H. T. I.

ELECTRICAL ENGINEERING COURSE
DIPLOMA PROJECT

LOADING A GRAIN STEEL SILO USING
A PROGRAMMABLE CONTROLLER

E / 1139

DANIEL M. YIAPANIS
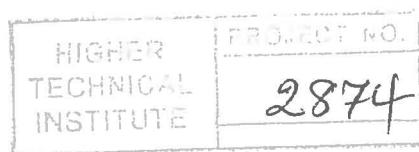
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(

SUBMITTED BY :

DANIEL M. YIAPANIS

in partial fulfilment of the requirement of the

award of the Diploma of the Technician Engineer

in Electrical Engineering of the

Higher Technical Institute,

CYPRUS.

PROJECT SUPERVISOR :   Mr. E. Michael BSc MSc lecturer in
                         Electrical Engineering, HTI

JUNE - 1998
H.T.I.

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Mr Pambos Stavrinides for his general knowledge and information on programmable controllers.

My father for providing me with additional information on the grain steel silo.

My Mother for typing of the project.

CONTENTS

P R E F A C E

AUTHORS NAME: DANIEL M. YIAPANIS

DIPLOMA PROJECT TITLE: Loading of a grain steel silo
                          using a programmable controller

By reading this project someone gets more familiar with the logic
of programmable controllers aswell as the programming language
Ladder Diagram.

In chapter 1 an introduction is made into the programmable controller
which enables someone to get a general idea of what plcs is all
about.

In chapter 2,the different kind of programming languages are viewed
and the reason of choosing the ladder diagram is also given in this
part.

In chapter 3,the most important part of the project,a practical
application can be found for loading a grain steel silo using a
 programmable controller and ladder diagram for programming language

  In chapter 4, the costing is made.

The most important subject in this project is the programm for
controlling the loading of the grain steel silo.

This project only covers partly the great things which can be
achieved in programmable logic controllers which are defenatly
opening new boundaries for future technology