Alarko Carrier, is Pioneering in Energy Savings

Alarko Carrier, which is a candidate to be one of the pioneering companies in energy savings became the first Turkish company obtaining “Energy Management System Standard” of BSI. Alarko Carrier EH&S and Utility Operations Manager Erkin Savçın, stated that certain companies among İSO First 500 list have also applied for candidacy.

Alarko Carrier EH&S and Utility Services Manager Erkin Savcin, who stated that they aim to bring permanent and solid solutions for energy savings, said that as a first step they have adopted BS EN 16001 Energy Management System from BSI.

Savcin who stated that they aim to make energy savings with the works covering the factory that is situated in Gebze Organized Industrial Zone and with BS EN 16001 Energy management system standard also said: “While achieving energy savings we are aiming to make this become controlled and sustained. When you receive the standard you have to make annual plans regarding energy usages”. >>>


Alarko Carrier, enerji tasarrufunda öncü oldu

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Savcin who stated that they were pleased to leave the leading institutions of Turkey behind also said: “The work we do is not a costly one but the companies are not acting in a consious way as necessary. Developments coming out due to Energy Law will increase applications. In our works we have achieved savings amounting to 1 million and 145 thousand TL since 2004”.

“We reduced greenhouse gas emissions”

Savcin who stated that energy savings had a different dimension apart from their contribution to country’s and company’s economy, said that as a company they paid great attention to the release of greenhouse gases and that they realize works to reduce them. He stated that following the works being realized at Gebze factories a reduction of 24.7 percent was achieved and that a reduction of 25 percent was achieved at Dudullu factories. Savcin who stated that as a company they achieved very successful results in the project works reducing energy usages, also said: “As a result of office lighting works we realized we achieved electricity savings with ratio of 45 percent and in building exterior front and environment lighting w achieved electricity savings of 42 percent and in production lighting we achieved electricity savings of 48 percent. By avoiding leakages in pressurized air systems we achieved electricity savings with ratio of 54 percent”. Savcin stated that they have received information that works are about to be completed for EN 16001 standard to be released as ISO50001 in the coming year and he said that after its being published in ISO form they expected it to have validity at the level of documents such as ISO14001- OHSAS 18001.

ALARKO CARRIER ENVIRONMENT, SAFETY AND SOCIAL RESPONSIBILITY POLICY

At our factory situated in Dudullu where panel radiator production is realized and at our facilities situated in Gebze where heating, pump and air conditioner products are produced, as per social policy, environment, health and work safety traditions of Alarko and Carrier and EN 16001, ISO 14001, OHSAS 18001 and SA 8000 Standards;

- By keeping work places away from hazards and by ensuring services are sqafe and that employees are protected from accidents and risks,
- By avoiding occupational diseases such as working diseases and non-ergonomic working problems,
- By eliminating all kinds of discriminations during dismissals and wages during recruitments, by not employing child workers, and by respecting organization rights of all personnel,
- By adopting protection of natural environment in all our activities as a principle and ensuring avoidance of contaminations and by controlling usages of natural resources and eliminating wastes and improving efficiency and ensuring reduction of usages,
- By monitoring energy usages for all situations and processes and developing projects to reduce usages and increasing efficiency by searching for alternative sources,
- By improving employee satisfaction and achieving continuous success in the performances being recorded,
- They meet the requirements specified in Turkish labor Legislation and laws relating with environment, health and work safety.

What is BSI?

BSI (British Standards Institution) which has been established in 1901 as the world’s first national standardization institution is an unbiased institution offering standard based solutions to its customers regarding defense, determination and application of best applications in each area relating with people and ranging from work continuity to food safety and enabling for them to live safely and operating in more than 100 countries in the world.

BSI; enables development and sales of private, national and international standards and other supportive publishings, detection and certification of second and third party management systems, testing and certification of products and services, performance management software solutions and training services supporting the best applications.

What is EN 16001?

EN 16001 assists companies to establish the systematic to determine systems and procedures for having an effective management to reduce company costs and their greenhouse emissions.

EN 16001 represents the newest and best applications being structured on the international recognized standards and applications. Standard defines requirements for EMS (Environment Management System). While this standard helps the companies develop and implement their energy policies, it determines important areas in energy consumption and specifies energy management tools, targets and programs.

Requirements for establishment of EN 16001 System: They are composed of determining the needs of organization, establishment of energy policy and energy targets, reviewing topics relating with energy for the beginning, specifying necessary processes and responsibilities, determining resources directly relating with energy targets, establishing methods that can observe and analyze energies, defining efficient energy and energy performance indicators, provision of effective tools for operational controlling, continous inspection and review of efficient energy usages.

Main particulars: Purposes and objectives of energy policy being defined are constituted of defining energy particulars and effects in a systematic way, having defined processes and procedures, defined and shared tasks and responsibilities, specification of activity controls, monitoring and measurement of energy consumptions, making correlations between energy consumption and relevant particulars, and reviewing of performances by top management at regular intervals.

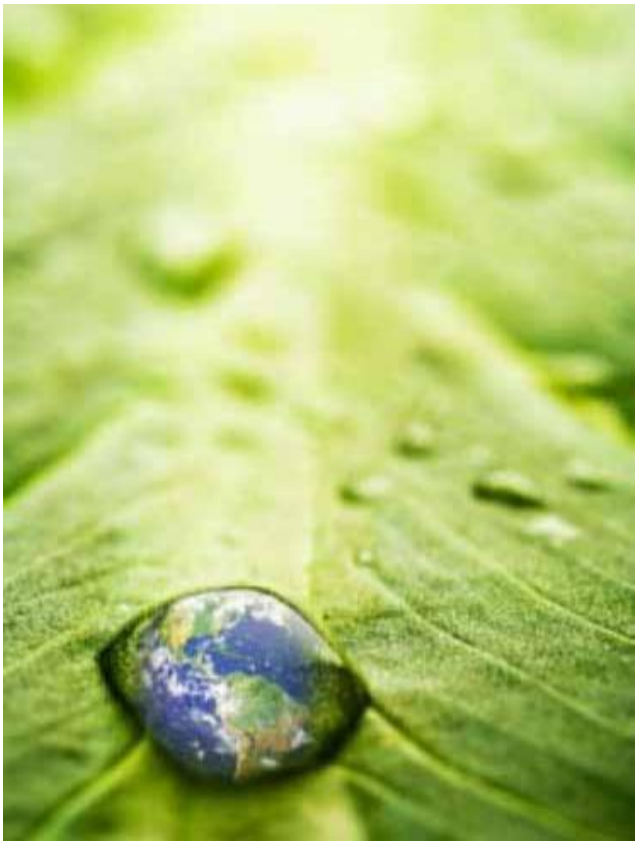
Benefits: They are related with participation of top management, giving directions and focusing, having energy management as embedded within the institution and nothing is wasted. It is focused on particulars that provide maximum amount of savings. There are process maps that enable a more effective process and there is consistency in applications. Employees are trained, competent and they are aware of their tasks, assignments and responsibilities and they contribute more in ensuring harmonization.

By minimizing the risks of occurrenc of situations that can cause deviations in energy consumption, energy consumption becomes predictable. Hidden and unknown wastes and deviations become apparent and necessary actions are started.

Precise information that facilitate decision taking process are obtained.

Tendencies become apparent. Areas that are open for development and weaj points are determined and actions are started. Focusing of top management on continuous improvement is sustained.

“We minimized water and electricity consumption.”



Alarko Carrier Utility Operations Manager and Energy Director Erkin Savcin who stated that as Alarko Carrier they have installed digital counters at 42 different points to monitor and control water usages, processes, usages with sink, shower and domestic purposes has said that by enabling communication with a central computer from these counters they have began to monitor usages online. Savcin who also stated that they are developing various projects to reduce water consumption, said that companies consuming water with amount of 28 thousand and 138 square meters are targeting to reduce their water consumptions to the level of 20 thousand square meters. Savcin is stating that this ratio will correspond to a reduction of nearly 29 percent. Savcin who stated that they are using a system providing opportunity for monitoring electrical consumptions through the computer online on basis of departments and machines regarding electrical energy savings also said:“For this purpose we placed digital counters at 42 different points and we provided communication between these counters and central computer. By means of online monitoring, peak hours of electrical consumption and energy being consumed by departments are kept monitored with instant changes. Concurrently project creation works to reduce electrical usages are also started and project results are observed. In this way between years of 2001 and 2010 nearly 33 percent reduction is achieved in electricity usage.