

# CLEANER PRODUCTION FACTSHEET

## AL-ASSI DAIRY PROCESSING PLANT

### BACKGROUND

Al-Assi Dairy has 12 employees. It produces 3400 litres of milk per day. The plant produces labneh, double-crème and other soft cheeses. The milk is received from local farmers in North Bekaa valley. Prior to production, the milk is pasteurised to guarantee the highest hygienic standards. After the addition of the starter, the milk protein is coagulated. Then the whey is separated, the curd is cut, salt is added and the cheese is ripened and packed.



### EVALUATION STATEMENT FROM AL-ASSI DAIRY

*“Our collaboration with LCPC brought us great savings in fuel and water consumption at Al-Assi Dairy. The economic benefits we achieved due to the application of CP options: \$9,600 encouraged us to hope for more savings. We therefore think that as we needed LCPC in the past, we will need it in the future to save on the environment and our budget.”*

*We thank LCPC and UNIDO for their much appreciated efforts and hope for more collaboration in the future. We are convinced that the sustainability of LCPC will bring us more benefits and hence more savings”.*

*Hassan Al-Hak,  
Owner,  
Al-Assi Dairy.*

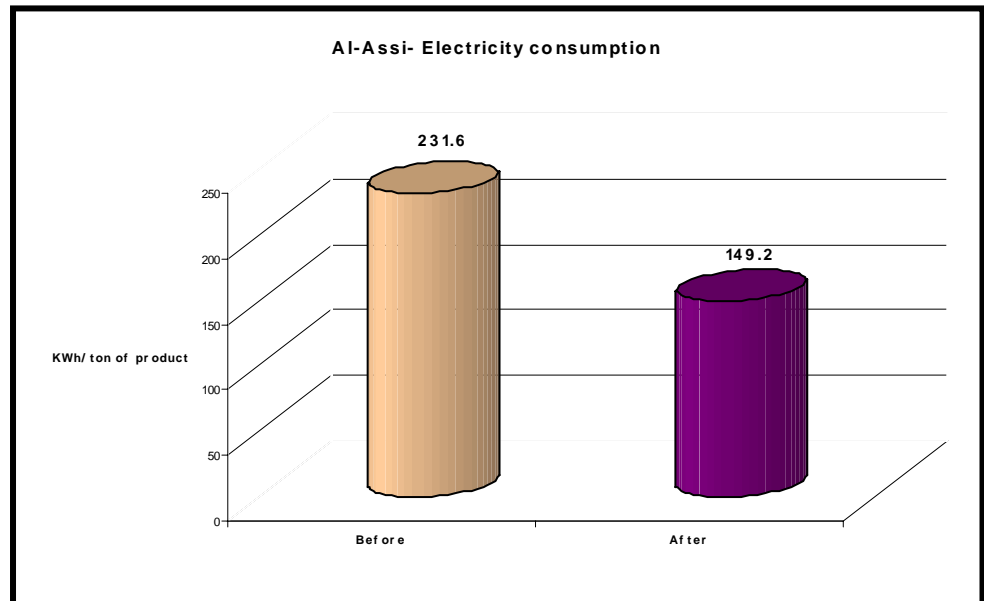
### CP OPTIONS IMPLEMENTED AT AL-ASSI DAIRY

- Concentrate cheese in one chilled room and optimise working hours of chiller
- Sell plastic waste
- Recycle and reuse water of chiller
- Use waste water for irrigation



## SAVINGS ACHIEVED AT AL-ASSI DAIRY

The application of these measures saved \$9,600 at an investment of \$0. An example on the savings in electricity consumption is illustrated in the graph below.



The plastic containers defected are resold as plastic waste:



## CONTACTS

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