

**DESIGN OF THE ELECTRICAL
SERVICES OF A CHURCH**

by

Marios Ploutarchou

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INTRODUCTION

The purpose of this project is the design of the electrical services of a church.

Chapter one gives useful information and definitions that are found in this project.

Chapter two refers to protection against overcurrent and earth leakage currents. Also refers to the various protective devices which are used.

Chapter three deals with the earthing of an installation.

Chapter four refers to inspection and testing of a complete installations.

Chapter five includes all the illumination work carried out in order to determine the correct wattage and number of fittings in every area.

Chapter six deals with the lighting calculations.

Chapter seven deals with socket outlet calculations.

Chapter eight deals with the fixed appliances calculations.

Chapter nine deals with storage heaters calculations.

Chapter ten deals with sound system calculations.

Chapter eleven has to do with a lightning protection system.

Chapter twelve deals with the calculations of the main cables.

Chapter thirteen includes the single line diagram of the installation.

Chapter fourteen gives some details about the telephone installation of the church.

Chapter fifteen deals with the analytical costing of this project.

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