



Energy Report 2025

We hereby present the “2025 Energy Report,” which outlines the activities carried out within the scope of our Energy Management System, a key priority of our company.

In accordance with our regulatory obligations, the energy consumption data for the previous year at our Etimesgut and Sincan factories were reported to the Ministry of Energy and Natural Resources via the Energy Efficiency Portal in March 2025.

As an export-oriented company serving a significant number of customers in Europe, close alignment with the European Green Deal has become a strategic necessity. Within this framework, efforts to calculate and verify our organizational carbon footprint in accordance with ISO 14064 standards have continued.

Energy consumption data and the related 2025 targets were periodically monitored on a departmental basis and regularly reported to senior management.

To optimize energy consumption, waste heat recovery practices were implemented at Foundry Plant-1. In this scope, the oil temperature of the compressors was transferred via heat exchangers to the boiler room of Machine Plant-1 and the DF-1 social building, thereby reducing natural gas consumption and enabling the effective utilization of waste heat. The recovered thermal energy has been used to sustain heating in the MF-1 workshops, field, offices, and cafeteria, as well as to meet the domestic hot water requirements of the social facilities. Additionally, compressor exhaust air has continued to be utilized for heating the Box Maintenance Stock area and the Core Assembly area.

Daily and monthly monitoring of specific electricity and natural gas consumption data was carried out and shared with the Production and Maintenance Directorates through regular energy activity reports.

The energy analyzer reporting system was actively used to continuously monitor electricity consumption across Erkunt-1 and Erkunt-2 facilities. Identified increases in consumption were analyzed and communicated to the relevant departments for corrective action.

The ongoing transition from diesel-powered forklifts to electric forklifts has contributed to a reduction in diesel fuel consumption. Furthermore, the fuel consumption of existing diesel forklifts and trucks has been monitored through a license plate-based vehicle identification system, enabling improved fuel efficiency by assigning the most appropriate vehicle to each task.

Illumination level measurements were regularly conducted in all work areas, and LED lighting systems are used throughout the factory. In addition, periodic grounding inspections and internal transformer and electrical wiring checks were performed.

Finally, for the Erkunt-1 Mechanization Line, cost savings were achieved by transitioning to a dual-term/single-time electricity tariff class as of December 2021.