

Title: DESIGN OF SOLAR HOT WATER
SYSTEM FOR A HOTEL

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INTRODUCTION

Energy problems have always absorbed great effort and research from scientists. The shortage of coal and oil, and the big problems concerning the use of nuclear energy has lately lead to the scientists searching for other non-conventional sources of energy. Wind, ocean, wave, underground heat, biogas and solar energy have been and are being examined.

Solar energy has found most applications and has proved efficient and economical to some applications. Space heating, cooling and electricity are some functions achieved. But, water heating for sanitary purposes is probably the best use of solar energy. The present use of the solar energy for domestic water heating in Cyprus is a solid proof.

What about solar hot water services for Hotels? Little has been done out this in Cyprus, and it should be further seen into.

A medium hotel was chosen and a solar hot water services system will be designed. Auxiliary energy (oil boiler) is available.

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