



SUCCESS STORY

MODERNIZATION OF A DAIRY FARM

Dairy farms that produce for the domestic urban consumer market are amongst the most energy intensive agricultural operations, from mechanized milking to treatment including cooling and storing milk, heating water, lighting and ventilation.

With MorSEFF's assistance, Albane Sahel decided to initiate an investment program designed at increasing productivity and energy efficiency and reducing the company's environmental impact.

The eligible investment of MAD 15.8 million consisted of 2 milking parlors with efficient pumps and electronic speed drives, 2 solar systems for water pumping, 2 solar water heaters, efficient water boilers, efficient split air conditioners, and LED lighting.

As a result of this investment, the company is expected to save 2 033 MWh/year (or 88%) and reduce its CO2 emissions by 1 186 TCO2 e/year, resulting in a quick payback period of less than 3 years.



THE COMPANY

Industry- Agro-industry
Location – Casablanca, Morocco



INVESTMENTS

MAD 15.8 million on MAD 56.4 million total investment program
Milking parlors
High efficiency boilers and AC
Solar powered pumps and solar water heaters
LED lighting



PROJECT GOALS

Modernization of the farm
Increase productivity
Increase energy efficiency and use renewable energy sources



RESULTS

Energy savings : 2033 MWh/year
% Energy savings : 88 %
Reduction in CO2 emissions : 1186 TCO2e/year
IRR: 32 %
SPBP: 2.9 years

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