

# Analyzing the Major Copper Mines Worldwide

https://marketpublishers.com/r/AC2379C2676EN.html Date: March 2012 Pages: 80 Price: US\$ 300.00 (Single User License) ID: AC2379C2676EN

## **Abstracts**

The mining industry has been key to the development of civilization, underpinning the iron and bronze ages, the industrial revolution and the infrastructure of today's information age. Downstream beneficiation and minerals processing of these raw materials adds further value as raw materials and products are created to serve all aspects of industry and commerce worldwide.

Copper is a chemical element in the periodic table that has the symbol Cu and atomic number 29. It is a ductile metal with excellent electrical conductivity, and finds extensive use as an electrical conductor, heat conductor, as a building material, and as a component of various alloys. Copper has played a significant part in the history of mankind, which has used the easily accessible uncompounded metal for nearly 10,000 years. Civilizations in places like Iraq, China, Egypt, Greece and the Sumerian cities all have early evidence of using copper.

Aruvian's R'search brings an entire in-depth coverage of the 25 major copper mines of the world in the research report Analyzing the Major Copper Mines Worldwide. This extensive report covers comprehensive profiles of the copper mines worldwide, which includes production data, location data, geographic data, and much more. The report also includes a brief profile of the global mining industry, the global copper industry, and the environmental legacy of the mining industry. Read on to the table of contents to see a complete list of the copper mines profiled in this research report.



### **Contents**

#### A. EXECUTIVE SUMMARY

#### **B. INTRODUCTION TO MINING**

- B.1 One of the World's Oldest Professions Mining
- **B.2** Techniques Deployed for Mining
- B.3 Surface Mining Strip, Open Pit, Mountain Top, Dredging
- B.4 Sub-Surface Mining Long Wall, Room & Pillar
- B.5 Mining's Environmental Impact The Major Culprits

#### C. UNDERSTANDING THE BASICS OF COPPER

- C.1 The Basics of Copper
- C.2 Early History of Copper Mining and Use
- C.3 Pyrometallurgy of Copper
  - C.3.1 Vertical Furnace
  - C.3.2 Roast Reaction
  - C.3.3 Conversion
- C.3.4 Horizontal Furnace
- C.4 Looking at Modern Smelting Processes
- C.5 Release of Sulfur
- C.6 Hydrometallurgy of Copper
  - C.6.1 Dump, Heap, & Vat Leaching
  - C.6.2 Pressure Leaching
- C.7 Copper vs. Other Metals
  - C.7.1 Aluminum
  - C.7.2 Gold
  - C.7.3 Nickel
  - C.7.4 Zinc

#### D. LOOKING AT THE GLOBAL COPPER MARKET

- D.1 Overview
- D.2 Trends in Price Movements
- D.3 Global Copper Demand Scenario
- D.4 Global Copper Supply Scenario
- D.5 Copper Mining on the World Map Major Locations & Trends



- D.6 Copper Mines on the World Map Major Locations & Trends
- D.7 Size Trends of Copper Mines
- D.8 Impact of Companies on the Global Output of Copper Mines
- D.9 Summing Up

#### E. A BRIEF PROFILE OF THE GLOBAL MINING INDUSTRY

#### F. ANALYZING THE MAJOR COPPER MINES

- F.1 Aitik Copper Mine
- F.2 Alumbrera Copper Mine
- F.3 Antamina Copper Mine
- F.4 Batu Hijau Copper Mine
- F.5 Banwas Copper Mine
- F.6 Bingham Canyon Copper Mine
- F.7 Chelopech Copper Mine
- F.8 Chino Copper Mine
- F.9 Collahuasi Copper Mine
- F.10 Escondida Copper Mine
- F.11 Gibraltar Copper Mine
- F.12 Grasberg Copper Mine
- F.13 Highland Valley Copper Mine
- F.14 Kidd Creek Copper Mine
- F.15 Konkola Copper Mine
- F.16 La Granja Copper Mine
- F.17 Morenci Copper Mine
- F.18 Mount Isa Copper Mine
- F.19 Neves Corvo Copper Mine
- F.20 Northparkes Copper Mine
- F.21 Olympic Dam Copper Mine
- F.22 Palabora Copper Mine
- F.23 Rapu Rapu Copper Mine
- F.24 Sierrita Copper Mine
- F.25 Zaldivar Copper Mine

#### E. APPENDIX

#### F. GLOSSARY OF TERMS



#### I would like to order

Product name: Analyzing the Major Copper Mines Worldwide

Product link: https://marketpublishers.com/r/AC2379C2676EN.html

Price: US\$ 300.00 (Single User License / Electronic Delivery) If you want to order Corporate License or Hard Copy, please, contact our Customer Service: <u>info@marketpublishers.com</u>

### Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <u>https://marketpublishers.com/r/AC2379C2676EN.html</u>