HICHER TECHNICAL INSTITUTE

ELECTRICAL ENGINEERING COURSE

DIPLOMA PROJECT

DESIGN OF THE ELECTRICAL SERVICES OF A FACTORY

CHRISTOFOROU CHRISTOS

E. 1429

JUNE 2008

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### **PROJECT REPORT SUBMITTED BY**

### **CHRISTOFOROU CHRISTOS**

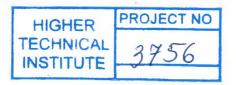
#### TO THE DEPARTMENT OF ELECTRICAL ENGINEERING OF

#### THE HIGHER TECHNICAL INSTITUTE

#### **NICOSIA-CYPRUS**

**JUNE 2008** 

**PROJECT SUPERVISOR: MR G. KOURTELLIS.** 



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## **Introduction**

#### **Title: Design of the Electrical Services of a Factory**

#### The objectives of the project are:

- 1. To design the complete electrical installation of a Factory which includes the following:
  - i. Power (standby by generator, parking, store, offices)
  - ii. Lighting
  - iii. Telephone and data distribution
  - iv.Fire and Burglar alarm
- 2. To provide all necessary diagrams schedule of materials and costing including labour.

#### **<u><b>Terms and Conditions:**</u>

- 1. Three-phase 415 Vrms 50Hz, T.T. earthing system.]
- 2. Architectural drawing will be provided.
- 3. The IEE Wiring Regulations 16<sup>th</sup> Edition as currently amended and the local EAC conditions of supply must be complied.
- 4. The illumination design must be in accordance with the CIBS code.
- 5. CYTA requirements to be taken into consideration.

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