



Environmental performance indicators case study

• Continuous improvement

Quality Food Company, meat processor, Jordan

The company and its motivations

Located in the south of Amman, Quality Food Company (75 employees) produces sausages and canned meat. A few years ago, the company implemented environmental actions by using the Good Housekeeping Guide. This led to successful energy and water saving programmes. The company is now certified ISO 9002 and ISO 14001 and continues to carry out environmental improvements. Quality Food decided to make the most of the indicators collected by developing an environmental performance information board.

Selection of Indicators

During the process, the meat is cooked in large stoves by using steam provided by a diesel boiler. Quality Food focused principally its environmental management system on these two aspects: water and energy consumption. The management decided to express the consumption in a monetary unit and to link it to the production:

- water consumption per output (JD/tonne)
- water treatment chemical per output (JD/tonne)
- diesel consumption per output (JD/tonne)
- electricity consumption per output (JD/tonne)

• Environmental performance indicators

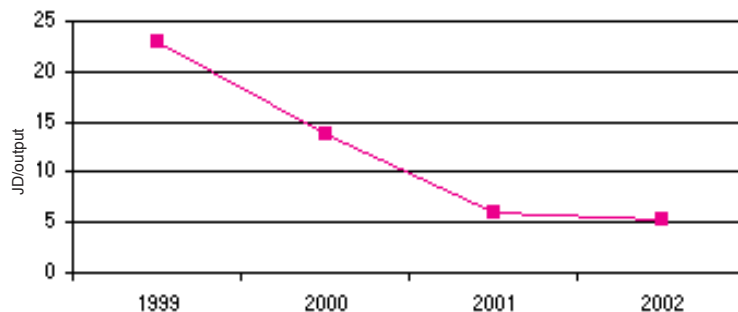


Fig 1: Water costs per tonne produced

Comments:

The water-saving actions driven by the Good Housekeeping Guide led in 4 years to a reduction of 77% of the water consumption per tonne of meat produced.

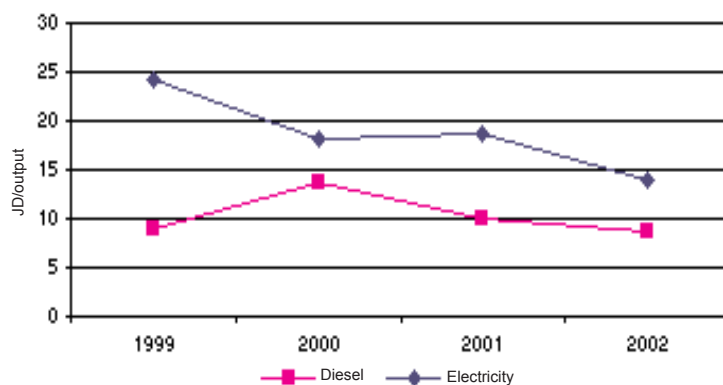


Fig 2: Energy costs per tonne produced

Comments:

An energy committee was established with the aim to develop an energy-saving plan. The first positive results began in 1999 with the reduction of the electricity consumption followed in 2000 by the reduction of the diesel consumption. In 4 years, the electricity consumption has been reduced by 41 % and the upward trend of the diesel consumption stopped and then reversed.

• Interpretation and corrective measures

Indicators	Interpretation	Action	Payback
Energy consumption per output produced	To evaluate the result of the eco-efficiency actions implemented.	Recycling of the steam. Installation of energy-saving devices. Rescheduling the machines to avoid energy consumption during peak hours.	8'300 USD/year
Water consumption per output produced	To record and follow the results of the water-saving actions.	Recycling of the steam. To wash machines and floor with high-pressure water. To change old pipes. Installation of water-saving devices.	5'400 USD/year

• Communication

With the Environmental Performance Information Board, Quality Food presented, in a single user-friendly document its environmental statement. This document is used to communicate its environmental results to the customers, to support the efforts of its employees as well as to prove, during the regular ISO 14001 audits, its environmental improvement.

• Monitoring

For its continuous improvement, Quality Food uses the Environmental Performance Information Board as an efficient tool to collect and follow its environmental impacts. It completes the environmental management system by presenting dense and concise information to decision-makers.

• For further information

• WHO IS SBA ?

SBA, Sustainable Business Associates, is an international non-governmental organisation (NGO) working to engage industrialist in 'eco-efficiency' with the aim of minimising environmental impact and improving business productivity. To pursue this aim SBA has initiated the DELTA Programme to sensitise industrialists to new business risks and opportunities, and to provide them with the management tools and training to move towards sustainable development.

• WHERE ARE THE DELTA NETWORKS ?

The DELTA Networks are operating in: Algeria, Egypt, Jordan, Lebanon, Libya, Mauritania, Morocco, Palestine, Syria, Tunisia and Turkey.

• SUPPORT TO DELTA



• WHAT IS DELTA ?

DELTA stands for **D**eveloping **E**nvironmental **L**eadership **T**owards **A**ction. Chapter 30 of Agenda 21 (an outcome of the 1992 United Nations 'Earth Summit') indicates that business & industry have a critical role to play in achieving sustainable development goals. After an initial awareness-raising phase, the DELTA Programme focused on structuring industrialists in 'business & environment' networks (DELTA Networks) in 11 countries of the Mashrek & Maghreb. These Networks are composed of key industrialists interested in taking a proactive role and leadership on environmental issues.

The DELTA Networks are practical, working structures for industrialists to obtain information & contacts, exchange experiences, develop environmental know-how, and gain access to practical management tools that can offer 'win-win' options based on ecoefficiency.

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The Environmental Performance Information Board, developed by SBA in collaboration with ABCD-Durable, completes the other eco-management tools developed within the framework of the DELTA Programme. It is based on the data collected, it enables companies to measure environmental impacts and to build performance indicators. Its 'monitoring' dimension acts as a thread in the implementation of an Environmental Management System (EMS).