



SUCCESS STORY

RENEWABLE ENERGY: THERMAL ENERGY PRODUCTION FROM BIOMASS IN A HOTEL

Facing increasing energy bills and significant propane consumption, Aqua Mirage, a four star hotel in Marrakech, approached MorSEFF to evaluate and finance its renewable energy project.

This project aims to generate thermal energy used for water heating from biomass, a renewable source. The new boiler should enable the hotel to reduce its propane consumption and reduce its greenhouse gas emissions. In addition, the thermal energy produced by the boiler will serve to heat the swimming pools (previously not heated), providing more comfort to the clients.

As a result of this MAD 3.7 million investment, the average energy consumption (propane) will decrease by 2.7 GWh/year corresponding to a total of 214 tons of propane and the CO2 emissions will decrease by 771 t per year. The payback period of the project is less than 4 years.



THE COMPANY

Hotel
Location – Marrakech, Morocco



INVESTMENTS

MAD 3 750 000
Biomass boiler



PROJECT GOALS

- Reduction of energy consumption (propane)
- Use of renewable energy
- Reduction of greenhouse gas emissions



RESULTS

- Energy savings: 2 733 MWh/year
- Reduction in CO2 emissions: 771 TC02equiv/year
- IRR: 22.54 %
- SPBP: 3.8 years