



SUCCESS STORY

RENOVATION AND FUEL SUBSTITUTION IN A BRICKS MANUFACTURING UNIT

Facing increasing fuel costs and strong competition in the clay bricks market, Briqueterie Slaoui approached MorSEFF for technical assistance and financing of a renovation project aiming at improving energy and production efficiency.

The company decided to invest in the installation of three fans for the brick furnace to recover hot air from the cooling zone to supply the pre-oven area, a fresh air injection equipment, an air pulse cooling system, and a continuous oven control system to optimize energy consumption while ensuring stability. This renovation should also enable the company to replace 70% of its consumption of fuel oil by petroleum coke.

As a result of this 5.4 million dirham investment, the average energy consumption will decrease by 23% or 14 GWh/year and the production will increase by 18%. In addition, the replacement of fuel oil by petroleum coke contributes to reducing CO2 emissions by 10% and avoids the installation of fuel storage facilities. This project has an excellent payback period of 1.5 years.



THE COMPANY

Bricks manufacturing
Location – Salé, Morocco



INVESTMENTS

MAD 5 420 690
Fans for furnace
Air injection system
Cooling system



PROJECT GOALS

Reduction of energy consumption
Reduction of greenhouse gas emissions
Increase in production



RESULTS

Energy savings: 14 620 MWh/year
Reduction in CO2 emissions: 3 078.2 TC02equiv/year
IRR: 69.9 %
SPBP: 1.52 years

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