

BRENMILLER'S ESG ANNUAL REPORT

October 18, 2023



FORWARD LOOKING STATEMENTS

This report contains “forward-looking statements” within the meaning of the safe harbor provisions of the Private Securities Litigation Reform Act of 1995 and other federal and Israeli securities laws. Statements that are not statements of historical fact may be deemed to be forward-looking statements. For example, the Brenmiller Energy Ltd., or Brenmiller Energy or the Company is using forward-looking statements when discussing: its commitment to intensify the incorporation of ESG principles throughout its entire operations; that the giga-factory will be in full-throttle by the end of 2023, with capacity to produce up to 4-gigawatt hours (GWh) of thermal energy storage solutions every year; its transition to lean manufacturing and its implications; and its ESG goals for 2023 – 2026. Without limiting the generality of the foregoing, words such as “plan,” “project,” “potential,” “seek,” “may,” “will,” “expect,” “believe,” “anticipate,” “intend,” “could,” “estimate” or “continue” are intended to identify forward-looking statements. Readers are cautioned that certain important factors may affect the Company’s actual results and could cause such results to differ materially from any forward-looking statements that may be made in this report. Factors that may affect the Company’s results and include, but are not limited to, the Company’s planned level of revenues and capital expenditures, the demand for and market acceptance of its products, impact of competitive products and prices, product development, commercialization or technological difficulties, the success or failure of negotiations and trade, legal, social and economic risks and the risks associated with the adequacy of existing cash resources. The forward-looking statements contained or implied in this report are subject to other risks and uncertainties, many of which are beyond the control of the Company, including those set forth in the Risk Factors section of the Company’s Annual Report on Form 20-F for the year ended December 31, 2022 filed with the SEC on March 22, 2023, filed with the U.S. Securities and Exchange Commission (“SEC”), which is available on the SEC’s website, www.sec.gov. The Company undertakes no obligation to update these statements for revisions or changes after the date of this report, except as required by law.

IN THIS REPORT



A MESSAGE FROM OUR CHAIRMAN & CEO

I'm proud to introduce Brenmiller Energy's second ESG (Environmental, Social, and Governance) report.

This document underscores our unwavering commitment as we intensify the incorporation of ESG principles throughout our entire operations. From thoughtful selection of materials and equipment to the meticulousness of our manufacturing methods and stringent safety measures at our partnered sites, our dedication to ESG remains unyielding.

At the heart of Brenmiller Energy's mission is accelerating the global transition to a more sustainable future. My three-decade experience in the renewable energy sector has solidified my belief: thermal energy storage is pivotal to harnessing the immense capabilities of renewable resources.

In our rapidly adapting world, the necessity for on-demand, sustainably-sourced heat generation is more vital than ever. With our thermal energy storage, we bridge gaps, ensuring consistent heat even when natural sources of power are intermittent, thus facilitating the industrial and power sectors in their pivot to renewables.

Our goal remains unwavering – to offer a smart, cost-efficient, and sustainable thermal energy storage solution, a cornerstone in the journey bid for decarbonizing power and heat production. We stand at a transformative moment in the industry. The escalating demand for thermal energy storage, intensified by corporate ESG goals and decarbonization endeavors, paired with the climate crisis E, underscores the vital nature of our contributions.

Answering this call, we are forging ahead with a landmark venture – constructing the world's premier thermal energy storage giga-factory in southern Israel, with the financial backing of the European Investment Bank. The production lines expected to be operational by the end of 2023 and a planned ramp-up of the Company's production line during 2024 reaching a capacity of up to 4 GWh of TES modules annually.

As we envision Brenmiller Energy standing tall as a global vanguard in thermal energy storage solutions, we recognize that our purpose surpasses conventional business objectives.

I therefore invite you to delve into our ESG report to understand the lengths we are going towards realizing this aspiration.

Avi Brenmiller
Chairman of the Board of Directors & CEO
Brenmiller Energy Ltd.

→ CHAPTER 1
COMPANY SUMMARY

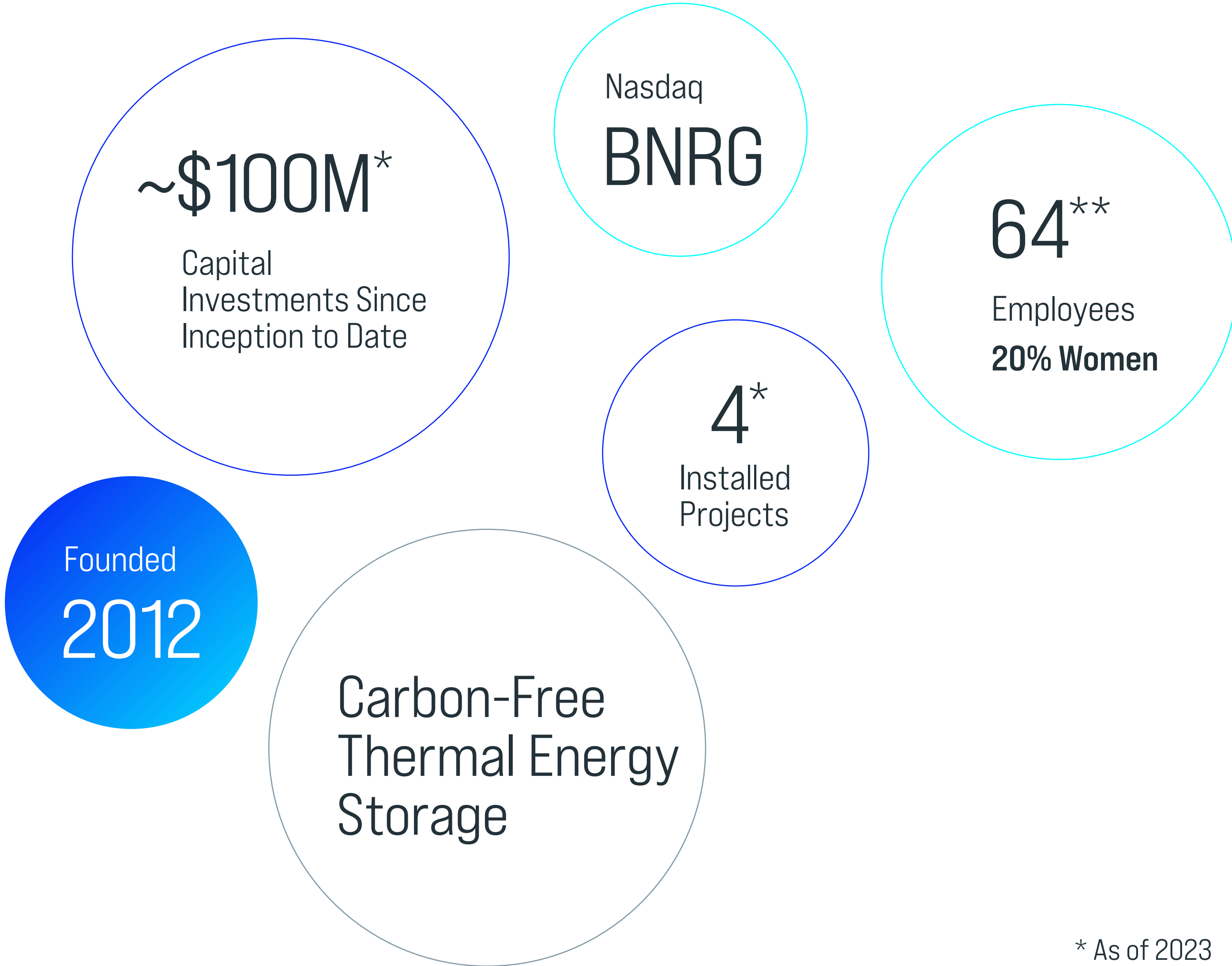


INTRODUCING BRENMILLER ENERGY

PIONEERING A SUSTAINABLE FUTURE

Brenmiller Energy Ltd. (“Brenmiller Energy” or the “Company”) delivers scalable thermal energy storage solutions and services that allow customers to cost-effectively decarbonize their operations.

It’s patented bGen™ thermal storage technology enables the use of renewable energy resources, as well as waste, to heat crushed rocks to very high temperatures. The heat can be stored for minutes, hours, or even days before using it for industrial and power generation processes. With bGen™, organizations have a way to use electricity, biomass and waste to generate the clean steam, hot water and hot air in order to mold plastic, process food and beverages, produce paper, manufacture chemicals and pharmaceuticals or drive steam turbines without burning fossil fuels.



* As of 2023
** Data as of Dec, 2022

INTRODUCING BRENMILLER ENERGY'S PRODUCT

FIGHTING CLIMATE CHANGE

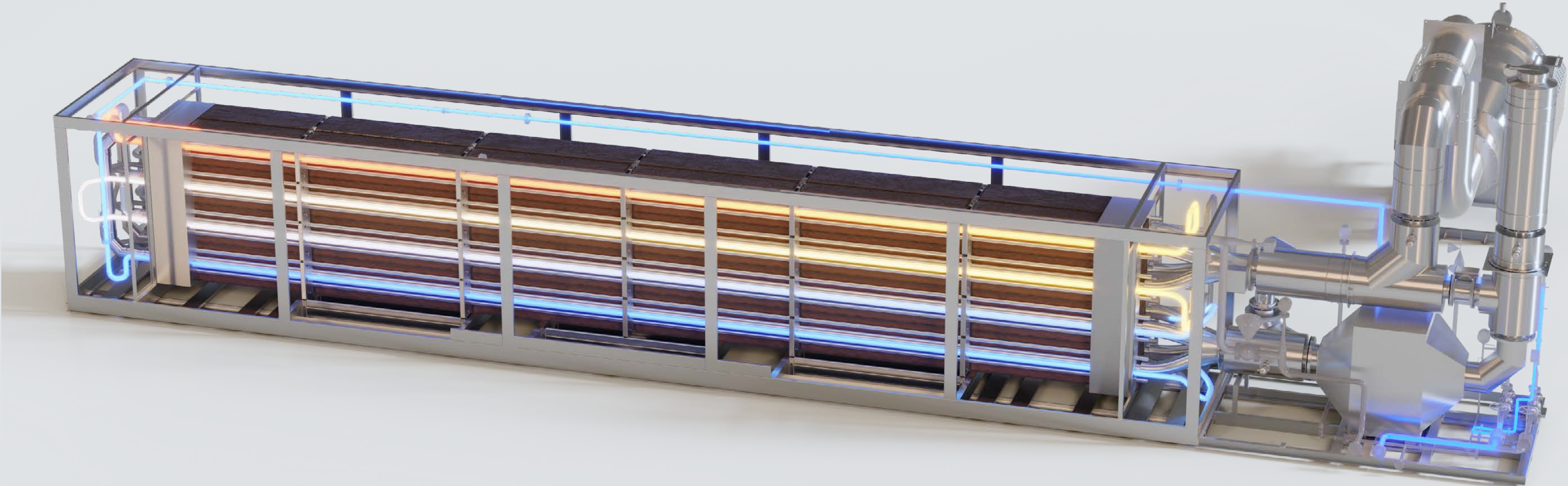
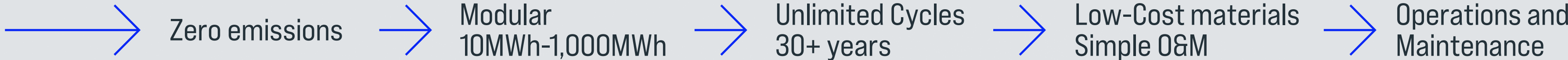
bGen™ ZERO

Power-to-Heat Thermal Energy Storage

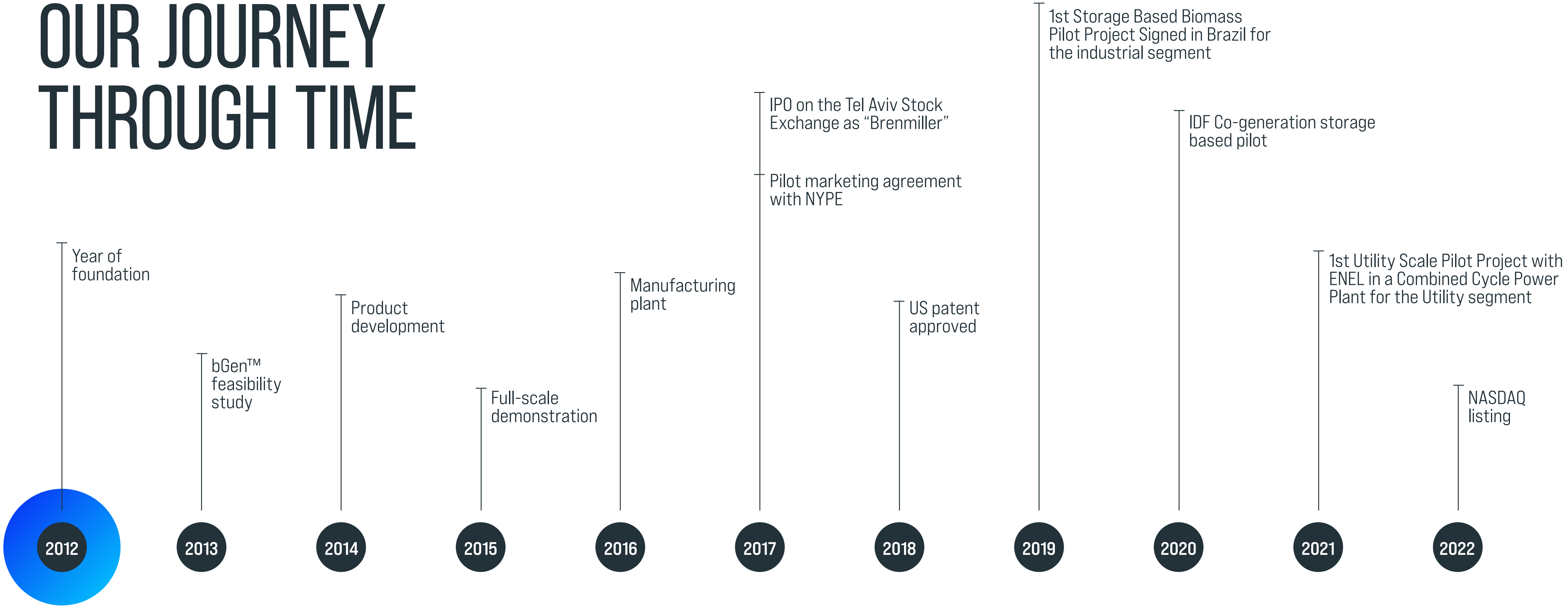
Enables electrification of heat

Enables the use of intermittent resources to provide stable reliable heat

Utilizes and supports the electricity grid



OUR JOURNEY THROUGH TIME



2023

- Term sheet to form a joint venture signed with European renewable energy developers Green Enesys Group and Viridi, leading companies that develop and deploy giga-scale renewable energy projects worldwide, beginning in Spain, Germany, and France.
- Launched bGen™ ZERO, our new flagship product, which offers considerable improvements and serves our strategic focus to help replace and eliminate the use of fossil fuel boilers for power by providing industrial manufacturers with electric process heat.
- Received final government approval towards an approximately \$3.7 million equipment purchase from Wolfson Hospital, marking what would be the first sale for bGen™ ZERO, which was launched in August 2023.
- Advanced discussions with a global renewable energy giant to identify and develop 9 joint projects totaling 2 GWh of TES capacity; synergy would bring Brenmiller's storage technology together with the partner's financing, construction, and renewable generation capabilities.
- Entered renewable energy market in India through recent signing of a memorandum of understanding with Waaree Energies, a local utility and the largest solar panel manufacturing company in India.
- Inaugurated the largest TES system production plant in the world in Dimona, Israel; at capacity, the facility will produce up to 4 GWh of bGen™ and bGen™ ZERO systems per year.



→ CHAPTER 2
UPDATED ESG COMPONENTS FOR 2022



A large, white, stylized letter 'E' is centered within a blue circular graphic. The graphic consists of several concentric circles of varying shades of blue, creating a target-like effect. The background of the entire page is a solid blue color.

E ENVIRONMENT

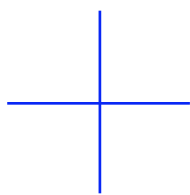
GREEN INITIATIVES: SUSTAINABLE PRODUCTION ENVIRONMENT

Brenmiller Energy develops and supplies sustainable thermal energy storage solutions. Its vision is to enable the penetration and utilization of renewable energy into various industries, using its proprietary TES technology. Although its business activities have a low environmental impact, the company is committed to creating, preserving, and delivering products that ensure environment preservation and aim for impact mitigation.

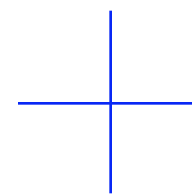


CHARTING THE COURSE TO NET-ZERO EMISSIONS AND BEYOND

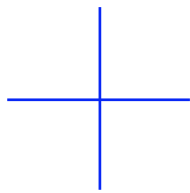
Brenmiller Energy's primary objective is to provide solutions to enable its customers to minimize their ecological footprint by markedly reducing their greenhouse gas (GHG) emissions.



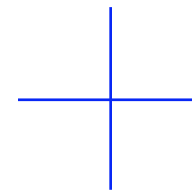
This aligns with the goal of enabling them to meet net-zero emissions targets. As a testament to this commitment, Brenmiller Energy continuously refines its operational processes, manufacturing techniques, and product designs to mitigate environmental harm.



A reflection of this commitment is evident in the design and longevity of their storage systems. Built to last over three decades, these systems are crafted from sustainable materials that are fully recyclable.



Furthermore, Brenmiller Energy implements various strategies in its production processes to minimize its own carbon footprint, aiming to create a positive environmental impact not just for its customers, but throughout its operations.



WORLD'S FIRST GIGAFACTORY FOR THERMAL ENERGY STORAGE



Dimona Israel Production Facility to Manufacture bGen™ and bGen™ ZERO: Brenmiller inaugurated its TES gigafactory in Dimona, Israel on May 2, 2023 and to the Company's knowledge, it is the world's first TES gigafactory.



The new facility serves as Brenmiller's primary manufacturing hub for its bGen™ and next-generation bGen™ ZERO with production lines expected to be operational by the end of 2023 and a planned ramp-up of the Company's production line during 2024 reaching a capacity of up to 4 GWh of TES modules annually.



European Investment Bank credit facility funding capital expenditure for automated factory and increasing production capacity.

BRENMILLER ENERGY'S TRANSITION TO LEAN MANUFACTURING



As of now, our factory's production framework is structured and driven by the principles of lean manufacturing.



Brenmiller Energy, in its ongoing commitment to enhancing operational efficiency and delivering superior value to its customers, has embarked on a transformative journey by adopting lean manufacturing principles.



Brenmiller Energy's shift to lean manufacturing focuses on the systematic elimination of waste across all production processes and creating a streamlined workflow. This transition not only underscores Brenmiller Energy's dedication to producing high-quality products in a timely manner but also its pursuit of continuous improvement. By leveraging lean methodologies, Brenmiller Energy anticipates significant reductions in lead times, increased productivity, and a strengthened position in the competitive thermal energy storage market.

CRUSHED ROCKS, REFINED PROCESSES: BRENMILLER ENERGY'S PATHWAY TO ENVIRONMENTAL EXCELLENCE

Brenmiller Energy has long been at the forefront of sustainable and efficient energy solutions. A pivotal element in their production process is the use of crushed rocks, which undergo a meticulous natural drying procedure inside greenhouses. This method harnesses the sun's power, eliminating the need for energy-intensive drying processes and reinforcing Brenmiller Energy's commitment to eco-friendly practices.

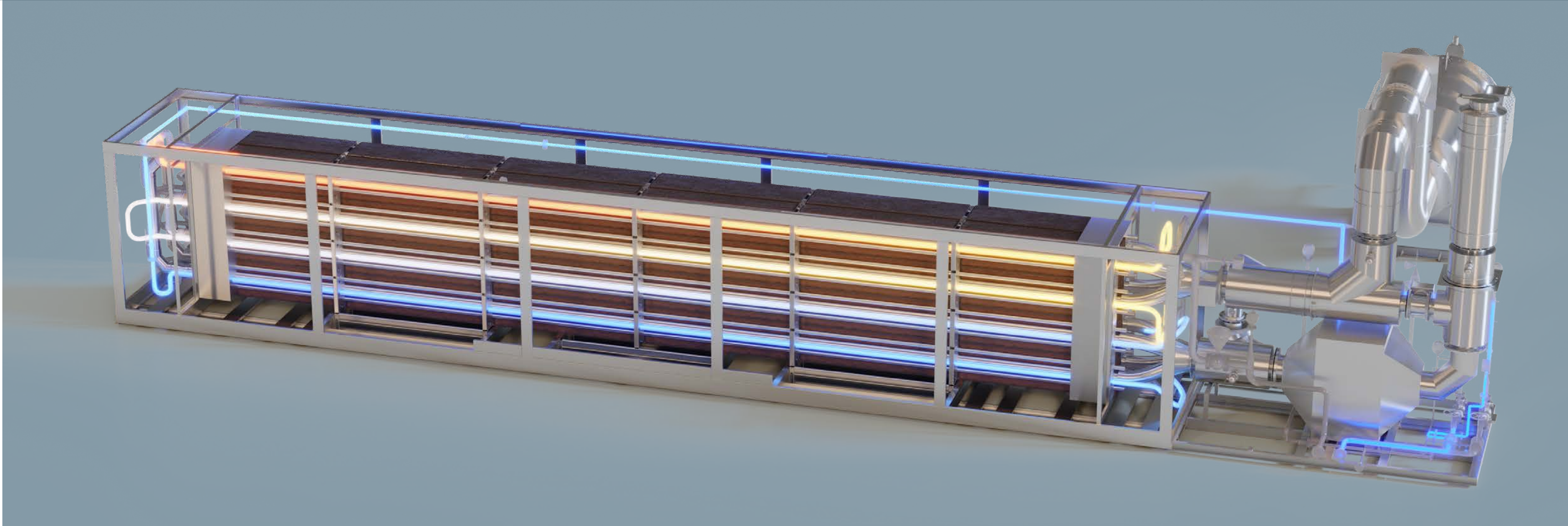
- 1 Rocks are crushed to small bits
- 2 Thin metal cells ("bCells") are filled with the crushed rocks bCells are stacked in to 12 meters modules
- 3 Electrical heaters are embedded Modules are assembled on-site to a structure
- 4 Structure is insulated and connected to plan

In response to challenges associated with dust produced from the movement of these crushed rocks, Brenmiller Energy took a proactive step. Within its contemporary factory setting, it integrated a cutting-edge dust collection system. The system isn't just about cleanliness; it's about sustainability and efficiency. By capturing the dust produced during operations and recycling it back into the production stream, the Company ensures minimal waste. With the bCell's capabilities, it's estimated that the system can absorb an impressive 100 grams of dust, accumulating to approximately 36 kg every hour.

The introduction of this system symbolizes more than just technological progress for Brenmiller Energy. It's a testament to their unwavering dedication to environmental stewardship. By reducing waste, reusing materials, and leveraging sustainable drying methods, Brenmiller Energy is proud of its green manufacturing process.



ENERGY SAVING AND CIRCULAR ECONOMY



In 2021, our operational energy consumption was registered at 22,208 giga joule (GJ) for full production. Following modifications to the Dimona facility [that are expected to be completed by the end of 2023], this figure is projected to reduce to 7,920 GJ.

Importantly, the energy use within the Company's administrative operations remains minimal and saw no significant changes compared to 2021. This energy conservation translates into a marked reduction in greenhouse gas emissions under Scope 2, decreasing from **3,068* tons CO2** - in 2021, to **1,094* tons CO2 in the new production line, a three-fold reduction in operational emissions.**



*based on 100% production capacity calculation



S SOCIAL

**SHAPING THE FUTURE
WITH
BERNMILLER
ENERGY
EMPLOYEES
SOCIAL**



CULTIVATING EXCELLENCE:

BRENMILLER ENERGY'S COMMITMENT TO A NURTURING AND EMPOWERING WORKSPACE

At Brenmiller Energy, the well-being and growth of our workforce is are more than just corporate objectives; they are core values deeply ingrained in our operational ethos. The Company is unequivocally dedicated to establishing a workspace that exudes health, safety, and warmth, ensuring that every employee feels valued and protected. Recognizing that a nurturing environment is foundational to professional excellence, Brenmiller Energy promotes and aims to sustaining a top-tier professional setting. Our comprehensive approach to workplace wellness extends beyond physical safety, delving into the nuances of creating a positive, motivating, and collaborative atmosphere.

This unwavering commitment does more than just protect our staff it serves as a catalyst, inspiring and empowering every individual to tap into their talents, innovate, and realize their highest potential. By intertwining safety with professional growth, Brenmiller Energy not only paves the way for outstanding organizational achievements but also champions the personal success stories of its dedicated team members.

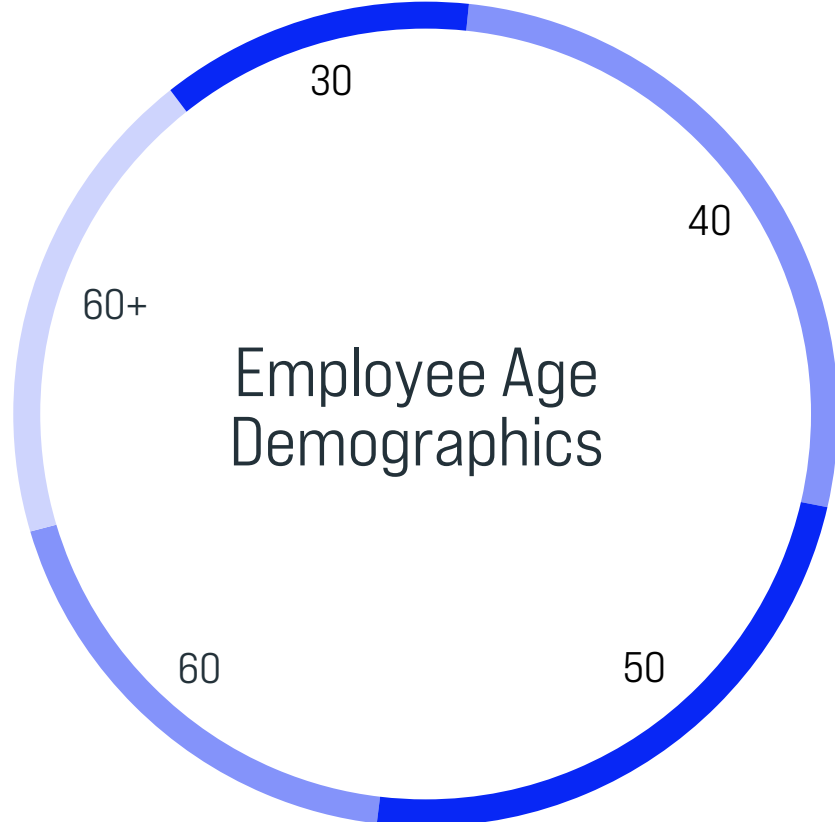
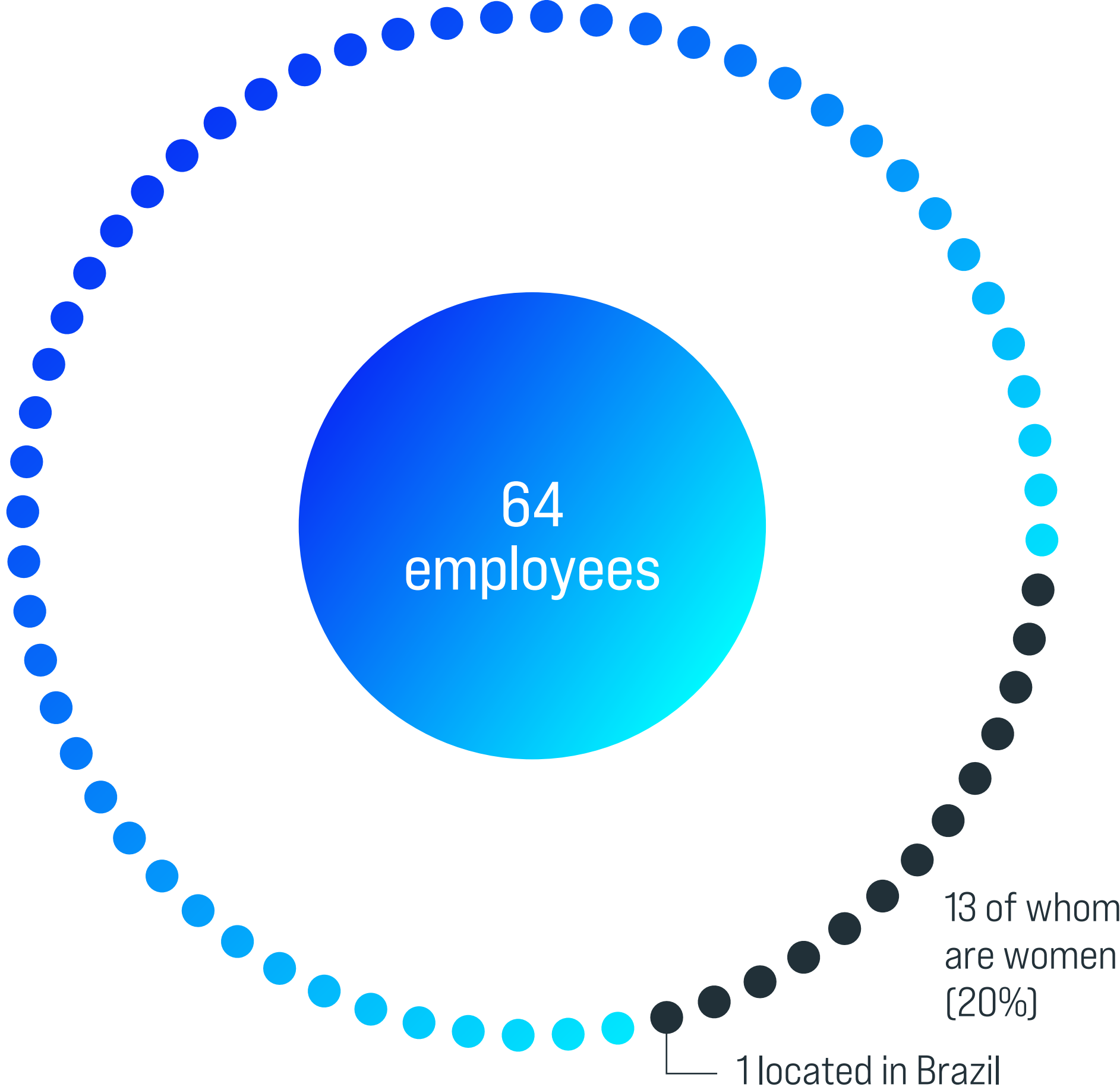


EMPLOYEE DATA OVERVIEW

The ethos of Brenmiller Energy is deeply rooted in the principles of equality, diversity, and inclusiveness. The Company operates under a strict code of maintaining an environment that is free from prejudice and discrimination.

It's not just about checking off boxes related to statutory obligations; it's about creating a workspace where every individual, regardless of their background, feels seen, heard, and equally valued. Brenmiller Energy takes pride in its proactive measures that uphold the principles of fair employment, striving for a rich tapestry of diverse talents, all harmoniously contributing to the shared mission and vision of the company.

Brenmiller Energy is proactively striving to improve its gender diversity through targeted recruitment initiatives. It is essential to emphasize that there is a noticeable underrepresentation of women in the engineering industry in Israel. However, the company remains steadfast in its commitment to enhancing gender diversity across all facets of its operations



* Data as of Dec, 2022

SKILL-BUILDING FOR THE FUTURE: EMPLOYEE TRAINING AT BRENMILLER ENERGY

Brenmiller Energy, with a deep-seated commitment to upholding the highest standards of integrity and corporate responsibility, has proactively invested in targeted training initiatives for its employees on critical ethical, social and regulatory issues. Recognizing the importance of creating a safe, transparent, and ethical work environment, the Company offers regular training sessions on subjects like sexual harassment, insider trading, bribery, corruption, and other pertinent compliance topics. These programs are meticulously designed to ensure that all team members, regardless of their roles, are well-versed in both the legal implications and the Company's own ethical guidelines on these matters. Through this rigorous educational approach, Brenmiller Energy underscores its dedication to fostering a workplace that is not only compliant with laws but also anchored in values of respect, integrity, and accountability.

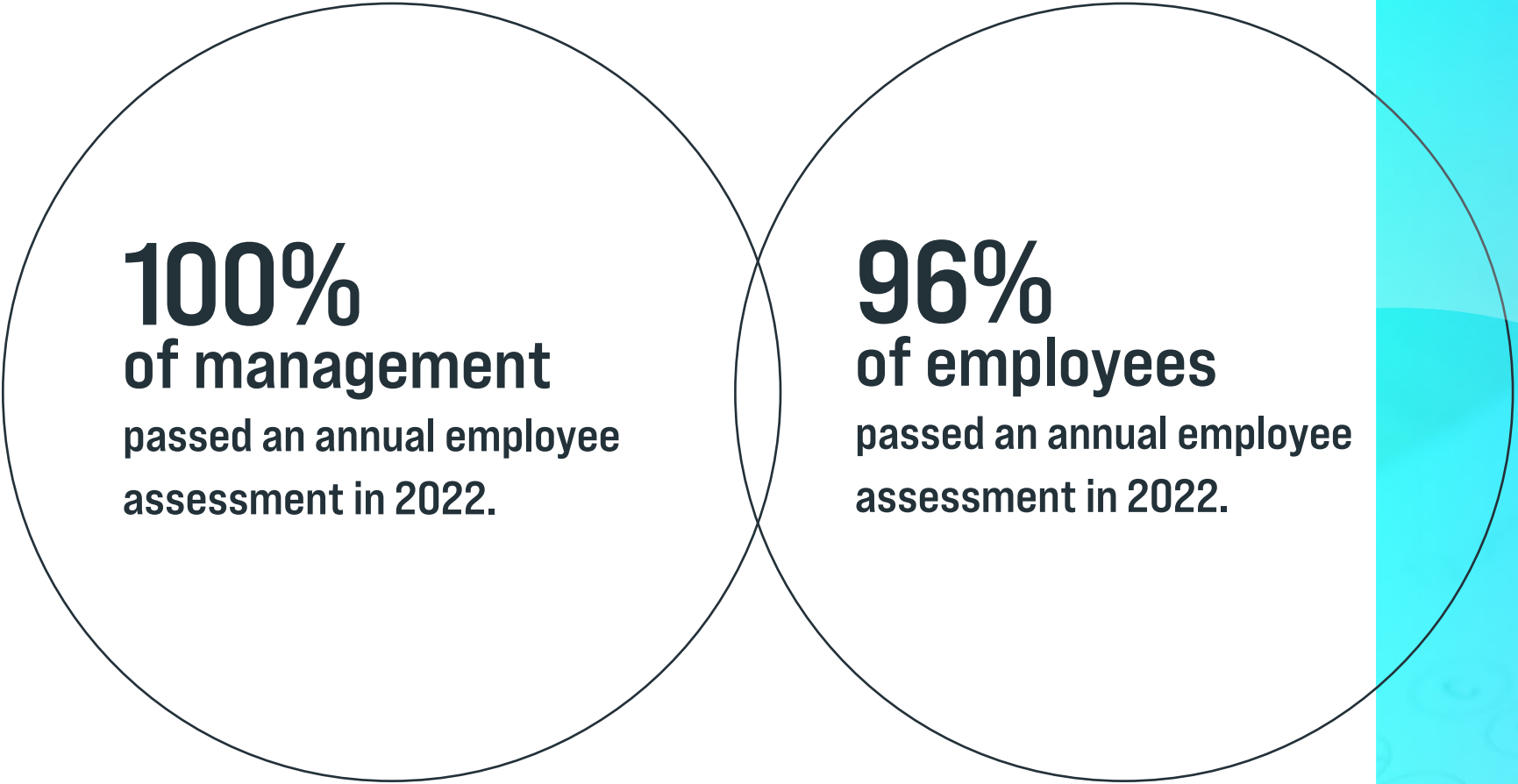
At Brenmiller Energy, we take regulatory compliance and employee training seriously. We are proud to announce that 100% of our employees have undergone comprehensive training on key regulatory topics, reinforcing our commitment to upholding the highest standards of integrity, professionalism, and accountability in every facet of our operations.

In 2022, Brenmiller Energy built training programs for its employees with an average training time per employee of 3.3 hours (excluding Excludes factory safety trainings, which are conducted frequently).

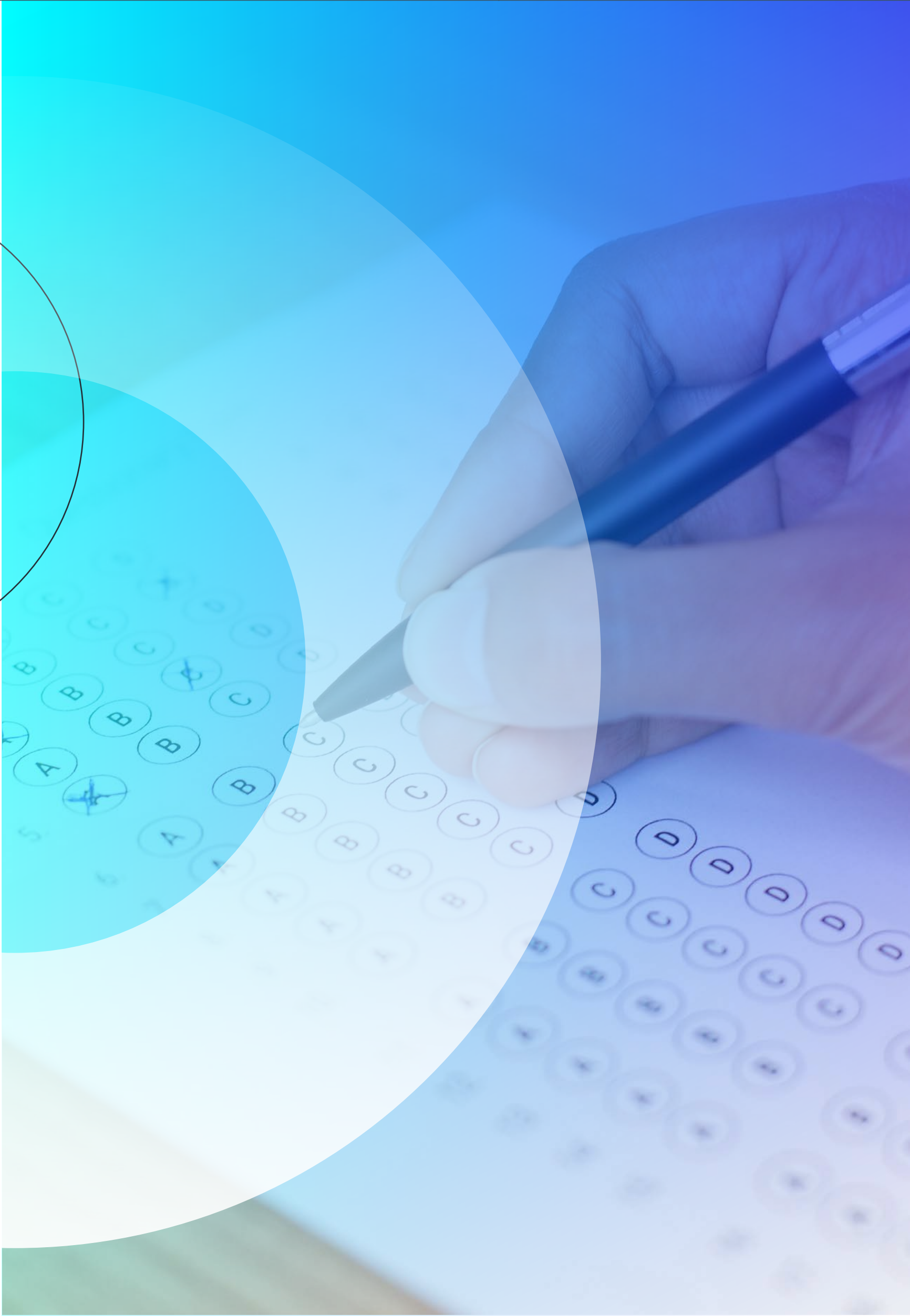


ANNUAL PERFORMANCE AND FEEDBACK ASSESSMENTS

Employee satisfaction is a pivotal factor in the overall health and success of any organization. When employees feel valued, heard, and engaged, they are more likely to demonstrate higher levels of commitment, productivity, and loyalty to the company. A satisfied workforce can lead to lower turnover rates, increased morale, and a positive company culture. Investing in the well-being and contentment of employees is not just beneficial for the individuals, but it's also a strategic move that can drive better business outcomes and foster a thriving work environment.



We are committed to fostering an open and reciprocal communication between our leadership and team members. Annually, we facilitate evaluations for both employees and management to ensure continuous growth and understanding.

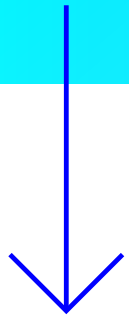


SAFEGUARDING THE FUTURE: BRENMILLER ENERGY'S COMMITMENT TO SAFETY



SAFETY – A GOAL OF ZERO WORKPLACE INCIDENTS

Safety is paramount at Brenmiller Energy. Recognizing the intricate nature of its operations and the inherent risks associated with industrial production, Brenmiller Energy places an unwavering emphasis on the welfare of its workforce. The Company believes that a secure working environment is foundational not only to employee well-being but also to the overall productivity and efficiency of the manufacturing process. By investing in safety protocols and continuous training, Brenmiller Energy underscores its commitment to upholding the highest standards of occupational health and safety, reinforcing the trust and loyalty of its dedicated team.



We are compliant with the “ISO 45001:2018 - Occupational Health and Safety Management Systems” standards. Our health and safety work plan and policy are crafted to prioritize employee health and prevent workplace accidents.

We recognize the heightened injury risks faced by our manufacturing plant workers. Therefore, in 2021, we initiated a comprehensive risk assessment of our plant’s health and safety vulnerabilities. The assessment was completed in 2022 and was also used for the new factory.

Our health and safety protocols clearly lay out the roles and responsibilities for enforcement, the key performance indicators to track our safety performance, and the overarching company procedures. Our primary objective is to establish an injury-free environment. All employees undergo an annual safety training as a standard procedure.



SAFETY – A GOAL OF ZERO WORKPLACE INCIDENTS

At our headquarters, all employees undergo annual safety training as a standard procedure.

Furthermore, our manufacturing plant staff receives daily training on essential safety protocols and undergo weekly evaluations on machinery operations and processes.



In its new factory, Brenmiller has instituted a range of safety measures to protect workers both during production and more broadly. Among these measures is the integration of a dust collection system, and the establishment of the production line as a “clean line” to shield workers from harmful substances. The manufacturing area mandates the use of personal protective equipment, such as masks, goggles, and shoes. Sterile pathways have been put in place, with flooring distinctly colored to match the factory’s layout. Additionally, a centralized control room actively monitors all activities, prioritizing worker safety.

Over the past year, Brenmiller Energy’s factory has experienced major renovations and transformations, as highlighted in the Company’s recent publications. This proactive approach has led to an impressive safety record with no reported incidents in 2022. Brenmiller is deeply committed to the well-being of its workforce, consistently monitoring safety occurrences with an ambition to maintain a workplace entirely free from safety accidents.





GOVERNANCE

GUIDED BY EXCELLENCE:

**BRENMILLER ENERGY'S
GOVERNANCE PRINCIPLES
CORPORATE GOVERNANCE**



TRANSPARENT GOVERNANCE AND ETHICAL BUSINESS PRACTICES



Brenmiller Energy's leadership, including the management and board of directors, is dedicated to conducting operations with clarity and efficiency to serve the best interests of all stakeholders. Recognizing that open communication with both internal and external stakeholders fosters enhanced auditing processes and minimizes risks, transparency remains a paramount value. Both the management and board champion an innovative, transparent, and effective corporate culture to propel the Company towards its strategic objectives.



OUR BOARD OF DIRECTORS*

Brenmiller Energy's board of directors (the "Board") holds the pivotal role of overseeing the Company's business endeavors, ensuring the effective execution of its strategy, and safeguarding the interests of all stakeholders.

The Bboard functions both through comprehensive plenary sessions and targeted committee meetings. It maintains two specialized committees: an audit committee and a compensation committee. The audit committee supervises the Company's business and financial practices, while the compensation committee oversees various functions, including matters concerning company officers.



Avraham "Avi" Brenmiller
Chairman of the board, CEO and founder



Doron Brenmiller
Director, CBO and founder



Nir Brenmiller
Director, COO and founder



Boaz Toshav**
Director



Ziv Dekel
Independent Director



Nava Swersky Sofer
Independent director



Eitan Machover
Independent director



Chen Franco-Yehuda
Independent director

* As of 2023

**Boaz Toshav replaced Yoav Kaplan during the year 2023

A STANDARD-BEARER FOR ETHICAL BUSINESS PRACTICES



* Data as of Dec, 2022

RISK MANAGEMENT OVERVIEW

Risk management is an essential element in guiding Brenmiller Energy's business practices and operations. The responsibility for risk management at Brenmiller Energy rests with both the Board and the executive management team. Each executive oversees the risks pertinent to their domain, subsequently reporting to both the CEO and the Board.

Key Risks at Brenmiller Energy Include*:

Financial considerations 	IT and cybersecurity threats 	Potential for fraud and embezzlement 
Supply chain disruptions 	R&D challenges 	Safety 
Sales and marketing dynamics 	Regulatory and legislative changes 	ESG 

* You should read the "Risk Factors" section in our most recent annual report on Form 20-F for the fiscal year ended the risk factors related to our business operations.

A STANDARD-BEARER FOR ETHICAL BUSINESS PRACTICES

Brenmiller Energy has implemented stringent procedures to address and prevent business malpractices such as bribery, corruption, and fraud. These procedures are embedded into the Company's operational framework and are regularly reviewed to ensure they remain robust and effective. To foster a culture of compliance, the Company continually educates its employees on these procedures, emphasizing their critical role in maintaining a transparent and trustworthy business environment. Through these efforts, Brenmiller Energy ensures its operations are in line with best practices and industry standards, protecting both the Company and its stakeholders.

Anti-Corruption and Bribery: We expect our employees and directors to act with unwavering honesty, integrity, and fairness. Our confidence in our team's commitment to the rule of law is steadfast. We strictly prohibit all forms of bribery, corruption, and illicit kickbacks. It's a point of pride for us that, to our knowledge, Brenmiller Energy has remained untainted by any instances of corruption or bribery throughout its existence.

Anti-Money Laundering (AML): In alignment with our commitment to integrity, we've instituted AML policies and procedures that comply with the Money Laundering, Terrorist Financing, and Transfer of Funds Law and Regulations.



THE CODE OF ETHICS AND BUSINESS CONDUCT

A Code of Ethics is the cornerstone of a company's integrity and reputation. It outlines core values and behavioral expectations essential for maintaining trust both internally and externally. Adherence to these ethical standards not only avoids legal pitfalls but also reinforces a company's commitment to responsible business, ensuring decisions align with overarching values. In short, abiding by a Code of Ethics underscores a firm's dedication to operating with transparency and fairness.

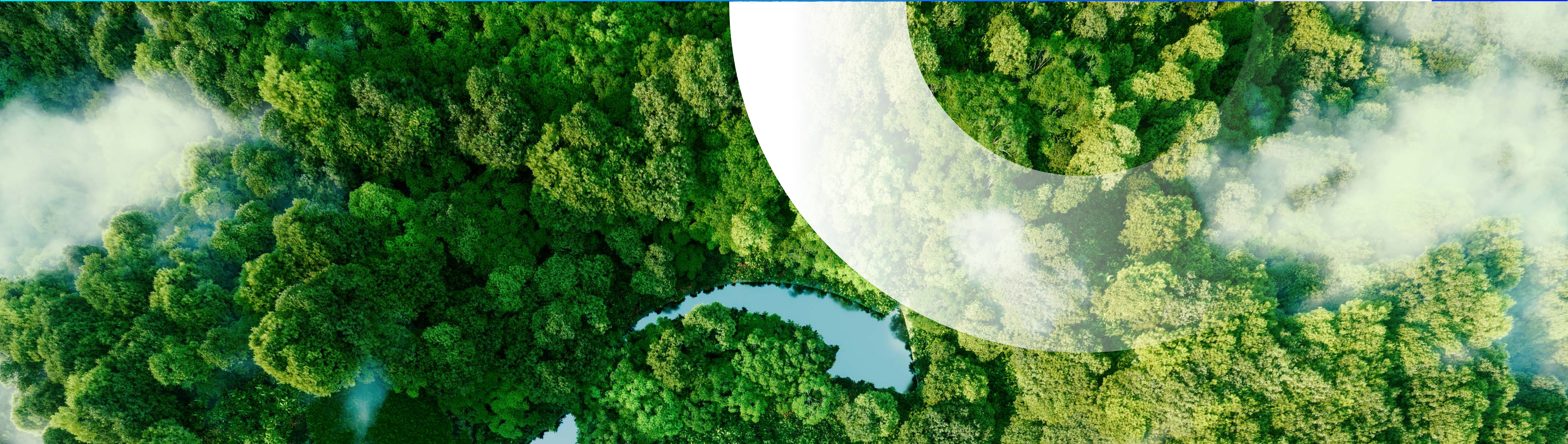
Brenmiller Energy takes ethical business conduct seriously, as evidenced by its Code of Ethics and Business Conduct (the "Code"). This Code applies not only to senior officers, but also to all directors and employees within the company. While the Code covers a vast spectrum of business practices and procedures, it doesn't claim to be exhaustive. Instead, it provides a

foundational set of principles aimed at guiding all company Employees. From fostering honest and ethical conduct, prioritizing accurate and transparent disclosure in official reports, and fostering fair dealing practices to deterring wrongdoing and complying with legal regulations, the Code sets high standards. Employees are not just expected to familiarize themselves with the Code but also to uphold its provisions. If uncertainties arise, they can seek clarity from top executives, the Board, or the Audit Committee. One of the overarching objectives behind the Code's establishment is to instill a culture of ethical responsibility, prompt reporting of any violations, and ensuring accountability for adherence throughout the Company.



→ CHAPTER 3

OUR ESG GOALS AND PRINCIPAL FOR 2023 – 2026



ENVIROMENTAL PRINCIPLES FOR 2023 - 2026

E1. Climate change strategy.

Understanding The Climate Change Threat And Creating A Clean Energy Technologies That Will Be A Link In The Chain Of Protecting Our Environment.



E2. ISO certified.

To achieve HOLISTIC environmental performance and to be ISO (14001:2015) certified.



E3. Emissions and energy.

Reducing our Carbon footprint , given our structure, opportunities for efficiency improvements and reductions in emissions and energy intensity exist across scopes one and two.



E4. Emissions reduction in Supply chain.

To adverse environmental impact possible across the our supply chain, from raw material to product end-of-life.



SOCIAL PRINCIPLES FOR 2023 - 2026



P1. Diversity, equity, and incorporation.

To develop our human resource capital in a way that fosters a sense of belonging, where each individual feels not only empowered to contribute, but also appreciated and treated with equal respect.



P2. Talent & Education.

Talent and education are crucial components for individual and societal growth. Talent refers to inherent abilities, skills, and aptitudes possessed by individuals, while education encompasses the formal and informal learning processes that enhance knowledge, develop skills, and shape individuals' capabilities.



P3. Human rights and responsible supply chain.

To engage in business relationships with like-minded individuals and organizations who share our values and commitment to upholding human rights.



P4. Global occupational health and safety.

To adopt proactive measures to prevent occupational illnesses and foster a workplace free from injuries

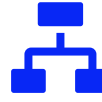


CORPORATE GOVERNANCE

PRINCIPLES FOR 2023 - 2026

G1. ESG governance and leadership.

Establishing a governance framework that places strong emphasis on risk management and compliance oversight. This framework is supervised by the Audit Committee, which consists of independent directors and by the board of directors as needed.



G2. Business ethics and compliance.

We monitor our code of conduct rules and for aligning with best practices to strengthen our enforcement procedures. We expect strict compliance with our code of ethics and compliance standards.



G3. Risk management.

Adopting a comprehensive risk-based approach that is implemented regularly in accordance with our Enterprise Risk Management (ERM) policy and program. This ERM program has been approved and is monitored by our Board of Directors.

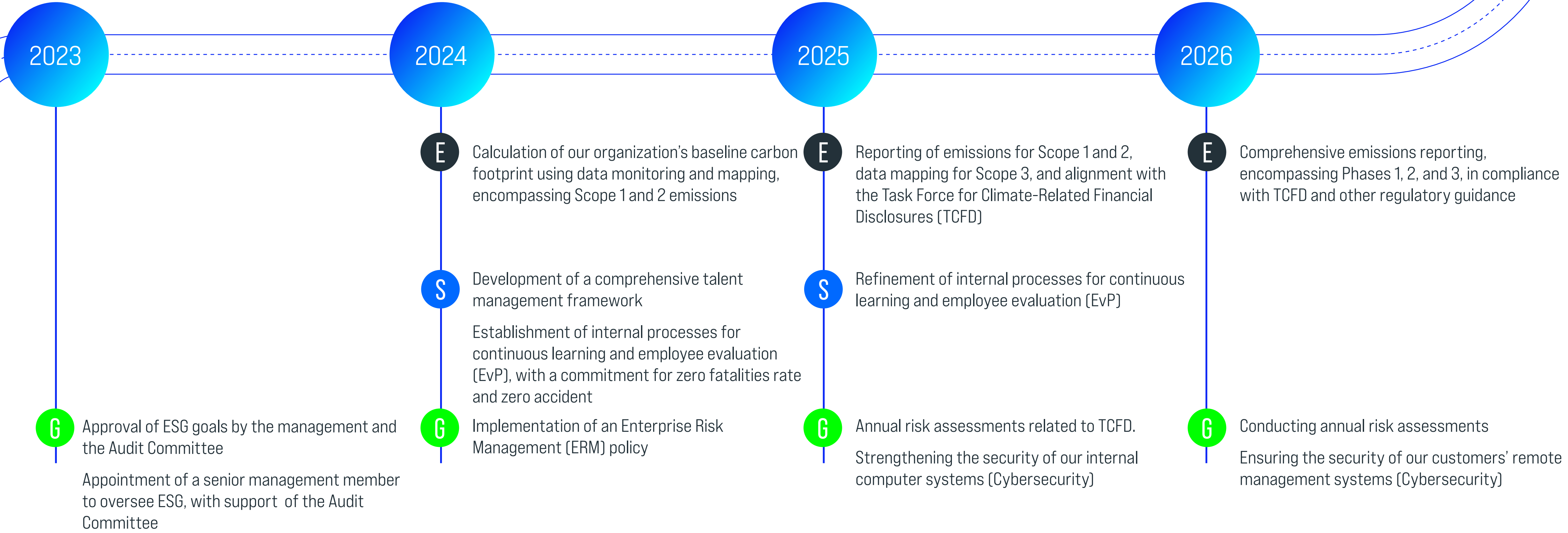


G4. Board committees.

Enhancing the board committees overseeing guidelines to be in line with high best practices



ESG ROAD MAP FOR 2023 - 2026



→ CHAPTER 4
SDGs COMMITMENT



BRENMILLER ENERGY SDG COMMITMENT

The Sustainable Development Goals (SDGs) are a collection of 17 interlinked global goals designed to be a “blueprint to achieve a better and more sustainable future for all.”

The SDGs were set up in 2015 by the United Nations General Assembly (UN-GA) and are intended to be achieved by 2030. They are included in an UN-GA Resolution called the 2030 Agenda or what is colloquially known as Agenda 2030. The SDGs were developed in the Post-2015 Development Agenda as the future global development framework to succeed the Millennium Development Goals which were ended in 2015.

Brenmiller Energy’s business activity helps achieve 7 UN Sustainable Development Goals.



SUSTAINABLE DEVELOPMENT GOALS



Goal 7
Affordable and clean energy

Secondary Goal

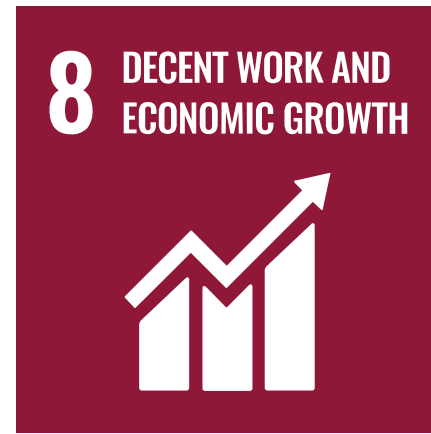
7.2 – Increase substantially the share of renewable energy in the global energy mix.

7.3 - Double the global rate of improvement in energy efficiency.

Brenmiller Energy Contribution

The bGen™ unit is charged from different renewable sources: electrical, such as Photovoltaics , wind, or grid at off-peak; thermal sources, such as biomass, flue-gas, heat recovery, or any combination of these inputs. This energy is captured using electrical heaters and gas piping which runs through the storage modules and transfers heat to the storage media at high temperature of up to 750°C. In parallel or hours later, steam is discharged to meet customer’s demand.

In Brenmiller Energy’s factory, energy consumption was significantly reduced, as were greenhouse gas emissions. In addition, other energy measures were taken, such as switching to LED, engines are started and operated as required, and raw materials are cut according to demand.



Goal 8
Decent work and economic growth

Secondary Goal

8.5 - Achieve full and productive employment and decent work for all women and men.

8.7 - Take immediate and effective measures to eradicate forced labor, end modern slavery and human trafficking, and secure the prohibition and elimination of the worst forms of child labor.

8.8 - Protect labor rights and promote safe and secure working environments for all workers.

Brenmiller Energy Contribution

Brenmiller Energy undertakes a healthy, safe, and inviting workspace for all its employees.





Goal 9 Industry, innovation, and infrastructure

Secondary Goal

9.4 - Upgrade infrastructure and retrofit industries to make them sustainable, with increased resource-use efficiency and greater adoption of clean and environmentally sound technologies and industrial processes.

Brenmiller Energy Contribution

Brenmiller Energy is an innovative company in the eEnergy and cCleantech sector, with a granted patent on its unique thermal storage system – the bGen™.



Goal 11 Sustainable cities and communities

Secondary Goal

11.3 - Enhance inclusive and sustainable urbanization and capacity for participatory, integrated, and sustainable human settlement planning and management in all countries.

Brenmiller Energy Contribution

Brenmiller Energy offers green and sustainable utility utilities services such as heat and hot water to residential buildings, hospitals, and universities.





Goal 12 Responsible consumption and production

Secondary Goal

12.6 - Encourage companies, especially large and transnational companies, to adopt sustainable practices and integrate sustainability information into their reporting cycle.

Brenmiller Energy Contribution

As the global community becomes increasingly aware of the environmental challenges we face, Brenmiller Energy stands at the forefront of change by adopting sustainable practices in its operations. Recognizing the intrinsic value of harmonizing business goals with ecological responsibility, the company has seamlessly integrated green initiatives into its core strategies. From harnessing clean energy technologies to implementing waste reduction measures, Brenmiller Energy's commitment to sustainability is evident in every facet of its business.



Goal 13 Climate action

Secondary Goal

13.1 - Strengthen resilience and adaptive capacity to countries' climate-related hazards and natural disasters.

13.3 - Improve education, awareness-raising, and human and institutional capacity on climate change mitigation, adaptation, impact reduction, and early warning

Brenmiller Energy Contribution

Brenmiller Energy seeks to have a pivotal role in the decarbonized industrial and energy sector.

In addition, as part of Brenmiller Energy's actions in its the factory, the emission of greenhouse gases was reduced in Scope 2 in 2022 compared to 2021.



Goal 17 Partnerships for the goals

Secondary Goal

17.13 - Enhance global macroeconomic stability, including through policy coordination and policy coherence.

Brenmiller Energy Contribution

Brenmiller Energy helps its customers to achieve the Net-Zero goals.



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