



## Energy Report 2022

With the "2022 Energy Report", we share with you our activities carried out within the scope of Energy Management System Activities, which are among the priorities of our company.

Our energy consumption in our factories in Etimesgut and Sincan locations was reported to the Ministry of Energy and Natural Resources in March 2022 in accordance with our regulatory obligations.

2022 energy consumption and targets on the basis of departments were periodically monitored and presented to the senior management.

Work continued on 4 team kaizens for energy consumption optimization. These are aimed at reducing the specific consumption of electrical energy in all factories and fields, as well as detecting air leaks through routine checks, taking necessary actions and reducing leaks. In this context, actions were taken and improvement efforts were emphasized. The results of the systematic to reduce air leakages were presented to the senior management in the energy activity report prepared periodically. As a result of the studies, one of the 4 team kaizens, "Reducing the Specific Electricity Consumption of the Machinery Plant-1" was completed.

Electricity and natural gas specific consumption data, which are monitored on a monthly basis and published in monthly energy activity reports, have been monitored daily and started to be reported and shared with Production and Maintenance Directorates.

It was aimed to reduce natural gas consumption in the heating process of the Machinery Plant-1 by sending the oil temperature of 5 compressors in the Compressed Air Systems in the Foundry Plant-1 to the boiler room through a heat exchanger. The "Compressor Waste Heat Recovery" efficiency improvement project application was submitted to the Ministry of Industry and Technology within the scope of 5th Region Incentives. The project is at the approval stage as of January 2023. Following project approval, installation and assembly works will be initiated.

With the electric forklifts purchased instead of diesel forklifts, our diesel consumption continued to be reduced.

The diesel consumption of the existing diesel forklifts and trucks was analyzed through the vehicle identification system connected to the license plate. By allocating the appropriate vehicle for the appropriate job, efficiency increase in diesel consumption was achieved.

With the Energy Corner articles in Erkunt Bulletin, current issues continue to be shared with all our employees.

In the improvement works carried out within the scope of Kaizen projects, energy gains continue to be evaluated in the projects.

With the energy analyzer reporting system, feedbacks are taken into account and user-oriented development continues.

Light intensity measurements are made regularly in work areas. Periodic grounding and internal installation transformer checks were carried out.

For the Erkunt-1 Mechanization line, a gain was achieved by switching to the double term / single time tariff class as of 2021/12.