



**ΜΥΛΟΙ ΘΡΑΚΗΣ**

Ι. ΟΥΖΟΥΝΟΠΟΥΛΟΣ Α.Ε.



ALEXANDROUPOLIS 1/3/12

Dear Dr. Satsios,

We would like to state the following as far as the electrical energy saving project that was implemented by your company SEMAN S.A. in our industry THRACE MILLS S.A. in Aleksandroupoli, Greece.

Project focused on the optimal energy management by improving current-voltage quality and consequently an improvement in motors and power transformers efficiency as well as a minimization of reactive currents within the electrical installation of the industry.

Following the completion of the project measurements took place and calculated large voltage-current harmonics reductions, drastic reactive current reductions, improvement of loads local power factors and significant reduction in average total current of sub-panels that supply electrical loads.

Afterwards, we compared the electrical energy consumption of the past in relation to the energy after the implementation of the project, taking into account the production data, operation hours of factory, as well as ambient temperature, which affects energy consumption. With this electrical energy consumption comparison, the achieved percentage of energy saving was found to be larger than initially guaranteed by SEMAN S.A.

Additionally, in the long term after the completion of Optimal Energy Management-Saving project found that:

1. Discharge of electrical equipment, reduction of maintenance costs and increased expected lifetime of all electrical equipment.
2. Significant increase in the reserve of electrical installation of the industry, as currents reduced significantly. This means that with the existing wiring infrastructure, electrical panels can supply new loads until the limit of the new reserve, without the need of extra expenses.

Therefore, we believe that the project done in our industry is completely successful and has met all initial goals you had set.

Yours Faithfully,

Athanasios Karakatsanis

Production Director

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