

CLEANER PRODUCTION FACTSHEET

DIRANI & BROTHERS

BACKGROUND

Dirani & Brothers enterprise is located in the Bekaa valley. It has 50 employees. It produces mainly pickled vegetables and fruits like cucumbers, carrots, olives etc. The vegetables and fruits are collected from local farmers, washed, sorted, sliced and then pickled in brine for approximately one year. They are one of the major companies in the valley and a leading Lebanese exporting company.



EVALUATION STATEMENT FROM DIRANI & BROTHERS

We kindly thank the team of the Lebanese Cleaner Production Centre the huge support they provided us. Their assistance clearly reflected on our productivity, environment and savings in energy with a major revenue and benefit. The centre also guided our staff through its consecutive seminars, conferences and repetitive visits with steady steps towards the development of supervision, quality and performance and clearly helped in lowering expenses and energy costs.

Stemmed from the middle of hard circumstances and obstacles that were and are still blowing against the Lebanese industrial sector, the centre raised with sheer determination to answer our urgent needs, with an outstretched hand to push us forward and provide us with the latest technologies of production development and energy saving.

We thank you for your huge efforts, looking forward to continuing our cooperation, always wishing your wise administration the best of success and progress.

Mr. Ahmad Dirani,
Owner,
Darna.

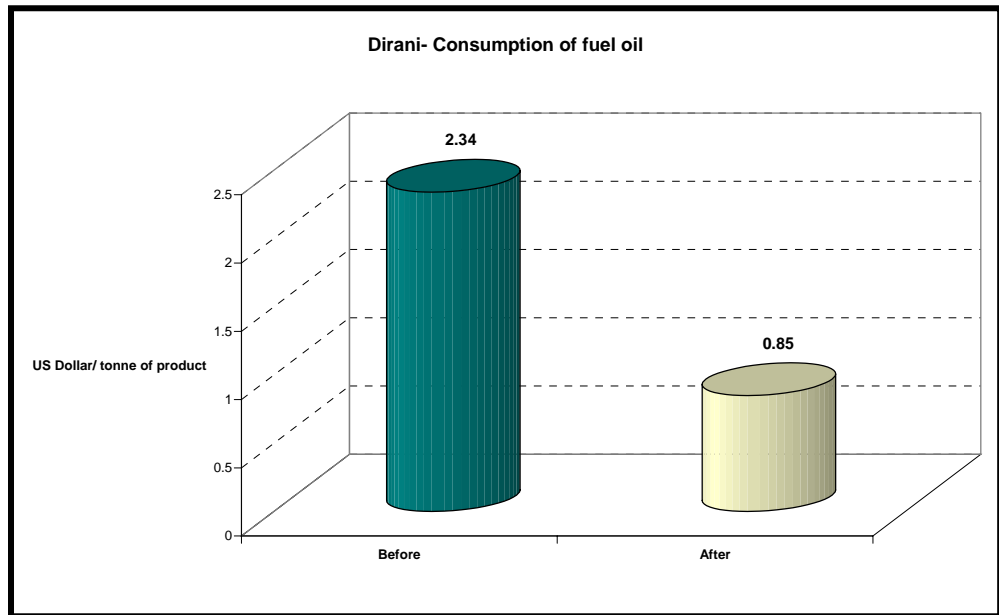
CP OPTIONS IMPLEMENTED AT DIRANI & BROTHERS

- Change boiler tubes
- Insulation of steam pipes
- Installation of new water buffer tanks



SAVINGS ACHIEVED AT DIRANI & BROTHERS

The application of these measures **saved \$22,000** at an **investment of \$26,000**. An example on the savings in the consumption of fuel oil is illustrated in the graph below.



The steam pipes at Dirani & Brothers before and after insulation:



CONTACTS

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