

To
SEMAN S.A.
6, Parodos Grypari str., Pefka
570 10 Thessaloniki
Greece

Thessaloniki, October 2, 2014

Dear Sirs,

In the following lines we present the findings regarding the Power Quality Improvement Project implemented by your company SEMAN S.A. in the electrical installation of St. Luke's Hospital. St. Luke's Hospital is a private medical institution of 278 beds, situated in the area of Panorama, Thessaloniki.

The project of SEMAN SA. concerned the optimization of power quality by reducing the harmonic current-voltage to all levels of electrical installation and the improving the efficiency of electric motors, of UPS systems for supplying the critical loads and power transformers.

After the completion of project, measurements and recordings were performed both during the Winter (low period) and during the Summer (peak period). It was observed a large reduction in currents, improved voltage levels, reduction in harmonic current and voltage and almost annihilation of the required reactive power.

Over 2 years of implementation of the project we have seen the following:

- Reduction in loads supply currents by 13,6%
- Reduction in maintenance costs of electrical equipment of the hospital

In conclusion, the project that you performed is considered successful.

The Director of the Hospital



Dr. Demosthenes Katsarkas