



## SUCCESS STORY

### COOLING SYSTEM AND ELECTRIFICATION OF A POULTRY BREEDER

Faced with increased poultry mortality during the hot weather season, Volasud, a poultry breeding company in the region of Marrakech, decides to modernize its production line by investing in new equipment aimed at reducing animal mortality while consuming less butane.

The company chose a pad cooling system for optimal climate control with improved reliability and more efficient energy consumption. The company also chose to invest in the electrification of livestock buildings to supply lighting, cooling, ventilation, food distribution, pumping and distribution of drinking water. The investment also included a new automatic feeding system to optimize the growth rate during the first period of life of the animal and to keep the food clean during the entire cycle.

The overall investment is expected to reduce energy consumption by 752 MWh/year (46%) and greenhouse gas emissions by 116 T CO<sub>2</sub>equiv/year. The payback period of the investment is expected to be 6 years.



### THE COMPANY

Food production  
Location - Marrakech, Morocco



### INVESTMENTS

MAD 3 200 000  
Poultry equipment  
Pad cooling  
Automatic feeding system



### PROJECT GOALS

Reduction of greenhouse gas emissions  
Decrease poultry mortality from heat  
Increase production capacity



### RESULTS

Energy savings: 752 000 KWh/year  
Reduction in GHG emissions: 115.9 TC0<sub>2</sub>equiv/year  
IRR: 16.8 %  
SPBP: 6.3 years