

HIGHER TECHNICAL INSTITUTE

MECHANICAL ENGINEERING DEPARTMENT

DIPLOMA PROJECT

SAFETY MEASURES AND PROCEDURES IN A  
METALWORKSHOP INDUSTRY

M/832

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JULY 1998

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## MECHANICAL ENGINEERING DEPARTMENT

### DIPLOMA PROJECT

## SAFETY MEASURES AND PROCEDURES IN A METALWORKSHOP INDUSTRY

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**SAFETY MEASURES AND PROCEDURES IN A  
METAL WORKSHOP INDUSTRY**

**By**

**KYRIAKOS STAVROU**

**PROJECT REPORT**

**Submitted to**

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**for the diploma of**

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**in**

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**JULY 1998**

THIS PROJECT I DEDICATE IT TO MY GRANT - FATHER WHO  
DIED TWO YEARS AGO

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## SUMMARY

This project deals with the design of health and safety procedures for the “FLOGA” solar heaters industry in Cyprus.

This project covers all the departments of the factory:

- 1.Flat plate solar collectors construction department
- 2.Storage of solar energy construction department.

An attempt is also made to raise the important factor that affects health conditions in industries, which is ergonomics.

I believe that the most important and available thing in industries, is not how to get money, but how to protect our selves. So this project deal with the management of the factory and its contribution to health and safety of their employees.

## INTRODUCTION

Safety is not often thought about as you proceed through your daily tasks. Often you expose yourself to needless risk because you have experienced no harmful effects in the past.

Unsafe habits become almost automatic. You may drive your automobile without wearing a seat belt. You know this to be unsafe but you have done it before and so far no harm has resulted. None of us really likes to think about the possible consequences of an unsafe act. However, safety can and does have an important effect on anyone who makes his or her living in a potentially dangerous environment such as machine shop.

An accident can reduce or end your career as a machinist. You may spend several years learning the trade and more years gaining experience. Experience is a particularly valuable asset. It can only be gained through time spent on the job.

I want to believe that, after reading of this project of somebody, he /she will be able when entering the FLOGA building to :

- Identify shop hazards
- Identify and use shop safety equipment

CHAPTER I

FLAT PLATE SOLAR COLLECTORS CONSTRUCTION  
DEPARTMENT