

# SAFETY ON SITE

Project Report Submitted by

**ARGYRIOY MARIOS**

110  
2020

In partial fulfillment of the requirements  
for the award of the diploma of Technician  
Engineer in Civil Engineering of the  
Higher Technical Institute Cyprus.

**Project Supervisor: I ECONOMIDES**

Lecture in Civil  
Engineering

H.T.I.

**External Assessor: Michael Michael**

**Type of Project      Individual**

**Project Number      C/775**

HIGHER TECHNICAL INSTITUTE	PROJECT 2520
----------------------------------	-----------------

# INTRODUCTION

Construction, which can employ countries working population, is one of the most dangerous industries in the world. The number of reported injuries, accidents and work - related illnesses on construction sites often exceeds that of any other manufacturing industry.

The factories ordinance cap. 134 - Laws of Cyprus and Ordinances - No 22 of 1964 and 12 of 1972 - was published by the Ministry of Labour where these regulations may be cited as the Building and Works of Engineering Construction (Safety, Health & Welfare). In which measures have been - Taken so the accidents will minimised at list.

Ministry of Labour offers a comprehensive range of useful advice to all levels of construction for the prevention of industrial accidents supervisors and workers. It is a partially good resource for construction operations or self - employed workers to collect these informations.

Most of the times the prevention of an accidents is not only the observation and application of the regulations, but it is also a matter of initiation, for the adoption of secure ways of working, and carrying out of the job, having in mind always the evidence of actions which could cause injuries.

Construction hazards and safety procedures are discussed in clear, practical language. Observations that may seen obvious at first glance such as «Always inspect your ladder before you use it» may be lifesaving.

# CONTENTS

<b>INTRODUCTION</b>	1
<b>Section A</b> → <b>HEALTH AND SAFETY LAW</b>	
1. Know the Law	3
2. Regulations in Construction Work	8
<b>Section B</b> → <b>ORGANISING FOR SAFETY</b>	
<b>A. Health &amp; SAFETY MANAGEMENT</b>	16
1. Safety management and policy	17
2. Investigation, reporting and recording of accidents	21
3. Health and safety monitoring	25
4. Health and safety training and communication	27
<b>B. ACCIDENT PREVENTATION</b>	29
1. Principles of accident prevention	30
2. Safe systems of work	31
<b>Section C</b> → <b>WHAT TO LOOK FOR...</b>	
<b>A. The Working Environment</b>	36
1. The organization of the working environment	37
2. Temperature, lighting, and ventilation	39
3. Welfare amenity provision	42

<b>B. OCCUPATIONAL HEALTH AND HYGIENE</b>	43
1. Personal protection	44
2. Manual handling	47
3. First aid	48
<b>C. HUMAN FACTORS AND SAFETY AT WORK</b>	49
1. Human factors and safety	50
<b>D. SAFETY TECHNOLOGY</b>	51
1. Work equipment	52
2. Lifting Safety	54
3. Electrical safety	56
4. Construction safety	58
5. Mechanical handling	62
6. Dangerous Substances	63