

HOMEBIOGAS[®]

SELF MADE ENERGY



HOME BIOGAS®

הכנס השנתי החמישי לטיפול בפסולת ע"ש דני שטרנברג

“WASTED CLIMATE?”

השפעת ניהול הטיפול בפסולת
על משבר האקלים

LEGAL DISCLAIMER

Important notice

This presentation (the “Presentation”) is for informational purposes only and does not constitute or form any part of any offer for sale or subscription of, or solicitation of, any offer to buy or subscribe for any shares or other securities of HOME BIOGAS LTD. (the “Company”) or any of its affiliated entities nor shall it or any part of it form the basis of, or be relied on in connection with, any contract, commitment or any investment decision whatsoever.

The summary information herein does not purport to be complete. The information in this Presentation should not be relied upon as any representation or warranty, express or implied, of the Company or any of their affiliated entities. No reliance should be placed on the fairness, accuracy, completeness or correctness of the information or opinions contained in this Presentation.

If any inconsistency shall be found between the information included in the Presentation and the information included in the Company’s reports on www.magna.isa.gov.il, the information provided on www.magna.isa.gov.il shall prevail.

No legally binding obligations will be created, implied, or inferred from this Presentation.

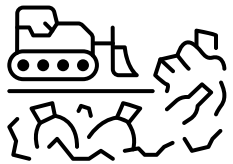
Everything stated in this Presentation with respect to an analysis of the Company’s business is merely a summary and any forward-looking statements involve risks and uncertainties. These statements include descriptions regarding the intent, belief or current expectations of the Company. Such forward-looking statements are not guarantees of future results, performance or achievements and are based on current expectations, estimations, and assumptions, involve certain risks and uncertainties which are difficult to predict and are not guarantees of future performance. Therefore, actual future results, performances or achievements of the Company may differ materially from what is or may be expressed or implied in this presentation due to a variety of factors, many of which are beyond the Company’s control, including, without limitation, certain risk factors contained in the Company’s reports. The Company disclaims any obligation or commitment to update these forward-looking statements to reflect new information, future events or developments or changes in expectations, estimates, projections and assumptions or otherwise.

Certain information and factual statements (including markets or trends) contained herein are based on or derived from publicly available documents or independent third party sources the accuracy of such information and the assumptions on which such information is based have not been independently verified. The Company does not warrant that the Information is either complete or accurate, nor will bear any liability for any damage and/or losses which may result from use of the Information.

None of the Company or any of their respective affiliates, advisers or representatives shall have any liability whatsoever for any loss howsoever arising, whether directly or indirectly, from any use, reliance or distribution of this Presentation or its contents or otherwise arising in connection with this Presentation.



ANNUAL WASTE PRODUCTION AT STAGGERING LEVELS



10%

Of global greenhouse gas emissions comes from food waste



90B \$

Spent on collecting and transporting Municipal Solid Waste (MSW) to landfills yearly in the US



1.3B TONS

Of all food produced for consumption human is thrown away

ISRAEL IS DROWNING IN WASTE

77%

of methane emissions in Israel are caused by organic waste in landfills

Food waste accounts for

35%

of municipal waste

GLOBES

One of the main sources of methane emissions is the burial of organic waste. Most of this waste, about 80% currently in Israel, is buried compared with just 20% in Europe. According to the Ministry of Environmental Protection, about 77% of methane emissions in Israel are caused by the burial of organic waste.

ynet
news.com

Israel joins global effort to slash methane emissions

United States, EU pledge aims to have a significant impact on all waste sectors responsible for the bulk of methane emissions, the biggest cause of climate change after carbon dioxide (CO2)

THE TIMES OF ISRAEL

Government report finds Israel methane emissions much higher than world averages

THE JERUSALEM POST

Food waste in Israel totals NIS 3.2 billion annually

According to the report, food waste in Israel is estimated to total at around NIS 3.2 billion a year and accounts for 35% of the volume of municipal waste.

US LANDFILL CAPACITY CRISIS

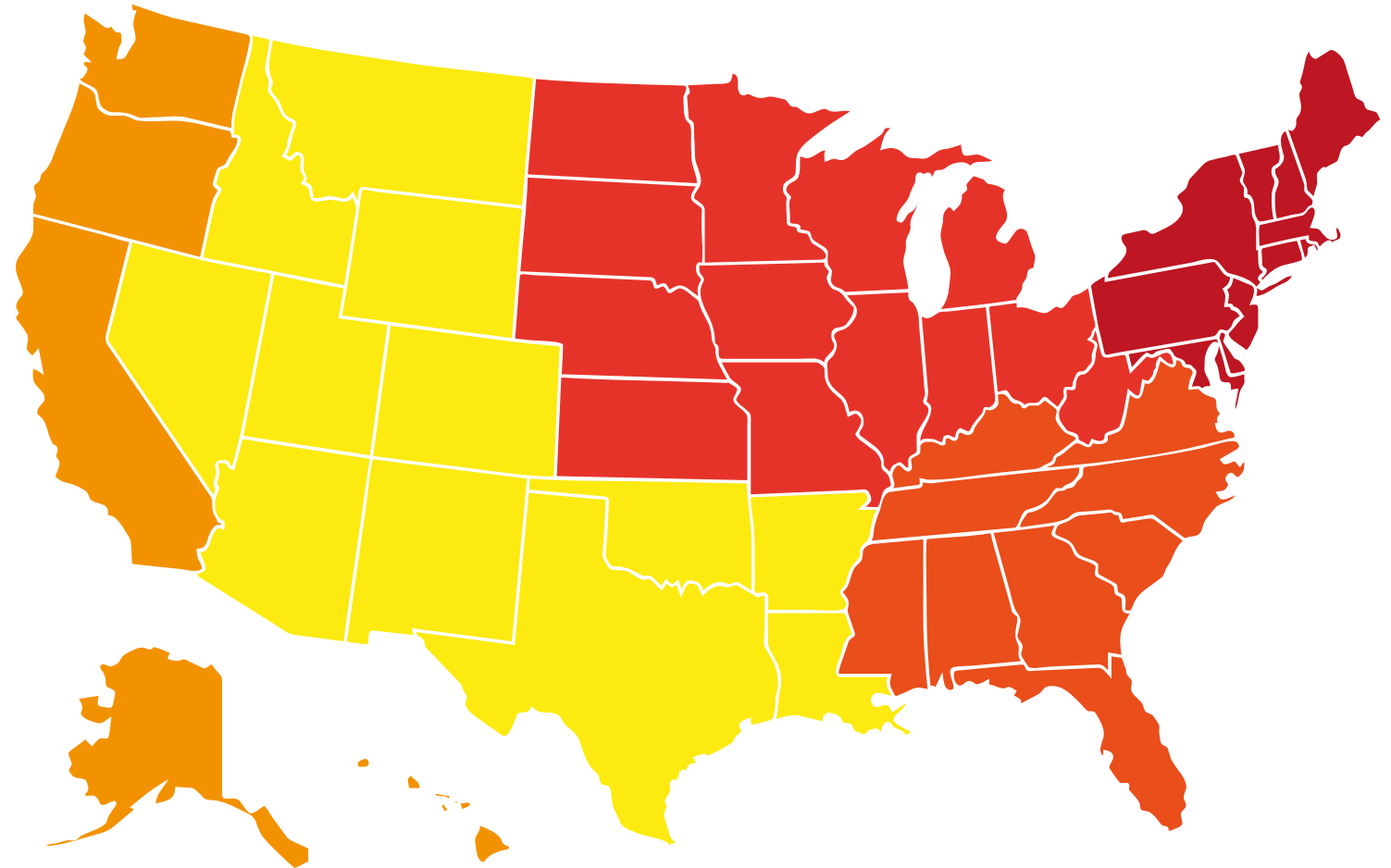
“The UN plans to recycle

55%

of Municipal waste
landfill by 2025”

**REMAINING
CAPACITY (YEARS)**

8 12 16 20 24



ORGANIC WASTE

! LEGISLATION AND LAWS



EU actions against food waste

Reducing food loss and waste is an integral part of the strategy's Action Plan. The Commission will propose:

- legally binding targets to reduce food waste across the EU, by end 2023, defined against a baseline for EU food waste levels set following the first EU-wide monitoring of food waste levels
- a revision of EU rules on date marking ('use by' and 'best before' dates), by end 2022.



California tackles food waste with largest recycling program in US

Residents will be required to use green waste bins to dispose of food which municipalities will turn into compost or biogas

SAN FRANCISCO (KGO) -- For millions of Californians all around the state, 2022 will be the year that forever changes how we deal with waste.

On Jan. 1, a new law came into effect that requires all people and businesses to separate things like leftover food and kitchen scraps from the rest of their trash.

New Jersey Legislature

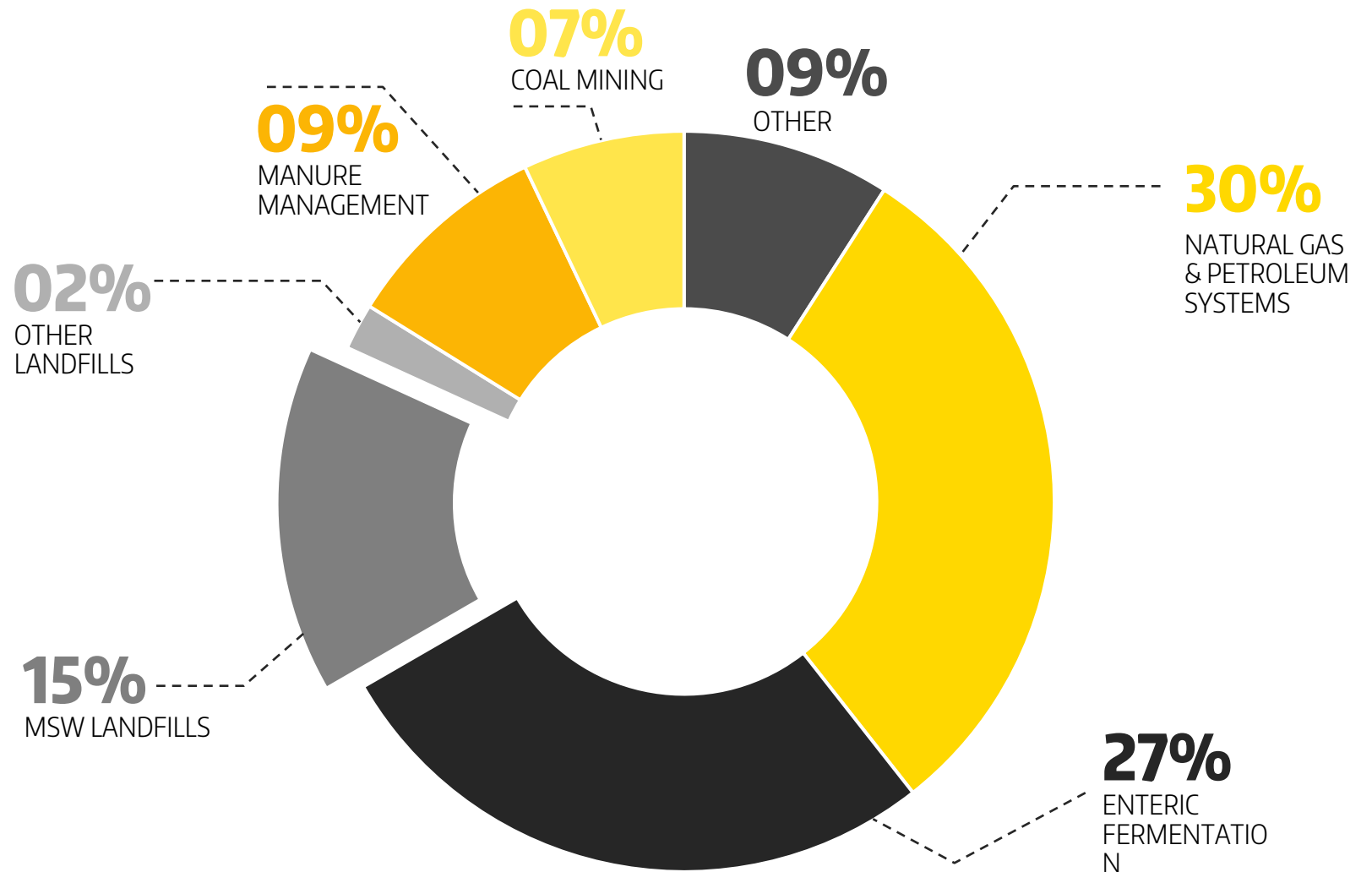
Food Waste Recycling and Food Waste-to-Energy Production

- Effective October 2021, **Bill A-2371**, requires every large food waste generator that produces an average projected volume of 52 or more tons of food waste per year, located within 25 miles of an authorized food waste recycling facility, to source separate and recycle food waste at an appropriate facility. Generators may

LANDFILL METHANE MENACE

Methane is a greenhouse gas,
80 times more
harmful than CO2

Landfills are the
3rd largest
sources
of methane globally

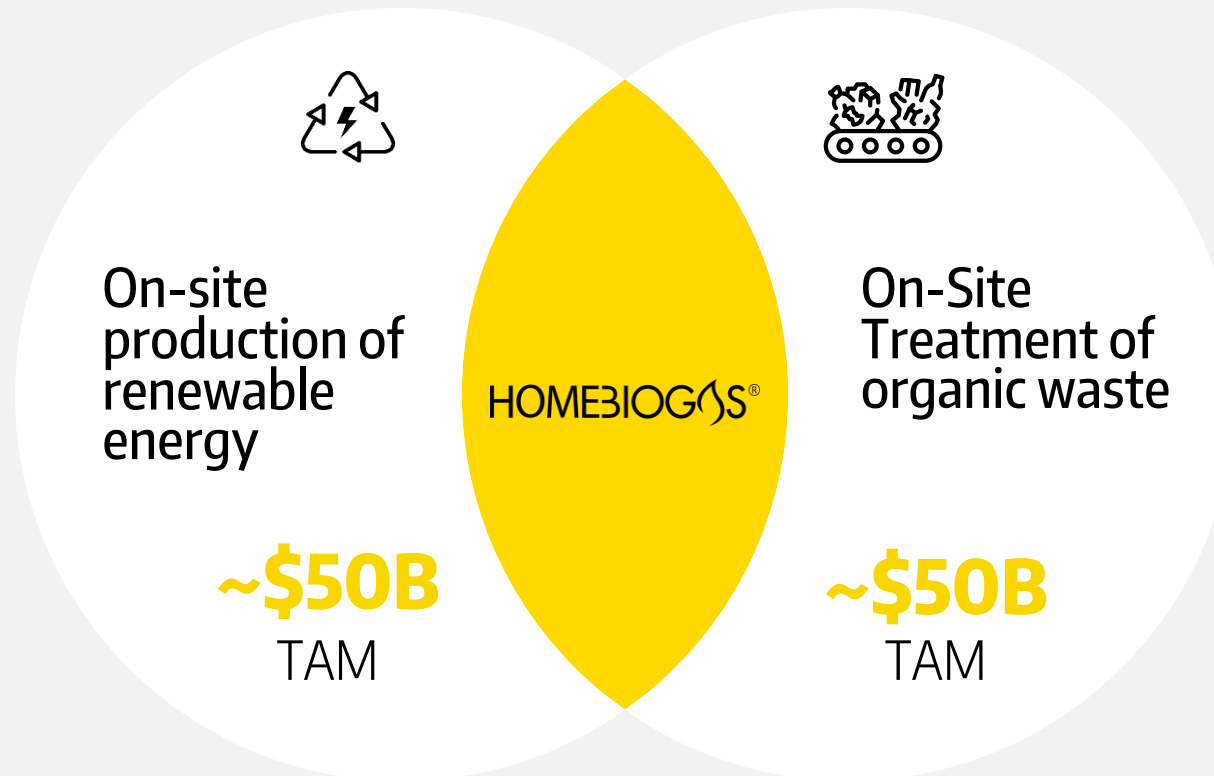


<https://www.npr.org/2021/07/13/1012218119/epa-struggles-to-track-methane-from-landfills-heres-why-it-matters-for-the-clima>

TURNING WASTE INTO RENEWABLE ENERGY

Solving two of the world's biggest challenges

(Climate Crisis and Waste/Pollution Crisis)



Sources:
[EPA, United States Environmental Protection Agency,](#)
[International Efforts on wasted Food Recovery](#)
Fuel market sizing and forecast model; Task Team analysis



OUR VISION

Advanced on-site organic waste treatment solutions for **households** and **commercial** spaces



GROUNDBREAKING TECHNOLOGICAL SOLUTIONS

HOUSEHOLD SYSTEMS



Off-Grid



Premium

COMMERCIAL SYSTEMS



COMMERCIAL SYSTEM

Local treatment of organic
waste and on-site production
of renewable energy



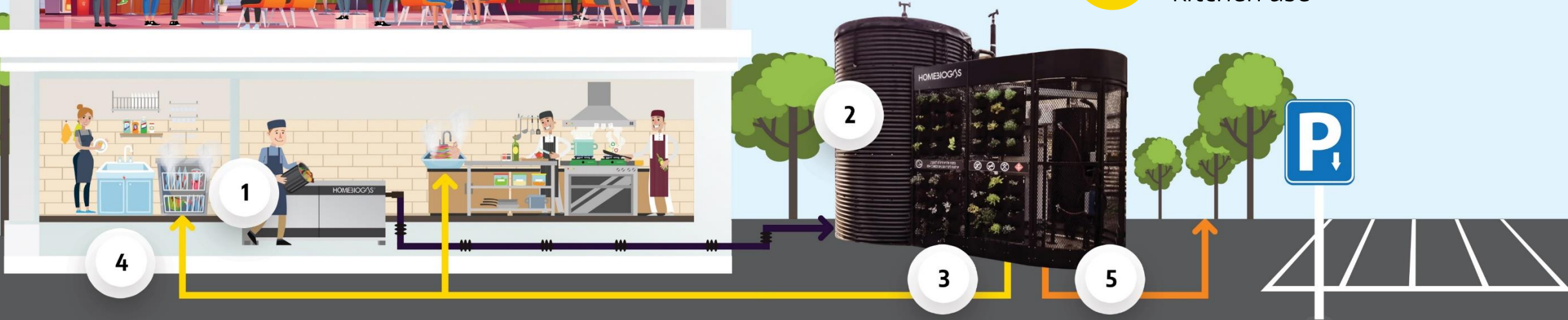
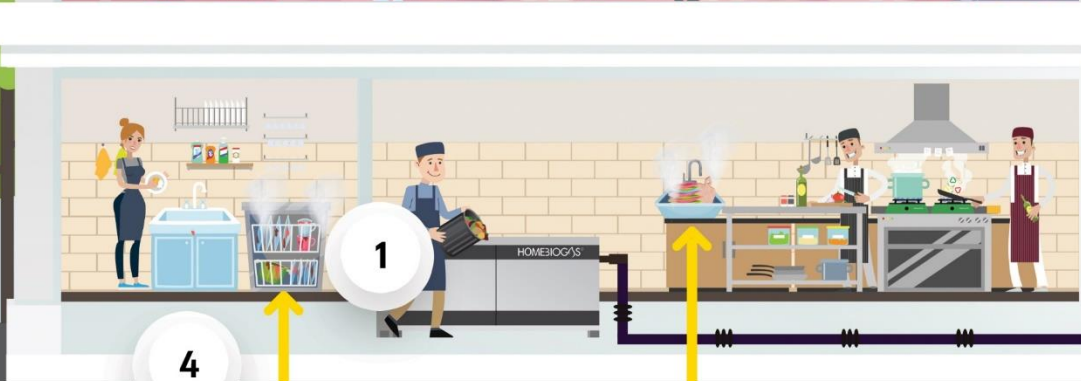
Treats up to **1 ton**
of waste per day



COMMERCIAL SYSTEM

how does the system work?

- 01 Kitchen waste is fed into the grinding unit
- 02 Waste is broken down into gas in an anaerobic process
- 03 Generated gas is converted into hot water
- 03 Hot water for kitchen use



COMMERCIAL SYSTEM

cut expenses and reduce
carbon footprint



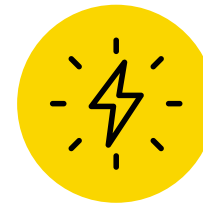
Significant
waste
reduction



Huge savings
in handling and
transportation costs



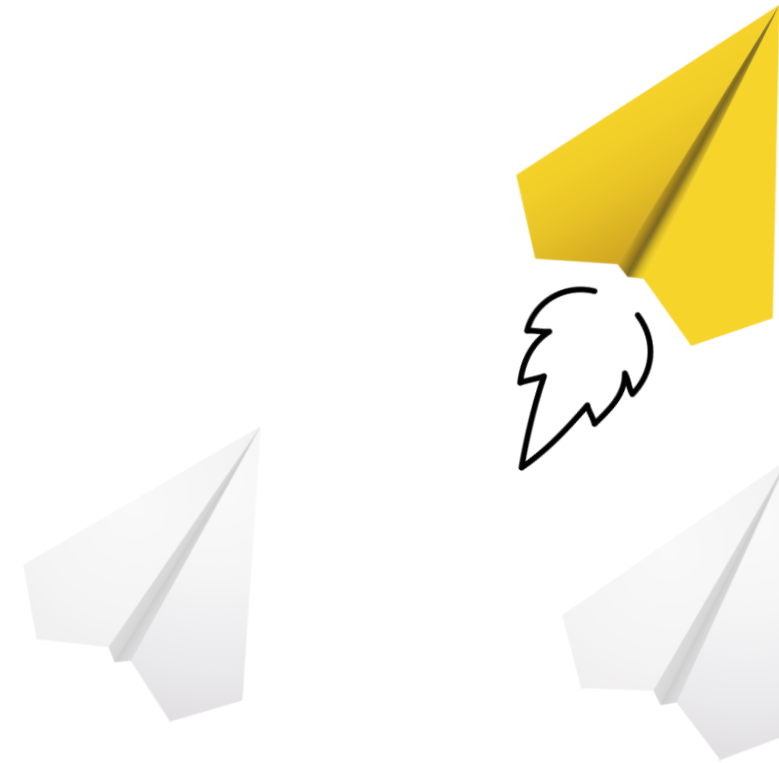
Reduction of
harmful carbon
emissions



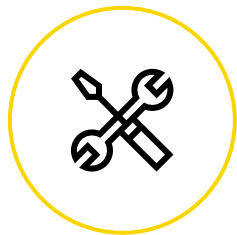
Energy saving and
production of
renewable energy

COMMERCIAL SYSTEM

Technological Advantages



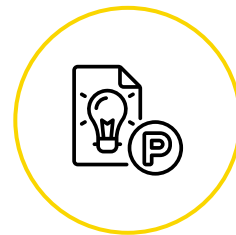
Remote control applications



Low maintenance



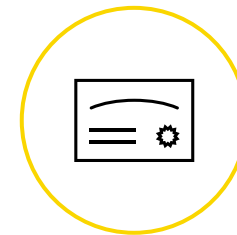
Suitable for outdoor use in all weather



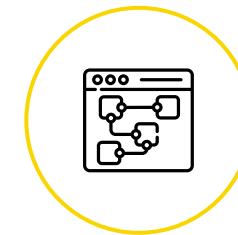
International patents



Conversion to hot water



Meets international standards



IOT and Cloud Based tech



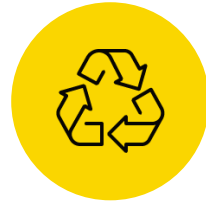
Safe and airtight system

INNOVATIVE WASTE TO ENERGY SOLUTION

The Most Sustainable Organic Waste Management Solution:



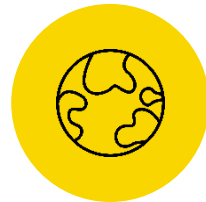
Reduce your carbon footprint



Waste to resource cycle – be part of the circular economy



Create renewable energy on-site



Help you reach your climate positive and zero-waste goals



SEAMLESS EXPERIENCE

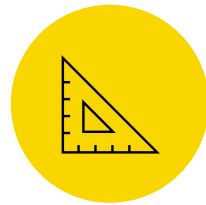
ALL-IN-ONE SOLUTION TO HANDLE ORGANIC KITCHEN WASTE



Convenient solution:



User-friendly, efficient and automatic workflow



Optimizing kitchen spaces



Promote a clean, odorless and healthy kitchen environment



Fits into the existing kitchen infrastructure

ROI MODEL

Cut expenses on:



Energy
costs

Water
heating

Bio-fertilizer

BACKED BY LEADING INTERNATIONAL ENTITIES



The leading investment funds in the world in the field of circular economy



International Energy Company



Soros Investment Fund



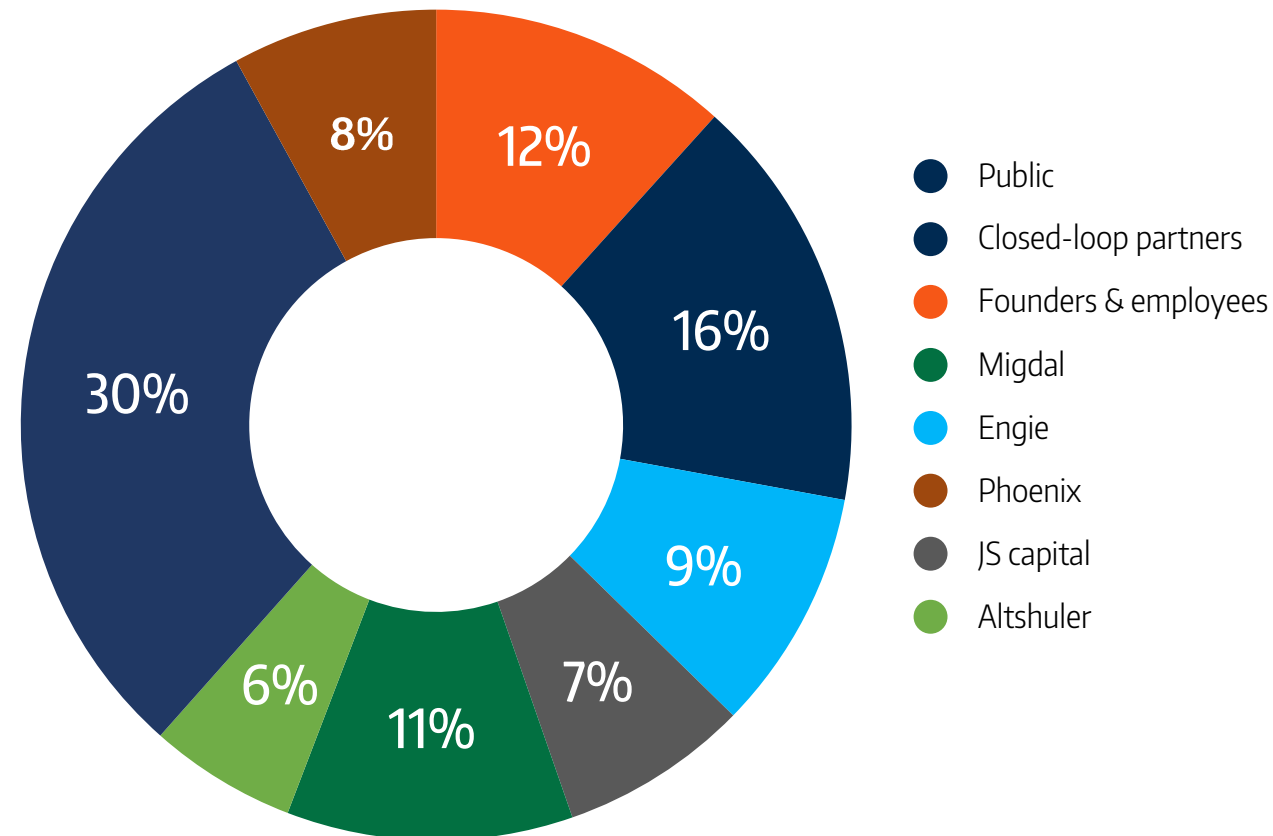
One of the leading asset management groups in Israel



The largest insurance and financial group in Israel



leader in Israeli multi-line insurance, asset management, and financial services



LEADERSHIP

BOARD



BOAZ SCHWEIGER
executive chairman

Extensive experience in the fields of finance, investments and strategy, for private and public companies. Operating partner in Closed Loop Partners.



RON GONEN
Founder and CEO
Closed Loop Partners

Prior to CLP, Mr. Gonen was the Deputy Commissioner of Sanitation, Recycling and Sustainability in New York City and a Co-Founder and CEO of Recycle Bank. Mr. Gonen has been a recipient of a number of environmental and business awards.



ORIT STAV
Managing Partner
Israel Innovation Partner

Mrs. Stav is a seasoned investment manager with 20 years of experience in the Venture Capital & Private Equity, as well as in the technology sector and is currently serving as a professional board member in 6 public companies.



LIMOR WIESEL
Founding Partner
Wiesel, Rokach, Revach Law firm

Mr. Wiesel is a founding partner of the law firm "Wiesel Rokach Revach, law office" and has over 10 years of experience in the entire spectrum of legal and commercial services in the areas of Real Estate and General Corporate Law



SHAI LEVY
Managing partner
NevaTeam Ventures

Mr. Levy has a vast background in management, deal making and finance, with expertise in Venture Capital & Technology Investments, Real Estate, Oil & Gas, Private Equity, Infrastructure Investments and Project Financing alongside with broad expertise in Publicly traded and early stage companies globally.



ARIK RASHKES
Managing Director and Head of
Houlihan Lokey's Insurance practice

Mr. Rashkes has over 20 years of experience in financial services and has executed a wide variety of projects, including for multiple Fortune 500 and international companies, small-caps, entrepreneurs, and private equity owners.

MANAGEMENT



OSHIK EFRATI
CEO, Co-Founder & BOARD MEMBER

A technological entrepreneur and expert in biological waste treatment, with managerial experience in developing companies, project management, product development for the international market, leading business and technological management teams.



EREZ LANZER
CFO, Co-Founder

Experienced manager in the fields of finance, operations, and business development for businesses with global operations and complex logistics systems.



YAIR TELLER
Head of Global Impact, Co-Founder

Expert and global leader in the field of sustainability and biogas, with experience in project management and business development for international markets.



MARCELO RUBIN
CBO

20 years of experience at senior management positions in the fields of sales, marketing and business development in leading global technological organizations.



YOSSI ROSENBLUM
CTO

An experienced and multidisciplinary manager in product development. Former director of development at Netafim.



OR GOTTLIB
CMO

Experienced in managing and leading teams in marketing and content production for large organizations and global startups.

INTERNATIONAL DEPLOYMENT



6
Continents



100+
Countries



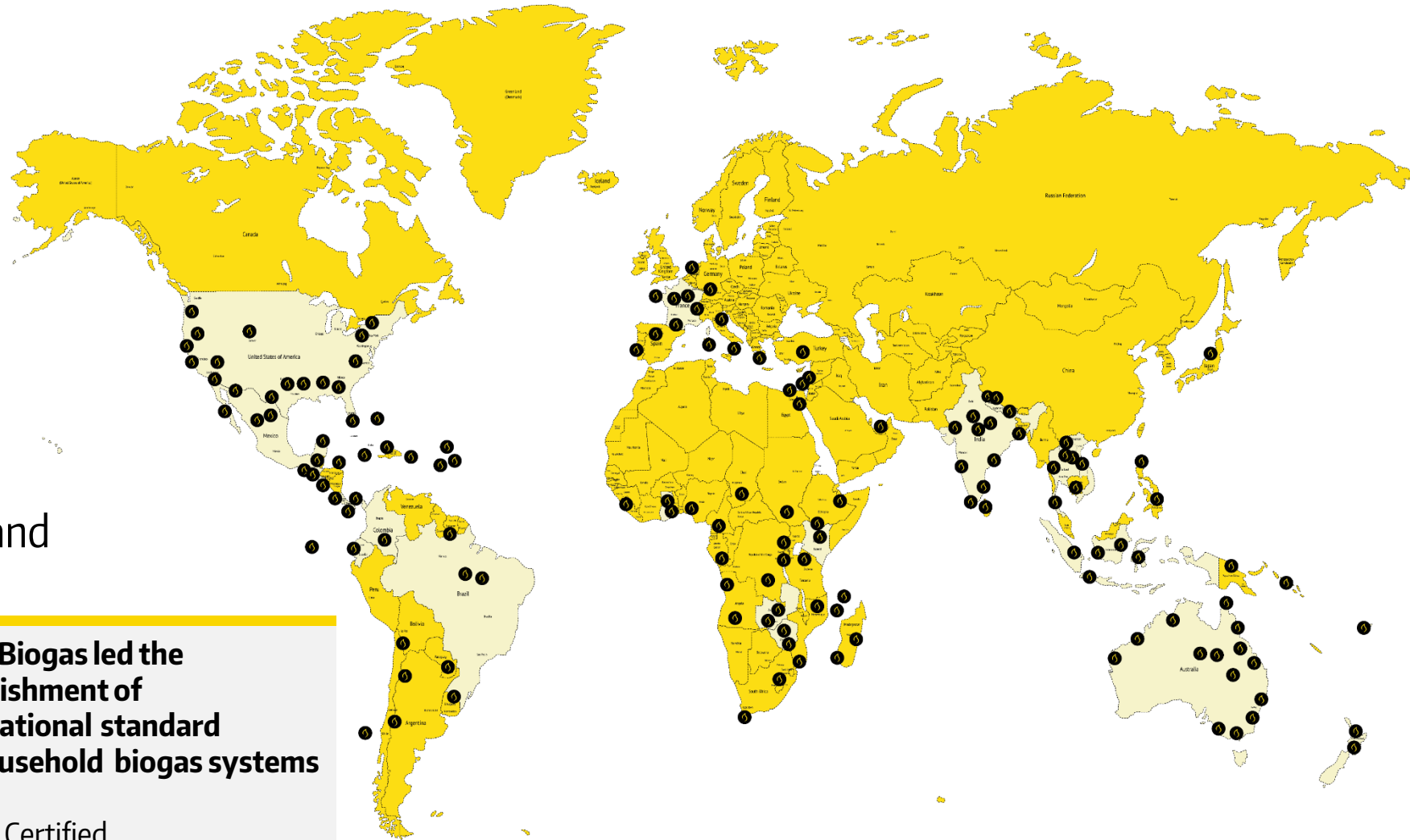
90+
employees in Israel and
around the world



Holds
international
patents

**HomeBiogas led the
establishment of
international standard
for household biogas systems**

- CE Certified
- International Product Liability Insurance

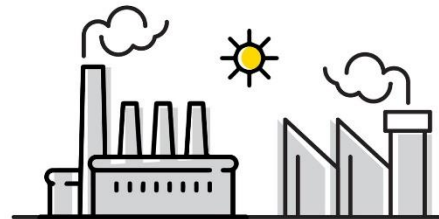
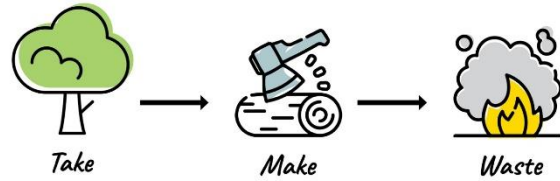


International Impact

 HomeBiogas Customers  HomeBiogas Distributors

FROM LINEAR TO CIRCULAR ECONOMY

Linear Economy



Energy from finite sources

Circular Economy



Energy from renewable sources

OUR SOCIAL & ENVIRONMENTAL IMPACT

CONTRIBUTION TO 8 SDGs



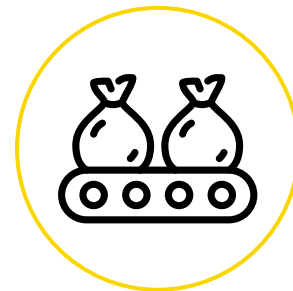
WE CONTRIBUTE TO THE UN SDG GOALS **SUSTAINABLE DEVELOPMENT GOALS**

Enabling our partners to improve compliance with **ESG** targets



86,000

Tons of greenhouse gas emissions avoided



15,000

Tons of waste recycled

SOCIAL & ENVIRONMENTAL IMPACT

CSR AND GOVERNMENT PROJECTS



HOME BIOGAS®

Thank you!
Any questions?