### HIGHER TECHNICAL INSTITUTE

ELECTRICAL ENGINEERING DEPARTMENT

### DIPLOMA PROJECT

# PLG CONTROL OF ANIMAL FEED RATIOS PRODUCTION PLANT

E. 1343

BY ALEXIS IOANNOU

JUNE 2004

### HIGHER TECHNICAL INSTITUTE

# ELECTRICAL ENGINEERING DEPARTMENT

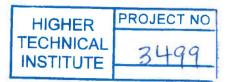
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### PLC CONTROL OF ANIMAL FEED RATIOS PRODUCTION PLANT

### BY ALEXIS IOANNOU

In partial fulfillment of the requirements for the award of the diploma of technician engineer of electrical engineering department, H.T.I Nicosia, Cyprus

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### PLC CONTROL OF ANIMAL FEED RATIOS PRODUCTION PLANT

#### BY

#### **ALEXIS IOANNOU**

#### **SUMMARY**

This project covers all background of PLCs and also gives a complete and verified solution to the development of the automatically controlled feed ratios production plant. Chapter 2 contains the history of the PLC its structure the capabilities and features and information about the operation of the PLC. Chapter 3 analyses and compare the different types of programming devices, explains ladder programming language and instructions. Chapter 4 contains information about the feed production plant, gives the requirements for the process. The solution to the problem is also present and the four ladder programs. The operation of each program is explained and the purpose of each rung or instruction is stated to help the reader to understand the given solution. At the end of this chapter a statement of the improvements that should be made when this system will be installed in a real environment is given followed by the conclusions.