



Redefining Carbon Efficiency

Real-Time Monitoring, Real Results, Real Environmental Impact

BE THE CHANGE YOU WANT TO SEE

JUNE 2025

Royo

Honoring a Legacy

On October 7, 2023, Nir Oz, a small Israeli kibbutz on the Gaza border, faced a devastating attack by Hamas terrorists. Among the many lives impacted was **Roe (Royo) Munder**, a lifelong resident known for his service, kindness, and vibrant personality.

Born in 1973, Royo devoted his life to serving others as an electrician. He was beloved for his love of Liverpool F.C., his passion for photography, and his signature hat. Tragically, on that fateful morning, Royo was brutally killed in front of his burning home. His parents, sister, and nephew were abducted to Gaza. While some were released after 48 days, his father, Avraham, was murdered in captivity.

To honor Royo's legacy, we decided to name our carbon efficiency system after him. This tribute reflects his enduring spirit, kindness, and unwavering commitment to his community.

May his memory be a blessing.





Meet BH Grid Solutions

Innovators in Carbon
Management & Optimization



Real-Time Carbon Monitoring from Energy Consumption

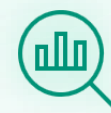
BH Grid Solutions leads in tracking emissions with precision.



Technological Edge: Integration of AI and IoT for unparalleled precision in carbon management.



Proven Leadership: A diverse team with decades of expertise in carbon, data centers, and software innovation.



Data Center Focus

Solving energy challenges for a rapidly expanding industry.



Strategic Partnerships: Design partnership Collaborations with top-tier data centers and tenant.

The People Behind the Vision



Yair Hadar

Chairman & Founder

30+ years in hi-tech, real estate, and energy investments. Partner and director in EHV1+EHV2 tech - investment funds Overseeing over 35 companies.



Zachi Ben Moshe

CEO & Founder

25+ years in the energy sector, former CEO of Gadiv. Managed a \$600M export business and led strategy, development mergers and acquisitions at Bazan Group.



Ziv Gome

CTO

25+ years in software, healthcare IT, and AI development. Led dbMotion development team and managed Taboola's AI platform for content recommendations.



Moshe Lasman

Business Development

35+ years in IT and data center development. Built and sold three data centers to EdgeConnex, serving global clients.

The Carbon Challenge in Data Centers

2.5B Tons CO₂

projected by 2030 – 40% of
annual U.S. emissions.

The data center industry grows at a

13.8% CAGR



Commitments to **net-zero by 2030**
increase demand for decarbonization
solutions.



The demand for **decarbonization technologies** creates a booming market for innovative solutions like:

- ✓ Real-time carbon monitoring.
- ✓ Optimization algorithms.
- ✓ Renewable energy integration.

**Achieving real carbon efficiency is no longer optional -
it's a business imperative for sustainability and competitiveness.**

(Source: Morgan Stanley)

Redefining Carbon Monitoring: Not All Kilowatts Are Born Equal

Traditional Monitoring (Today)



Carbon is calculated as:
Annual Energy × Fixed Coefficient.



Measurements are only available
in retrospect.



Grid Variability Ignored:
All kilowatt-hours are treated equally, regardless of emission variability.

With BH Grid Solutions



Carbon is calculated hourly by patent protected algorithms.



Emissions are tracked
in real time and certified by big-4 CPA firms.



Accounts for
Power Purchase Agreements (PPAs) and grid fluctuations.



Utilizing Grid Variability:
Adjusts energy use dynamically.

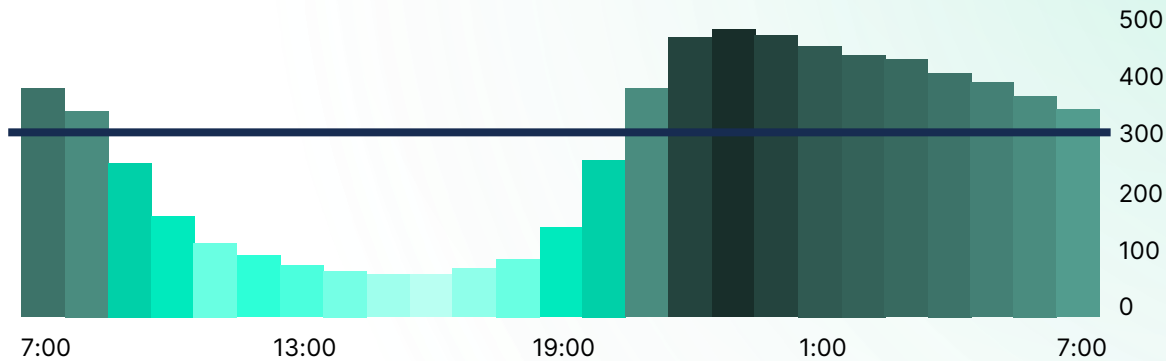
Carbon Monitoring

Today:

- Known in **retrospect**



Ignoring Grid Variability

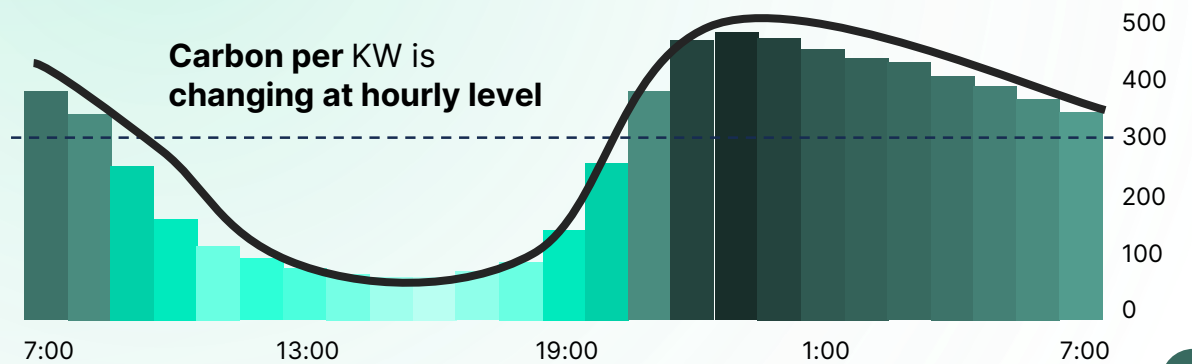


With BH Grids:

- Known in **real time**
- Account for PPAs



Utilizing Grid Variability



Real Time Connectivity platform

Grid Power Sources



Gas



Coal



Oil



Nuclear



Hydro



Wind



Biomass



Solar

Energy Supply & Demand market



Weather info



On site Power Sources



Customer energy consumption



 **Grid Solutions**

Easy customer connectivity



KPIs



Reports



Recommendations

Product functions



Core Capabilities

Real-Time Emissions Tracking

Continuously monitor and track carbon emissions for precise management.

Accurate ESG KPIs and Goals

Align operations with environmental, social, and governance (ESG) compliance.

Tenant-Level Reporting

Provide detailed insights for tenants, including site-specific KPIs and trends.



Planning and Compliance

Strategic Planning Tools

Planning energy sources and PPAs

ESG-Compliant Reports

Generate comprehensive reports tailored to meet regulatory requirements.



Advanced Optimization Tools

Hourly Emission Monitoring and Predictions

Forecast and analyze emissions to enable proactive decision-making.

Optimization Opportunities Alerts

Identify areas for improvement with actionable notifications.

Optimization Algorithms Management

Use AI-driven strategies for enhanced energy efficiency and carbon reduction. Enable workload shifting and efficient resource allocation.

Energy and Cost Optimization

Optimize electricity and carbon reduction costs based on real time energy prices and carbon intensity

Comply with American and European standards.



BH Grid Solutions Ltd. – Management Statement for Data Review

This management statement provides an overview of the energy data collected from BH Grid Solutions Ltd. ("BHGrids") Beit Hadar site (the "Site"), located at 12 Hartom, Jerusalem, Israel, for the measurement period of December 1, 2024 - December 31, 2024 (the "Report Period"). The objective of this pilot project is to enhance the accuracy and granularity of the Scope 2 emissions calculations at the Site by presenting high-resolution assessments that compare the traditional yearly grid emission factor with BHGrids' method for calculating emissions at a higher temporal resolution. This initiative leverages available data on the grid's energy mix for each time period, enabling a more precise calculation of the carbon footprint associated with purchased electricity.

The Site includes the following key components:

- Electricity consumption from the grid- During the Report Period, the Site has drawn a total of 340,168 kWh from the grid.
- Electricity generated by photovoltaic (PV) systems- The PV systems installed at the Site have generated electricity, all of which has been fed directly into the grid and was not consumed by the site's facilities.
- Battery storage system- The battery system at the site has been charged from grid electricity (when the grid carbon factor was lower), and utilized at the site instead of the grid (when grid carbon factor was higher). The utilization of the battery system was not considered in our calculation.
- Onsite generator- The onsite generator has not been in use during the review period.

Results Comparison – Scope 2 Location-Based emissions

Method	Scope 2 Emissions (tCO2)
Yearly Factor (Ministry of Environmental Protection)	149
Hourly Factor (BHGrids Method)	131

The difference between the calculation methods in this case comes out to 12%.

Notes

- All energy data (produced and consumed) were collected at one-hour intervals or less.
- Data on the mix of energy production sources was collected and calculated in intervals of less than one hour, from the 'Noga - Israel Independent System Operator' systems.
- The carbon emission factor has been calculated on an hourly basis, mainly based on data from the 'Noga - Israel Independent System Operator' systems.

Yours sincerely


Zachi Ben Moshe, CEO

KOST FORER GABBAY AND KASIERER
ACCOUNTANTS
(FOR IDENTIFICATION)
PURPOSES ONLY
DATE: 03/02/2025



Limited Assurance Report



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emissions. The procedures align with the GHG Protocol global standardized framework for measuring and managing greenhouse gas (GHG) emissions.

We also performed such other procedures as we considered necessary in the circumstances.

Unqualified Conclusion

Based on our procedures performed and the evidence obtained, we are not aware of any material modifications that should be made to the Subject Matter for the period ended December 31, 2024, in order for it to be in accordance with the Criteria.

Restricted use

This report is intended solely for the information and use of BH and is not intended to be and should not be used by anyone other than those specified parties.

Tel-Aviv, Israel
February 3, 2025


KOST FORER GABBAY & KASIERER
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GO TO MARKET 2025

With a developed product and undergoing pilot, BH Grid Solutions intends to go to market in Q4 2025 . Per current results based on Beta we aim to decrease Operators' and Tenants' carbon emissions by 10-30%!