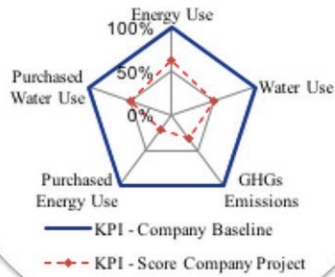


Technical KPIs Scores (project)



## SUCCESS STORY

### HOTEL RENOVATION AND MODERNIZATION PROJECT TO REDUCE ENERGY AND WATER CONSUMPTION

Facing increasing energy and water consumption, Rembrandt, a hotel in Tangier, approached MorSEFF for technical assistance and financing of its modernization project consisting of replacing two boilers by a system combining thermal solar and heat pump for hot water production.

The solar system allows the production of 27.5% of the hot water requirements and the heat pump 72.5%. This new combination will enable the hotel to reduce its energy and water consumption and to reduce its greenhouse gas emissions. Also, the project includes the installation of a modern laundry composed of two washer-extractors, two rotary dryers and a dryer ironer which will enable the hotel to reduce its average water consumption from 15 to 7.2 l/kg.

As a result of this investment, the average energy consumption of the water heating equipment will decrease by 164 MWh/year (63%) and the emissions will decrease by 30.3 TCO<sub>2</sub>equiv per year (33.1%).



### THE COMPANY

Hotel  
Location – Tangier, Morocco



### INVESTMENTS

MAD 603K (of MAD 1.6 million total)  
Heat pump  
Thermal solar unit  
Laundry room equipment



### PROJECT GOALS

Reduction of energy consumption  
Reduction of water consumption  
Reduction of greenhouse gas emissions



### RESULTS

Energy savings: 164 000 kWh/year  
Reduction in GHG emissions: 30.3 TCO<sub>2</sub>equiv/year  
IRR: 10.1 %  
SPBP: 9.37 years

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(This Fund is supported by Australia, Finland, France, Germany, Italy, the Netherlands, Norway, Sweden, Taipei China and the United Kingdom)