Bioeksen Ar Ge Teknolojileri A.Ş.

Carbon Reduction Plan (CRP)

BİOEKSEN AR GE TEKNOLOJİLERİ A.Ş.

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Net Zero Achievement Commitment

Net Zero Commitment

BİOEKSEN's approach to sustainability is founded on the principle — also reflected among its Corporate Values — of "developing technologies that improve lives, protect our planet, and support a sustainable future." As a biotechnology company that develops and manufactures molecular diagnostic technologies, BİOEKSEN is committed to achieving Net Zero greenhouse gas emissions by 2050. In line with current climate science, this commitment has been embraced as an integral part of the company's approach to resource efficiency, operational resilience, and long-term corporate value creation.

BİOEKSEN's approach to climate and sustainability is anchored in a corporate framework through the company's 2024 Environmental Policy. In addition to legal compliance, the Policy is founded on the efficient use of natural resources, the reduction of energy and water consumption, the prevention of pollution and waste generation, support for recycling and reuse practices, the development of environmental awareness, and the reduction of environmental impact in product design and R&D processes. Carbon Reduction Plan is positioned as one of the core management tools that translates the climate change dimension of these sustainability commitments into practice through measurable targets, greenhouse gas emissions management, and reduction projects.

The 2024 greenhouse gas inventory has been adopted as the reference point in BİOEKSEN's carbon management and reduction journey. Emission sources are monitored regularly based on this inventory, reduction potential is assessed, and the aim is to track carbon performance in a measurable way in future periods.

Accordingly, BİOEKSEN's carbon reduction approach is built around improving energy efficiency, optimizing resource use, evaluating low-emission transport and logistics practices, strengthening a sustainable procurement approach, and reducing the environmental impact of products and processes.

The Quality Policy published on 3 June 2026 further supports this approach within a coherent corporate framework. The principles of efficient resource use, operational excellence, continuous improvement, and sustainable value creation are embraced as core elements of BİOEKSEN's long-term corporate development.

Baseline Year Emission Inventory

The baseline year emission inventory is the reference inventory that establishes the organization's greenhouse gas emissions performance prior to the implementation of carbon reduction strategies. This inventory serves as the fundamental reference point for tracking emission reduction targets, assessing performance progress, and measuring future emission reductions on a comparable basis.

Baseline Year: 2024

BİOEKSEN's first corporate greenhouse gas emissions inventory was prepared on the basis of 2024 activity data. For this reason, 2024 has been designated as the baseline year against which the organization's carbon reduction performance will be assessed. As data continuity is established in future reporting periods, the baseline year will be maintained, and annual emissions performance will be tracked and reported on a comparative basis.

Greenhouse gas emissions have been calculated in the Scope 1, Scope 2, and Scope 3 categories based on the GHG Protocol Corporate Accounting and Reporting Standard, and classified in accordance with the reporting principles of ISO 14064-1:2018. Emission calculations use the emission factors published in the IPCC 2006 Guidelines for National Greenhouse Gas Inventories, the Global Warming Potential (GWP100) coefficients published in the IPCC Sixth Assessment Report (AR6), and, where applicable, the DEFRA 2024 Greenhouse Gas Conversion Factors.

Scope 2 emissions arising from electricity consumption have been calculated using Türkiye's national grid emission factor, as published by TEİAŞ (Turkish Electricity Transmission Corporation). As the organization does not hold a renewable energy certificate or equivalent market-based evidence of electricity supply, only location-based Scope 2 emissions have been reported under this plan.

Baseline Year Emissions Reporting

Baseline Year: 2024

Emissions	Total (tCO2e)
Scope 1 — Direct Emissions	**824.84**
Stationary combustion (natural gas)	196.55
Mobile combustion (diesel, on road)	394.79
Fugitive emissions (refrigerant gases + fire extinguisher)	233.50
Scope 2 — Purchased Energy	**1,578.07**
Purchased electricity (location-based)	1,578.07
Scope 3 — Other Indirect Emissions (sources included)	**2,902.74**
Purchased goods and services (raw materials)	2,494.30
Fuel- and energy-related activities (WTT)	237.63
Upstream transportation and distribution	161.71
Waste generated in operations (waste + water + wastewater)	7.43
Business travel (Category 6)	Data collection in progress
Employee commuting	0.49
Downstream transportation and distribution (Category 9)	Data collection in progress
End-of-life treatment of sold products	1.19
Total Emissions (all included sources)	**5,305.66**

As sufficient and systematic activity data was not available for Business Travel (Category 6) during the 2024 reporting period, the related emissions have not been included in the current calculation. Data collection efforts are ongoing to enable the accurate classification and calculation of transportation- and distribution-related emissions under the relevant Scope 3 category. Once the necessary data has been completed, the related emissions will be included in the calculation in a subsequent reporting period, and the Carbon Reduction Plan will be updated accordingly.

Most Recent Emissions Reporting

Reporting Year: 2024

The organization's corporate greenhouse gas emissions inventory has been prepared on the basis of 2024 activity data. As of the publication date of this plan, 2024 is the most recently completed greenhouse gas emissions inventory and has also been adopted as the baseline year. As inventories for subsequent periods are completed, actual emissions performance will be reported comparatively against the 2024 baseline year.

BİOEKSEN has commenced preparation of its 2025 corporate greenhouse gas emissions inventory, and the related data collection and calculation process is currently in progress. Once the 2025 inventory has been completed, the results will be assessed comparatively against the 2024 baseline year and reflected in future updates of this Carbon Reduction Plan, as appropriate.

Scope	2024 (tCO2e)
Scope 1	824.84
Scope 2 (location-based)	1,578.07
Scope 3	2,902.74
Total	**5,305.66**

Note on Reporting Scope

This Carbon Reduction Plan presents, together, the summary results of BİOEKSEN's corporate greenhouse gas inventory, its emission reduction targets, and its environmental management practices. Detailed calculations, activity data, and supporting records are maintained within the organization's greenhouse gas inventory and related management system records.

Emission Reduction Targets

BİOEKSEN regards its 2024 corporate greenhouse gas emissions inventory as the fundamental reference point for its low-carbon transformation journey. The emission reduction targets set out below have been established in line with the organization's current emissions profile, areas for operational improvement, technology and investment opportunities, and its long-term approach to sustainability.

The targets for 2030 are not simply a numerical reduction commitment; they form part of a broader corporate transformation approach that encompasses energy efficiency, the optimization of resource use, the evaluation of low-carbon technologies, and the continuous improvement of operational processes. Progress will be tracked regularly through annual greenhouse gas inventory results and the reduction activities carried out; the carbon reduction roadmap will be further developed in line with evolving technology, investment conditions, and operational requirements.

The core priority of BİOEKSEN's 2050 Net Zero approach is to reduce greenhouse gas emissions at their source, to the greatest extent possible.

2030 INTERIM TARGET — SCOPE 1 AND 2

■ Planning Target

The aim is to progress towards an absolute reduction of at least 42% in Scope 1 and Scope 2 emissions relative to the 2024 baseline year. The target will be reviewed in light of annual results and feasibility findings.

2030 INTERIM TARGET — SCOPE 3

■ Planning Target

The aim is to progress towards an absolute reduction of at least 25% in the included Scope 3 sources relative to the baseline year. Improvements in supplier data, logistics, and materials management will be prioritised in implementing this target.

2050 LONG-TERM TARGET — SCOPE 1, 2 AND 3

■ Planning Target

An absolute reduction of at least 90% is targeted for Scope 1, Scope 2, and included Scope 3 emissions relative to the 2024 baseline year; any residual emissions that cannot be technically reduced are expected to be balanced through credible neutralization methods recognized at the relevant time, thereby achieving Net Zero.

Carbon Reduction Projects

Existing and Implemented Carbon Reduction Practices

As part of its carbon management approach, BİOEKSEN evaluates and develops practices aimed at improving energy and resource efficiency, reducing business travel, preventing waste generation, and supporting lower resource use in product design. These efforts are carried out as part of the organization's approach to reducing environmental impact and strengthening operational efficiency.
The contribution of these practices to carbon performance will be tracked through annual greenhouse gas inventory results and relevant performance indicators and reflected in future carbon reduction plans to the extent applicable.

The performance of the practices below will be monitored through relevant indicators and the annual greenhouse gas inventory.

- **Energy management and automation:** Heating and cooling systems have been set to operate on a weekday schedule of 07:50–16:45 and are switched off at weekends. LED lighting is used in the R&D and Nurol Office areas; in areas where lights are more likely to be left on, lighting is controlled by occupancy sensors.
- **Water and resource efficiency:** Sensor-activated taps are used to control water consumption, and filtered water is preferred over bottled water. Glass cups have replaced single-use plastic water bottles for guest refreshments, and employees have been provided with glass water bottles to support the reduction of single-use plastic and paper consumption.
- **Digital working and travel:** Online meeting and digital communication tools are actively used; the need for business travel is assessed by taking into account the nature of the meeting and operational requirements, with online participation preferred where appropriate. Data on the use of online meetings is monitored, and the contribution of this practice to travel reduction is assessed as part of sustainability efforts. Where business plans allow, remote working is applied in non-production departments; shuttle services to designated points are provided for staff to encourage the use of public transport, and the company vehicle fleet includes one hybrid vehicle.
- **Waste management and awareness:** Recycling bins have been placed at designated points within the company. As part of the 2025 company targets, at least one recycling project and at least one sustainability training session were carried out; **sustainability was also addressed in the Management Review process on 11 December 2025.**
- **Product design and R&D:** BİOEKSEN treats resource efficiency as one of the design criteria in the development of its molecular diagnostic products. In this context, developments are being made to reduce plastic use, optimize the energy requirements of products, and lower storage requirements. Based on internal comparisons carried out by the organization, existing products are assessed to use approximately 70% less plastic than comparable technologies. Maintaining this gain in new product development processes, and extending it further where possible, **is the objective.**
- **Management system and policy integration:** ISO 9001 and ISO 13485 quality management systems are implemented within BİOEKSEN. The existing system infrastructure is planned to be developed in an integrated manner with environmental performance and sustainability matters. **The 2024 Environmental Policy** forms the corporate policy basis of the Carbon Reduction Plan, supporting the integration of the principles of resource efficiency, pollution prevention, waste reduction, environmental awareness, sustainable product design, and continuous

improvement into carbon targets and project priorities. **The Quality Policy dated 3 June 2026** complements this framework through its approach to efficient resource use, operational excellence, and long-term value creation.

- **Compliance with packaging legislation (PPWR):** The European Union Packaging and Packaging Waste Regulation (PPWR, EU 2025/40) entered into force on 11 February 2025 and became applicable as of 12 **August 2026. BİOEKSEN monitors the new packaging obligations applicable to its products placed on the EU market and is carrying out its compliance preparations in a phased manner. Accordingly, packaging materials are being recorded, the necessary conformity documentation is being obtained from suppliers, and the compliance** of packaging with the new labelling and recyclability requirements is being assessed. The objective is to achieve timely compliance with obligations that will take effect in stages, and to support the continuity of the company's products in the EU market.

Future-Period Carbon Reduction Projects

The carbon reduction efforts to be prioritised during 2026–2030 have been structured in line with BİOEKSEN's 2024 greenhouse gas emissions profile, the sustainability commitments set out in the Environmental Policy, its environmental priorities, and its long-term corporate sustainability approach.

- **Corporate sustainability strategy:** BİOEKSEN's senior management regards sustainability as one of the core elements of its approach to long-term growth, competitiveness, and corporate value creation. Accordingly, by the end of 2027 at the latest the development and publication of the "BİOEKSEN Corporate Sustainability Strategy" is planned. The Strategy is intended to establish the overarching corporate framework that integrates the environmental commitments set out in the Environmental Policy with social and governance priorities; to bring carbon reduction targets and operational transformation efforts together within a common roadmap; and to guide the long-term, measurable, and manageable development of sustainability performance.
- **Expanding Scope 3 data coverage:** A data collection process will be established to systematically record business travel (Category 6) data through the travel/expense management process; for downstream transportation and distribution (Category 9), obtaining data from logistics suppliers will be evaluated. These efforts aim to include both categories in Scope 3 calculations in the subsequent reporting period.
- **Monitoring energy performance:** Electricity and fuel consumption will be regularly monitored through appropriate performance indicators. In this context, sustainability training and workshops will be organized to raise corporate awareness, and a systematic measurement and monitoring infrastructure will be developed for relevant environmental indicators, particularly carbon footprint and water footprint.
- **Renewable energy options:** The technical and economic feasibility of solar power investment, YEK-G (Renewable Energy Resource Guarantee of Origin)-certified electricity supply, and similar renewable energy options will be evaluated. Alternatives found to be suitable will be considered for inclusion in investment and procurement processes.
- **Fleet conversion:** The company vehicle fleet is targeted to be converted in stages to lower-emission vehicles. In this context, the target of having 20% of the fleet consist of electric vehicles by the end of 2027 will be assessed taking into account operational needs, the vehicle replacement schedule, and technical and economic suitability.

- **Environmental performance in the supply chain:** Factors such as product service life, reusability, packaging structure, and resource consumption are assessed to the extent applicable in procurement and purchasing processes, and it is planned to make these criteria systematic. It is planned to require an ISO 14001 certificate from critical and strategic suppliers and, where available, to also take their sustainability and greenhouse gas emissions information into account. Environmental criteria will be integrated into supplier evaluation processes in a phased manner.
- **Material and packaging efficiency:** The aim is to optimize the use of plastic, cardboard, and metal, and, where appropriate, to evaluate recycled content and alternative materials with a lower environmental impact.
- **Logistics optimization:** Where operational requirements permit, the aim is to evaluate road and sea transport options, together with load consolidation practices, as alternatives to air transport for shipments.
- **Carbon management and annual review:** The greenhouse gas emissions inventory will be updated annually; the contribution of reduction efforts carried out to carbon performance will be assessed on a tCO2e basis to the extent applicable and calculable. Sustainability efforts will be developed in line with the targets set for 2026; the scope, timing, and measurement methodology of the emission reduction targets will be structured in parallel with the development of the organization's data infrastructure. The Carbon Reduction Plan will be reviewed and updated by management at least once a year.

These efforts support BİOEKSEN's environmental performance through measurable carbon management practices and constitute the core areas of implementation for the transformation towards its 2050 Net Zero target.

2024 Emission Profile

Emission Source (2024)	tCO2e
Raw material use	2,494.30
Purchased electricity	1,578.07
Mobile and stationary combustion	591.34
Energy transmission-distribution losses + generator	237.63
Refrigerant gas leaks	233.50
Raw material/waste transport	161.71
Waste disposal (hazardous/non-hazardous + water + wastewater)	7.43

The 2024 baseline year emissions profile is used to identify the main sources that need to be prioritized in the reduction programme. As raw material use and purchased electricity account for a significant proportion of total emissions, supply chain data, material efficiency, and energy transition are critical focus areas of the reduction programmed.

Methodology and Data Sources

The methods and data sources used in the baseline year emission calculations for this plan are summarized below:

- **Accounting framework:** The GHG Protocol Corporate Accounting and Reporting Standard and ISO 14064-1:2018 have been used as the basis. Emissions have been reported in the Scope 1, Scope 2, and Scope 3 categories.
- **Organizational boundary:** The operational control approach has been used as the basis for consolidating emissions; as BİOEKSEN operates a single facility and holds direct operational control of that facility, this approach most accurately reflects the scope. This plan covers the facility and operations directly operated by BİOEKSEN.
- **Combustion emission factors:** The emission factors published in the IPCC 2006 Guidelines for National Greenhouse Gas Inventories, Volume 2 (Energy), Chapter 3, have been used.
- **Net calorific value:** Taken from the IPCC 2006 Guidelines, Volume 2, Chapter 1, Table 1.2.
- **Global Warming Potential (GWP):** The GWP100 (Global Warming Potential) coefficients published in the IPCC Sixth Assessment Report (AR6) have been used.
- **Energy, transport, waste, water, raw material, and product use factors:** Taken from the UK Government GHG Conversion Factors for Company Reporting (DEFRA 2024) database.
- **Electricity emission factor:** The location-based grid emission factor for Türkiye, published by TEİAŞ (0.478 tCO2e/MWh), has been used. Electricity transmission and distribution losses have been separately calculated under Scope 3 emissions, based on the loss rate published by TEİAŞ.

Declaration and Approval

Declaration and Approval

This Carbon Reduction Plan has been prepared taking into account the current structure and reporting principles of PPN 006: Taking account of Carbon Reduction Plans in the procurement of major government contracts, and the associated “Technical Standard for Completion of Carbon Reduction Plans” guidance. Emissions have been calculated and recorded in accordance with the GHG Protocol Corporate Accounting and Reporting Standard and the organisation’s ISO 14064-1:2018-based greenhouse gas inventory approach. This revision was updated on 14 August 2026 to reflect BİOEKSEN’s current environmental practices, management system approach, and planned carbon reduction efforts.

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