HIGHER TECHNICAL INSTITUTE

ELECTRICAL ENGINEERING DEPARTMENT

DIPLOMA PROJECT

DESIGN OF A POLISHING MACHINE CONTROL USING PLC

by

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PROJECT REPORT

"DESIGN A POLISHING MACHINE USING PLC"

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THANK YOU
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SUMMARY

TITLE: "Polishing machine control using Programmable controllers"

AUTHOR: Nicolaou Monica

The report investigates the programming capabilities of a "ladder language". It also examines the characteristics and capabilities of Programmable Controllers. Then an application programme using the Programmable Controller for a polishing machine process is developed. Finally, the program analysis, costing and comparison with conventional methods are given.

The application program is based on the Allen-Bradley SLC 500 Programmable Controller's instruction techniques and the PLC of the H.T.I.

The unique feature of this report is that it does not depend on th reader's background knowledge on PLCs. It was tried to use simple technical language. Illustrating diagrams and pictures were also used in order to be both interesting to read and useful.