

MOSFILOTI REDUCE ENERGY CONSUMPTION WITH ENISTIC

Background

Mosfiloti Quarries based near Nicosia, Cyprus has been extracting and crushing aggregate since 1977. The privately owned company produces materials for the Cypriot building industry.

Following a steep rise in spend on energy and a decline in the Cyprus building industry, the need to cut overheads and become more competitive in the market was a priority for the management. Mosfiloti approached Enistic to see if their technology and expertise could assist in reducing the mines energy consumption without impacting production quantities and product quality.

Why Enistic?

Having provided thousands of companies worldwide with the technology and tools to become energy efficient, Enistic are specialists in the energy management field. This case study was prepared in conjunction with Ecoleaf - An Enistic reseller based in Cyprus.



Outcome

EcoLeaf Ltd installed and configured the Enistic solution, which reported back to the Energy Manager Online system. This enabled Mosfiloti to view the amount of energy being used so that trending and analysis of production processes and equipment energy usage patterns were better understood. By utilising the Energy Coaching service and reporting tools provided Mosfiloti were able to quickly map their consumption patterns with production cycles and differing electricity tariffs. This led to simple changes in scheduling times to maximise savings.

Thomas Vasiliou Chief Quarry Engineer of Mosfiloti said “The entire process from installation to accessing real-time and historical data, via the web portal, is both easy and intuitive. We look forward to working closely with Ecoleaf and Enistic to continue making improvements to our processes and profits”.

“The S.E.A energy management system has been installed at our quarry to monitor the electrical consumption of our production equipment along the entire process. The main objective was to understand the energy requirements and other parameters within the process. Based on the data analysis we have been able to identify clearly where we waste energy, how to improve peak demand against production schedules and generally improve efficiency. This has led to a significant reduction in our electricity consumption and contributed towards lowering our cost base.”

**THOMAS VASILIOU, CHIEF QUARRY ENGINEER
MOSFILOTI**

