

Carbon Footprint of Makios Logistics

Makios S.A. has already started since 2019 the effort to reduce its carbon footprint as seen from the photovoltaic installation and the installation of the biogas energy plant for exploitation of waste.

Specifically:

- On 16/9/2019, the installation of a 500 kW photovoltaic park was completed on the roof of the cold storage no 2 in Kalochori. In June 2020 another park was connected on the roof of the cold storage no 3-4 with a power of 500 kW and in November 2020 a 249.48 kW photovoltaic park was installed on the roof of the warehouse in Gefyra, Thessaloniki. Finally the installation of photovoltaic power of 999.9 kW is scheduled on the roofs of dry storage 1 and cold storage 1 at Kalochori in September 2022. In 2021 were produced 1529.5 MWh from the company's photovoltaics. In case this energy was purchased from a provider that would produce 624.55 tons of CO₂e. Through the photovoltaics that the company has installed the emissions for the specific energy are zero.
- In September 2021, biogas energy plant for exploitation of agricultural waste started operating. The produced biogas meets the highest standards and provides renewable energy source into the network. Furthermore, through the waste process, emissions are avoided as this waste, if it was not processed by the company it would emit methane into the atmosphere. Specifically for 2021 the company processed 4023 tons of waste which if they had been left in a rubbish dump or a field they would have emitted 1666.48 tons CO₂e from methane, while the processing carried out by the company emits 0.32 tons of CO₂e to CH₄ and N₂O.

The company was also certified according to ISO 14064-1, for the Calculation and Management system of Greenhouse Gas Emissions, to report its carbonate footprint using best practices and methodologies. Following you can find the verification statement of the Certification Body.



Greenhouse Gases Verification Statement

Statement (No 20000230008578)



The inventory of Greenhouse Gas emissions Report of:

MAKIOS S.A. 5th klm Thessaloniki-Kalochori GR-546 28 THESSALONIKI, GREECE

in the Reporting period: 2021

which has been prepared according to the requirements of the standard:

ISO 14064-1:2018

and verified in accordance with ISO 14064-3:2019, is satisfactory and there are not material misstatements.

The declared GHG emissions, analyzed as:

Total GHG emissions:	19.847,72	t CO _{2e}
Direct GHG emissions:	18.289,28	t CO _{2e}
- non-biogenic:	17.970,20	t CO _{2e}
- biogenic:	319,08	t CO _{2e}
Indirect GHG emissions:	1.558,44	t CO _{2e}
- imported energy:	1.558,44	t CO _{2e}
- transportation:	Ø	t CO _{2e}
- products used by organization:	Ø	t CO _{2e}
- from other sources	Ø	t CO _{2e}
Removals of GHG emissions:	Ø	t CO _{2e}

Verification Statement No.: 20000230008578

Athens, 2023-02-20



at TÜV AUSTRIA

TÜV AUSTRIA HELLAS 429, Mesogeion Ave. GR-153 43 Athens, Greece www.tuvaustriahellas.gr GEMI No.: 1650201000



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Greenhouse Gases Verification Statement TUV



Statement (No 20000230008578)

TÜV Austria Hellas, accredited Verification Body for GHG emissions against ISO 14065:2020, Accreditation number 876, verifies with reasonable assurance that the GHG emissions Report of the organization Makios S.A.

Information about the verification

The verification body TÜV AUSTRIA Hellas ("Verification Body") has undertaken the third-party verification of the information included in the annual GHG Emissions Report ("Emissions Report") for the reporting year **2021** (1/1/2021-31/12/2021) of the company **Makios S.A.** ("Company"), according to the requirements of the standard ISO 14064-1:2018. The responsibility for the information included in the Emissions Report remains exclusively to the Company. The Verification Body conducted sampling inspection of evidence and data, and the relevant procedures and systems, aiming to the verification of the Emission Report.

It is noticed that the Verification Body has not ever provided any consulting services to the Company.

Verification Objective and Scope

The Verification Body conducted the following third-party verification tasks, during the time period of 01/01/2021 to 31/12/2021:

- 1. Evaluation of the management system and the methodology for the quantification, monitoring and reporting of the GHG emissions of the company, according to the requirements of the standards ISO 14064-1:2018 and ISO 14064-3:2019.
- 2. Onsite verification audits at the following sites:
 - Headquarters, Kalochori Thessaloniki
 - HUB, Gefyra Thessaloniki

aiming at:

- the verification of the existence and application of systems appropriate for monitoring, collection, processing and reporting of data contained in the Emission Report and the documents of the GHG emissions management system of the Company.
- the assurance of the reliability, the relevance, the completeness, the consistency, the accuracy and the transparency of the quantitative and qualitative data contained in the Emissions Report, without any material errors, omissions or misrepresentations.

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the approval by TÜV AUSTRIA

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Scope

- a) organizational boundaries or the GHG project and its baseline scenarios;
- b) physical infrastructure, activities, technologies and processes of the organization or GHG project;
- c) GHG sources, sinks and/or reservoirs;
- d) types of GHGs;
- e) time period(s).

Assurance level

The assurance level agreed with the Company is that of reasonable assurance.

Materiality level

For the purposes of the verification, the agreed level of assurance has been defined as 5%, based on the needs of the intended use of the Emission Report. Therefore, material misstatements are defined any omissions, distortions and errors, which when quantified, result in more than 5% with respect to the total of emissions.

Intended use

The Emissions Report is intended to be used by the Company for the following uses:

Public Demonstration

Conclusions

The Company provided its assertions in the Emissions Report for the reporting year 2021 (1/1/2021-31/12/2021), based on the requirements of the standard ISO 14064-1:2018. The reported by the Company GHG emissions, for the above mentioned time period, have been verified by the Verification Body and they are in accordance with those reported in the 1st page of the present statement, consistent with the agreed scope, objective and verification criteria.

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The verification tasks followed the requirements of the standard ISO 14064-3:2019 and were based on a risk analysis approach, resulting to appropriate, per case, sampling schemes for the collection of the necessary evidence, tracing back from the Emission Report' references to the primary data.

All data and information supporting the GHG assertions in the Emission Report were based on data and information of historical in nature.

Verification Decision

Based on the verification process, procedures and tasks conducted, the GHG assertions included in the Emission Report:

- are materially correct and a fair representation of the GHG data and information
- are prepared and presented in accordance with the standard ISO 14064-1:2018 for the GHG quantification, monitoring and reporting.

GHG emissions Report is satisfactory and there are not material misstatements

When the issuance of an opinion is satisfactory with comments or unsatisfactory the verifier or validator shall state the reasons for the decision and place this description before the verifier's or validator's conclusion

Opportunities for Improvement - Findings

Based on the findings and conclusions derived from the verification process, the Verification Body's recommendations for the improvement of the Company's future Emissions Reports are as follows:

Use of more suitable, in terms of more contemporary, secondary data (EFs)

On behalf of TÜV AUSTRIA Hellas, Athens, 20/02/2023

Kamanatzis Evangelos Lead GHG Verifier Ioannis Kallias General Manager

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