

HIGHER TECHNICAL INSTITUTE

ELECTRICAL ENGINEERING DEPARTMENT

DIPLOMA PROJECT

**PLC CONTROL OF ANIMAL FEED
RATIOS PRODUCTION PLANT**

E. 1343

**BY
ALEXIS IOANNOU**

JUNE 2004

HIGHER TECHNICAL INSTITUTE

**ELECTRICAL ENGINEERING
DEPARTMENT**

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HIGHER TECHNICAL INSTITUTE	PROJECT NO 3499
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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

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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.