

CLEANER PRODUCTION FACTSHEET

AL-HAWA DAIRY PROCESSING PLANT

BACKGROUND

Al-Hawa Dairy has 22 employees. It has a capacity of production of 5000 litres of milk per day. The range of production covers around 25 types of dairy products which includes different kinds of cheeses, yoghurt and labneh. After reception of the milk, it is cooled immediately to preserve its high quality. Then the milk is pasteurized to guarantee highest hygienic standards. For the



production of yoghurt, the milk is inoculated and fermented. The product is ripened and packed. For the production of cheese the protein is coagulated. Then the whey is separated, if necessary salt is added and the cheese is ripened and packed.

EVALUATION STATEMENT FROM AL-HAWA DAIRY

إن المركز اللبناني للإنتاج الأنظف قد ساعد شركتنا الصناعي: معمل أجبان وألبان الهوا بتوجيهاته العلمية وفقا للمقاييس العالمية لتطوير الجودة والإنتاج الأنظف عن طريق معالجة التلوث وتخفيف هدر الطاقة من كهرباء ومياه ومازوت وعزل الحرارة الأمر الذي أدى إلى توفير ما يقارب ٢٠% من الطاقة المستهلكة.

نشكر المركز اللبناني للإنتاج الأنظف على مهامه ونتمنى له النجاح المستمر على أن تستفيد صناعات أخرى من خدمات وتوجيهات هذا المركز في تطوير إنتاجها ومراقبة الجودة.

شركة البان الهوش م.م.
في ٢٦/٥/٢٠٠٥
د. العم (هـ)
AL-HAWA DAIRY
S.A.R.L.

CP OPTIONS IMPLEMENTED AT AL-HAWA DAIRY

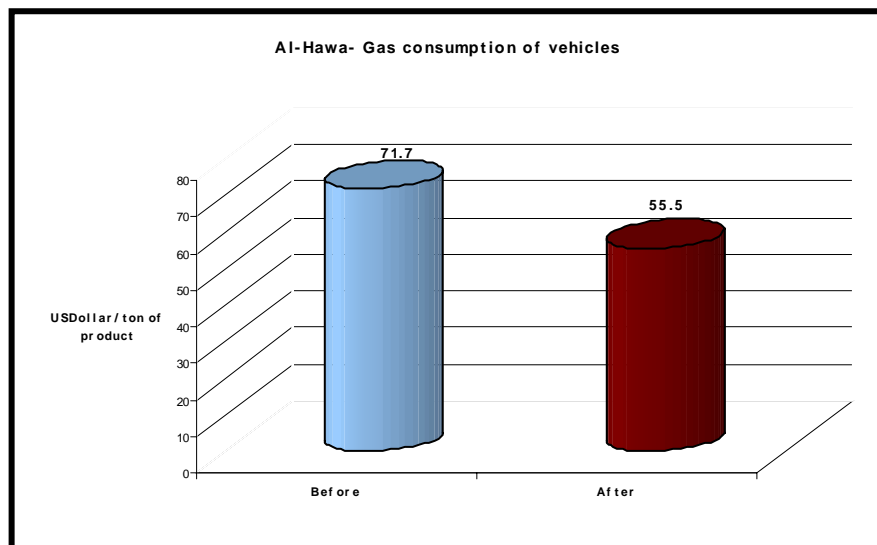
- Insulation of refrigeration lines,
- Insulation of hot water tank,
- Insulation of cheese fermentation room
- Concentration on one washing place
- Recovery of condensate of pasteurizer for cleaning
- Control of gas consumption of cars
- New, more efficient burner



SAVINGS ACHIEVED AT AL-HAWA DAIRY

The application of these measures **saved \$15,000** at an **investment of \$5,000** with a **payback period of 4 months**.

An example on the savings in the vehicles' consumption of gas is illustrated in the graph below.



The heater at Al-Hawa Dairy is illustrated below before and after insulation:



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