizing our environmental impact, ensuring a positive legacy for future generations.

Policies and Commitments Cont.

Responsible Sourcing

Lyten demonstrates its commitment to responsible sourcing through concrete actions embedded in our core operations. We prioritize domestic sourcing of key battery components local to our manufacturing sites, which achieves the following sustainability benefits:

- Prioritization of Localized Supply Chains: Lyten prioritizes the localization of our supply chain whenever feasible. This entails sourcing materials and components from domestic or regional suppliers in proximity to our manufacturing facilities.
    - Rationale: Localized supply chains offer advantages including reduced transportation-related emissions, support for regional economies, and mitigation of geopolitical risks.
- Commitment to High Environmental and Labor Standards: Lyten expects that our suppliers adhere to relevant environmental protection regulations and labor standards. Prioritizing domestic sourcing helps ensure compliance with these standards.
- Emphasis on Ethical Sourcing: Lyten is committed to sourcing materials in an ethical manner, avoiding materials associated with conflict or unethical practices.
- Commitment to Transparency and Traceability: Lyten utilizes tools and methodologies to track and monitor materials throughout our supply chain, ensuring transparency and accountability. – climate pledge commitment.
- Beyond localization: Our 3D Graphene-based lithium-sulfur eliminates the need for conflict minerals like cobalt and nickel, addressing ethical concerns often associated with their extraction. Furthermore, our unique manufacturing process, converting methane into 3D Graphene, minimizes reliance on traditional mining and processing methods, further reducing environmental impact.

Disclaimers

Data Limitations:

- This report contains data from Lyten's San Jose operations for the 2024 baseline year. Data from future operational sites will be incorporated in subsequent reports. Variations and limitations in data collection methodologies may exist.
- The data presented in this report is based on information available as of the report's publication date. Future data collection may result in revisions or updates to the presented information.

Forward-Looking Projections:

- Certain statements in this report relate to future events and expectations, including projections of emissions reductions, production volumes, and technology advancements. These statements are based on current assumptions and are subject to risks, uncertainties, and changes that may cause actual results to differ materially.

Third-Party Data:

- Information provided by third-party sources, including life cycle assessments and industry reports, is believed to be reliable but has not been independently verified by Lyten. Lyten does not guarantee the accuracy or completeness of such information.

Financial Advice:

- This report is for informational purposes only and does not constitute financial advice or an offer to buy or sell securities. Investors should conduct their own due diligence and consult with financial advisors before making investment decisions.

Technological Development:

- The technological advancements and product performance claims in this report are based on current testing and development. Future developments and real-world applications may yield different results.

Regulatory Landscape:

- The environmental and sustainability landscape is subject to evolving regulations and standards. Lyten's compliance and future performance may be affected by changes in these regulations.

Scope 4 Emissions:

- The report references 'avoided emissions' or 'Scope 4' emissions. These are estimates of potential emissions reductions enabled by Lyten's products. Actual emissions reductions will depend on customer usage and industry adoption, which are outside of Lyten's direct control.

Assurance Statements

Reporting Framework Alignment:

- Lyten has prepared this report by drawing from relevant reporting frameworks, including the EPA's Greenhouse Gas Reporting Program (GHGRP) and the Sustainability Accounting Standards Board (SASB) guidance for Chemicals and Fuel Cells & Industrial Batteries.

Life Cycle Analysis (LCA) Review:

- The Life Cycle Analysis (LCA) of Lyten's lithium-sulfur batteries was conducted by EcoEngineers, an independent third-party. EcoEngineers performed a life-cycle analysis of Lyten's battery production process to help provide an understanding of Lyten's lithium-sulfur (Li-S) battery's global warming potential (GWP) and gain an awareness of findings in lithium-ion and battery LCA studies. This report represents the opinion of the EcoEngineers staff specializing in providing services for product LCA.

Ethical Conduct and Compliance:

- Lyten's operations are conducted in accordance with its Code of Conduct, which emphasizes ethical behavior, compliance with applicable laws and regulations, and respect for human rights.

EHS Management System:

- Lyten is developing and implementing a formal Environmental, Health, and Safety Management System (EHS-MS) to ensure compliance with relevant regulations and promote continuous improvement in its environmental and safety performance.

Forward-looking Statements

Future Goals and Targets:

- This report excludes goals and targets related to emissions reductions, renewable energy use, and water conservation.
- Lyten intends on expanding our data collection and reporting to include all operational sites in future reports. We anticipate setting formal, quantifiable sustainability targets following the analysis of baseline data, to be included in the 2025 report.

Production Expansion:

- Lyten anticipates scaling production, like at our Reno gigafactory and other facilities, to meet growing demand for its products. This expansion may lead to short-term increases in emissions, but the company expects long-term environmental benefits.
- Lyten plans to further develop and commercialize our lithium-sulfur battery technology, including exploring recycling capabilities and strategic partnerships for end-of-life management.

Technology Development:

- Lyten is committed to continuous improvement and innovation in our products and processes. The company plans to explore new applications for 3D Graphene and develop advanced sensor technologies for environmental monitoring.
- Lyten will explore opportunities to increase the use of renewable energy sources in our operations, including the potential for on-site solar generation at its Reno facility.

Supply Chain Initiatives:

- Lyten intends to enhance supply chain transparency and traceability, including expanding supplier tracking to include sustainability metrics and performance.
- Lyten is actively pursuing the localization of its supply chain, including exploring domestic sourcing for lithium and other critical materials.

Social and Governance Initiatives:

- Lyten plans to strengthen its community engagement and expand its contributions to local well-being, including enhancing communication with stakeholders and fostering a culture of volunteerism.
- Lyten will formalize and empower its Sustainability Committee, deepen the integration of sustainability into its core business operations, and enhance reporting transparency.