



### • Systematic monitoring of environmental aspects Quality Food Company, meat processor, Jordan

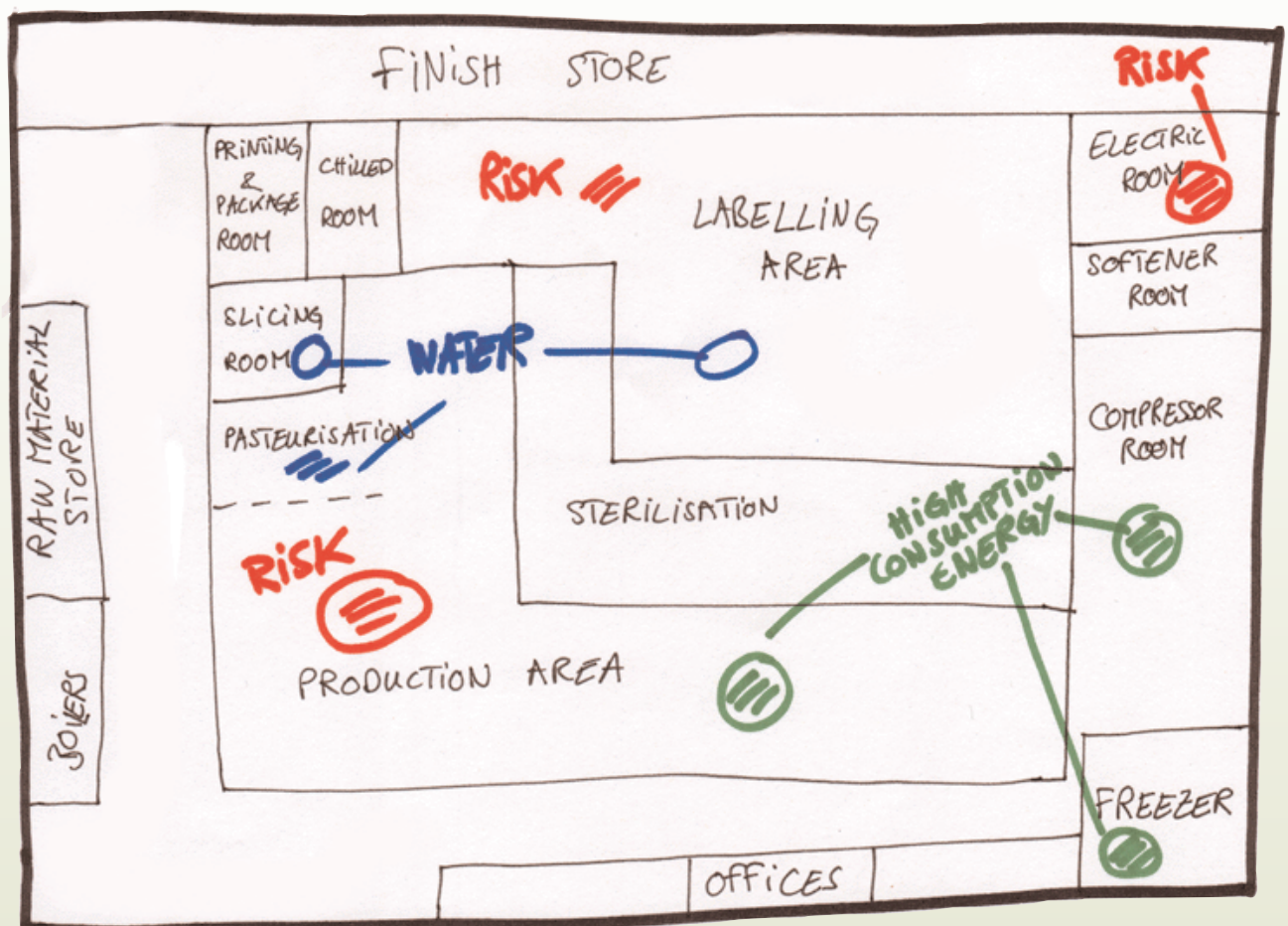
#### In brief

Quality Food Company (75 employees) is located in an industrial zone in the south of Amman. It mainly processes canned luncheon meat, mortadella and sausages. The management took a step forward a few years ago by applying the Good Housekeeping principles. This initiative led to an energy and water-saving programme, which managed to reduce the water consumption by 20% and the energy consumption by 15%. The company is now certified ISO 14001 and ISO 9002. As an environmental management system is already operational within the company, Ecomapping is used in addition to the Good Housekeeping checklists as a tool to document and record all environmental aspects that need systematic monitoring.

#### Application

By walking through the factory with the site maps, the environmental manager noticed a series of aspects that needed improvement. Two committees were established to deal with energy consumption and safety problems. Variable frequency devices were installed to save energy and the working hours of the machinery was rescheduled in order to avoid energy peak hours. An awareness-raising programme was established and individual safety equipment distributed to the workers where risky machines, such as boilers and freezers, are running. Moreover, to reduce water consumption, water guns were purchased and the radius of the pipes diminished so as to wash machines and floors with high-pressure water.

### • Ecomaps



## • Action plan

Environmental aspect	Corrective measures	Investment	Annual savings
Energy	Installation of variable frequency devices	32'390 US\$	8'300 US\$
Water	Replace the old pipes and install high pressure water guns	1'800 US\$	5'400 US\$
Risks	Awareness-raising training and distribution of safety equipment	14'000 US\$	120 US\$

## • Mini audit \*

In the workers' opinion, use of raw materials, consumption of energy as well as storage of the products appear to be the main problematic issues. Surprisingly, noise does not seem to be a disturbing factor.

Use of raw materials

Use and choice of energy

Storage of products

Reduction and control of noise

## • Lessons learned

Ecomapping is an efficient support for companies having already an environmental management system. Quality Food Company showed a high pro-active interest in the field of environmental preservation by using at first a basic environmental tool such as Good Housekeeping and then by getting the ISO 14001 certification. For its continuous improvement, the company uses Ecomapping as a documentation and monitoring tool.

## • For further information

### • WHO IS SBA?

SBA, Sustainable Business Associates is an international non-governmental organisation (NGO) working to engage industrialists 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 Developing Environmental Leadership Towards Action. 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 eco-efficiency.

### • SBA

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The **Ecomapping Guide**, elaborated by the Association Belge des Eco-Conseillers (ABECE, Belgium), is a visual tool that enables managers and their staff to assess the environmental performance of a micro-company or workshop. By drawing a set of maps (water, soil, risk, air, etc.) of the plant, the main environmental risks and sensitive areas of the factory can be identified. See <http://www.ecomapping.org>

\*The mini audit is a 120-second audit done by the workers to assess the company's environmental performance. The results of all staff are then consolidated in a table that is analysed and graphically interpreted.