



## Energy Report 2020

We present our studies performed as part of Energy Management System Activities, which is among the priorities of our company, with the “2020 Energy Report”.

Our energy consumption used in our Erkunt-1 and Erkunt-2 plants has been reported to the Ministry of Energy and Natural Resources.

Energy monitoring results and objectives on the basis of departments in 2020 were periodically followed up and presented to the top management.

Five team kaizens have been launched for energy consumption optimization. Four of them are aimed at reducing the specific consumption of electrical energy in all factories and areas, as well as detecting air leakages through routine controls and taking necessary actions to reduce leakages. Within this scope, actions and improvement studies have been initiated. The results regarding the systematic of reducing air leakage will be presented to the top management via the periodically prepared energy activity report. Another team kaizen initiated within the scope of energy consumption optimization is aimed at reducing the unit cost.

Our diesel consumption has been continued to be reduced, throughly electric forklifts superseding diesel forklifts.

Diesel consumption for existing Diesel Forklift and Trucks has been examined from vehicle identification system linked to the license tag. Assigning appropriate vehicle to the appropriate job, an increase in productivity was achieved in diesel consumption.

As part of the VAP project, the LED lighting project has been completed.

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

Energy gains continue to be evaluated in the improvement works in the scope of Kaizen projects

The installation of the energy analyzer reporting system has been completed and the software side continues to be developed as user-driven, considering feedback.

Luminous intensity measurements are made periodically in the work areas. Controls related with earthing, indoor electrical installation and transformer are also made periodically.

Data on electricity consumption is followed in machining plant 1, installing energy analyzers on the milling machines selected as a pilot scheme.

The energy audit was completed in Erkunt-1 site and improvement opportunities were reported by Enve Company.

Renewable energy resource researches have been started. Feasibility studies were made for solar panels covering the roof of machining plant 2.

As a result of the changing billing system trainings in the scope of the Last Source Supply Tariff; energy cost per unit reduction studies have been made in the way that production is put emphasis in the hour intervals where the energy cost is low.

Regarding the Last Resource Supply Tariff, contracts were renewed for our three locations by negotiating with energy supply companies.