

ENERGY AUDIT IN A HOTEL

by

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SUMMARY

This project is concerned with Energy Audit applied in a hotel in Nicosia.

The aim of this project was to describe the various energy using processes of the hotel, carry out an energy survey and prepare an energy audit. Then propose various conservation schemes and carry out a cost estimate of the above schemes and finally prepare instructions necessary for implementing the above schemes.

The building under examination was "Hilton International Cyprus" Nicosia's, only five-star business and resort hotel with 230 rooms and suites, located near the centre of Nicosia.

This report consists of eight chapters.

Chapter 1 discusses the importance of energy conservation.

Chapter 2 gives informations about energy auditing.

Chapter 3 describes the man-power factor.

Chapter 4 deals with the description of the hotel.

In Chapter 5, the main energy using processes used in the hotel are analysed.

Chapter 6 gives the present situation of the hotel.

Chapter 7 is concerned with energy conservation schemes.

In chapter 8 payback periods are given.

Finally, in conclusions we have a brief summary of the energy conservation schemes suggested.

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