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BY

Akyene Tetteh

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THESIS SUPERVISORS

Dr. Frank Boateng **Dr. Akyene Tetteh**
(Principal Supervisor) (Co-Supervisor)

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Declaration

I declare that this thesis is my own work. It is being submitted for the degree of Master of Science in Engineering Management at the University of Mines and Technology (UMaT), Tarkwa. This thesis has not been submitted for any degree or examination in any other University.

(Signature of candidate)

Date

Abstract

The abstract is a concise summary of the research conducted, including key findings and conclusions. It should be between 150-300 words and provide a snapshot of the study's scope, methodology, results, and implications.

Dedication

This work is dedicated to my family and friends who have supported me throughout my academic journey.

Acknowledgement

I would like to express my gratitude to my supervisors, Dr. Frank Boateng and Dr. Akyene Tetteh, for their invaluable guidance and support throughout this research. I also extend my thanks to my colleagues and the staff at Kaltire Ghana for their cooperation and assistance.

Contents

Declaration	1
Abstract	2
Dedication	3
Acknowledgement	4
List of Figures	5
List of Tables	5
Abbreviations	6
1 Introduction	7
1.1 Background to the Study	7
1.2 Statement of Problem	7
2 Literature Review	8

2.1	Introduction	8
2.2	Mining Asset and Its Importance	8

List of Figures

1.1	Global Greenhouse Gas Emission	7
2.1	Mining value chain	8

List of Tables

Abbreviations

OEE	Overall Equipment Effectiveness
EMS	Environmental Management System
ISO	International Standards Organisation
etc.	

1. Introduction

1.1 Background to the Study

The growing demand for sustainable environmental practices in the production process of goods and services has now become a subject of global concern due to the ever-increasing cases of global warming and greenhouse effects. The global greenhouse emission as reported by the 2014 Intergovernmental Panel on Climate Change (IPCC) report shows that the industrial and electricity sector jointly contributed 46% of the global greenhouse emission. 24% was from the agricultural sector, 14% and 6% was from transportation and building respectively. The remaining 10% was from other sectors as shown in Figure 1.1.

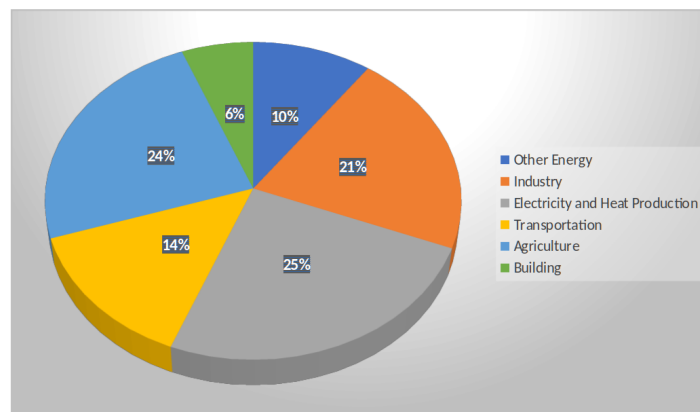


Figure 1.1: Global Greenhouse Gas Emission
Pachouri et al (2014)

1.2 Statement of Problem

Responsiveness of the science and art of logistics remains a subject of research...

2. Literature Review

2.1 Introduction

This chapter provides the conceptual, theoretical, and empirical reviews of the project...

2.2 Mining Asset and Its Importance

Most mining assets are divided into two main categories...

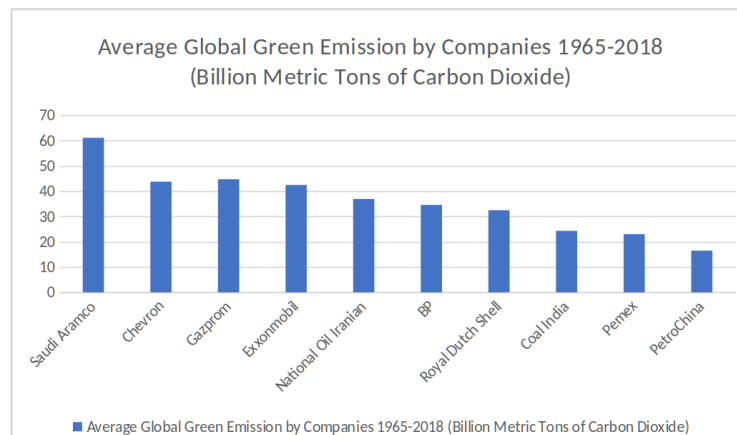


Figure 2.1: Mining value chain
PwC Asia School of Mines (2012)