HIGHER TECHNICAL INSTITUTE

MECHANICAL ENGINEERING DEPARTMENT

DIPLOMA PROJECT

DESIGN OF A MOVING FLOOR FOR A LORRY

M / 808

STAVRINIDES NEKTARIOS

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BY: STAVRINIDES NEKTARIOS

"DESIGN OF A MOVING FLOOR FOR A LORRY"

by

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Project Report

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ABSTRACT

The objectives of the
"DESIGN OF A MOVING FLOOR FOR A LORRY" are:

1: To present complete design calculations for the proposed system and to meet the following terms and conditions:
   (a): The moving floor should be in the form of a conveyor
   (b): The lorry should carry milk cases

2: To present selection procedures for all components that will be selected.

3: To present detailed working drawings of each design component.

4: To prepare suitable assembly drawings

5: To prepare a cost estimated for the proposed design.

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INTRODUCTION

In our century the major characteristic in all the big industries is the electric automization of machines.

In this sylabus human beings stops to be tool using animals. Capital and technology provides these tools and all the hard works are carried out with "Intelligent robot systems ".

The main purpose of this project is to "Design a moving floor for a lorry " by which the loading and unloading of the milk cases would' ve been simplier and easier, but the most important is that it would' ve needed less time and therefore less money.

The above automization could be done throught a slat or belt or roller conveyors , or through a chain driven rollers conveyor.

The advantages and disadvantages of the four above proposed solutions are refered to the following paragraphs of the Introduction.