

**DESIGN OF THE  
TELECOMMUNICATION SERVICES  
OF A HOTEL**

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## INTRODUCTION

In this project we deal with the analytical design of the Central Antenna System, Sound Distribution System and Telecommunication System of a hotel located in Ayia Napa.

The project includes general theoretical points on the objectives, followed by the actual practical suggestions, which are carried out with reference based to the building's drawings provided and on various standards which are internationally accepted. Finally the design is completed by the selection of proper equipment to satisfy the requirements of design.

Before starting the design procedure of such central systems, it is very important to know all possible information related to the installation that is going to be designed. Then care must be taken to select proper equipment to be used throughout the installation. The selection must satisfy both factors of best quality and value of money. The whole design procedure must be carried out step by step carefully and the calculations of every step must be checked analytically. A very small fault may bring bad results which do not coincide with the initial design requirements. At the end a real estimation of the material and labour cost is done.

This specific project deals with the installation of a central antenna system, a sound distribution system and a telecommunication network in a hotel in Ayia Napa. This hotel consists of a basement, a ground floor and the first floor. In the basement there is only the existence of the telecommunication system.

The project is divided into four chapters. Chapter one for the Central antenna system. Chapter two for the Telecommunication system. Chapter three for the Sound distribution system. Chapter four for the Tender analysis.

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