



# **CNMC GOLDMINE HOLDINGS LIMITED**

First primary listing of a gold mining company in Singapore



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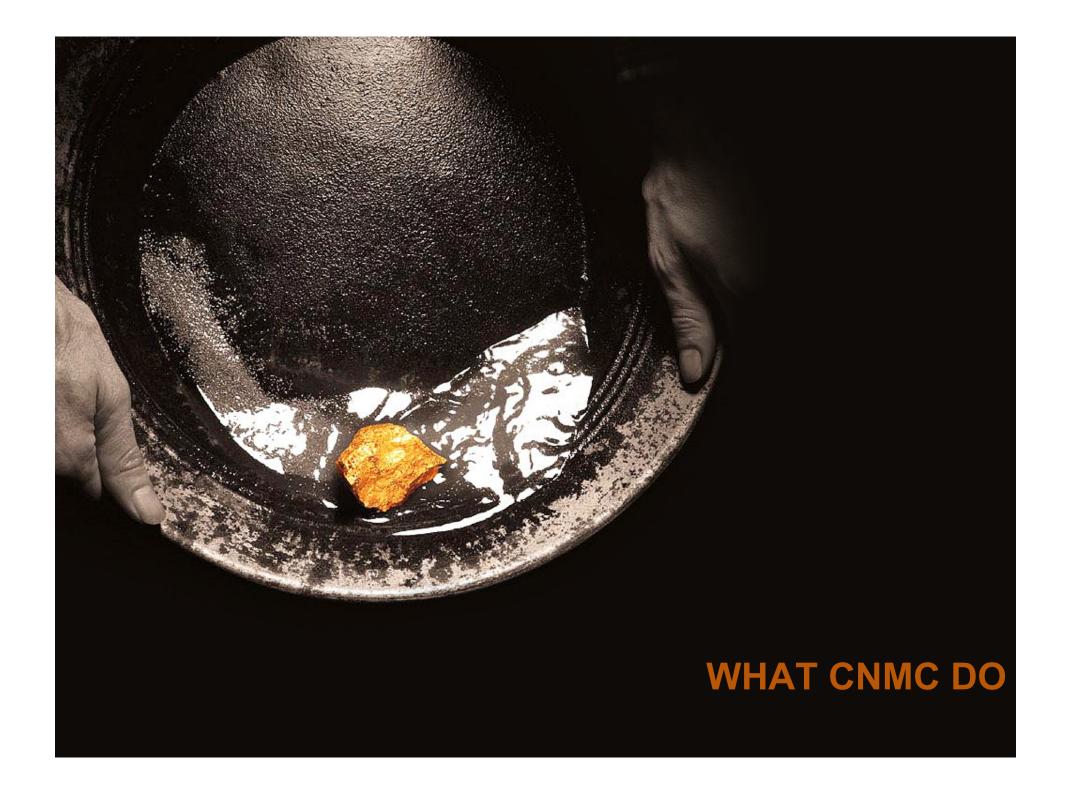
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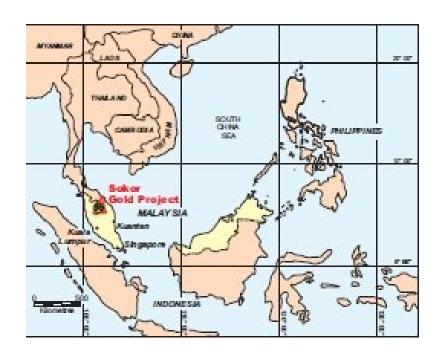






### **OVERVIEW OF CNMC**

- > We are a mineral exploration and mining company, focusing on gold.
- > Our principal mining activity is in Kelantan, Malaysia.







# **ABOUT CNMC**

### THE SOKOR GOLD ZONE

The project is a gold exploration and mining project located in Kelantan State, Malaysia

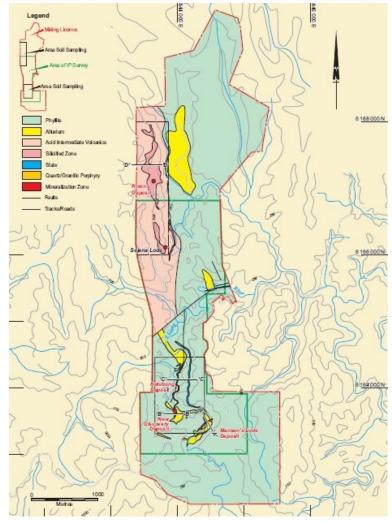
CNMC has -

➤ **Gold mining** for an area of 10km² ("Sokor Block") separate from the exploration area ("Sokor Gold Field Project")

The mining licences were obtained with full support from Kelantan State Government

### **4 IDENTIFIED AREAS**

- ➤ Mason's Lode Vein
- ➤ New Discovery Vein
- ➤ Sg. Ketubong Target
- ➤ Rixen Target





## **CNMC'S VISION AND STRATEGY**

### **CNMC'S VISION**

> Be one of the preeminent gold and mineral producers in the Asia-Pacific region

#### SHORT TERM AND LONG TERM STRATEGY AND ACTION PLAN

#### **Short Term**

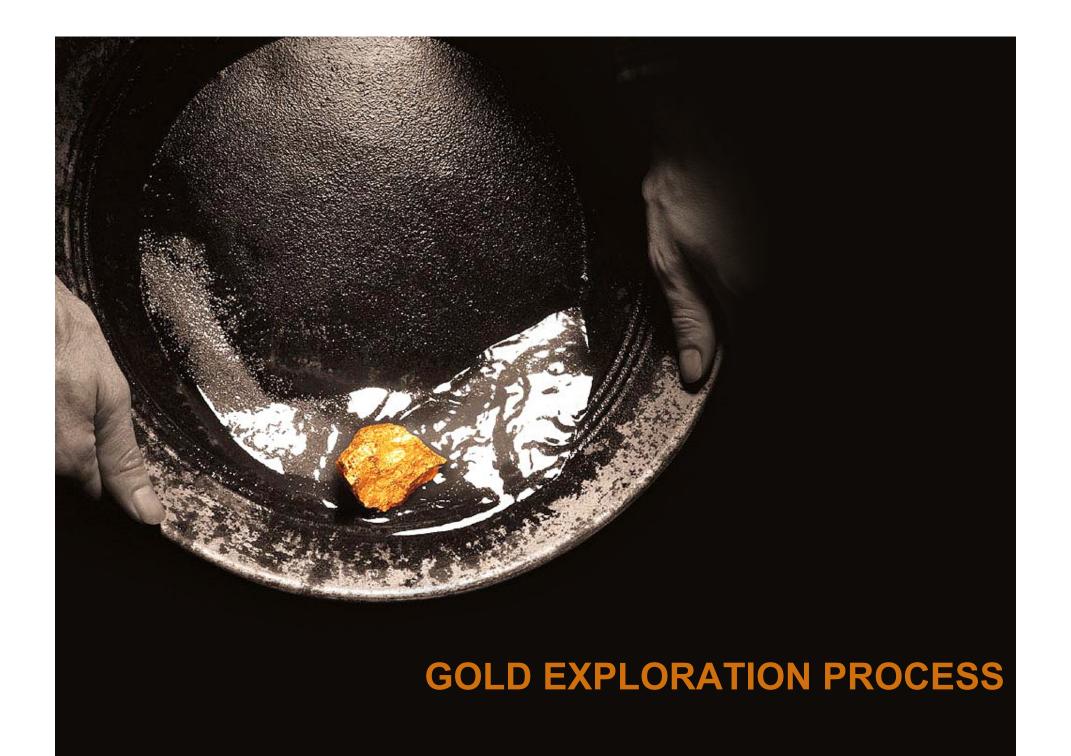
- > Expansion of gold extraction facilities
- >Add mineral resources to portfolio through more exploration
- >Expand silver, lead, & zinc mining and extraction program to increase source of revenue

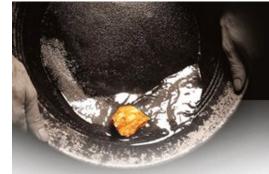
#### **Long Term**

➤ Acquisition and development of other gold projects in Malaysia and highly prospective projects located in SE Asia and Australasia









### PROCESS OF EXPLORATION FOR GOLD INVOLVES THE FOLLOWING STAGES

- ➤ Literature survey
- Geological mapping
- ➤ Identification of gold bearing zones
- > Three dimension sampling
- > Estimation of resource



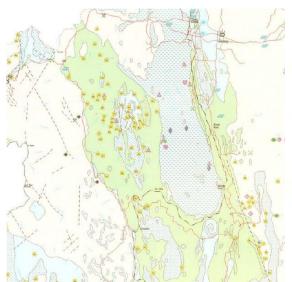


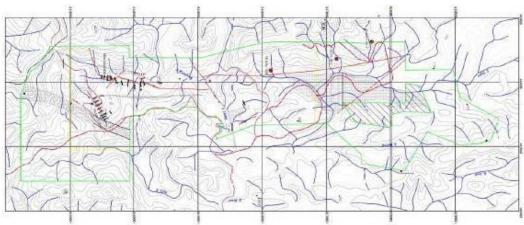
#### LITERATURE SURVEY

> Collection of available exploration literature facilitates picking up of targets for further probing, forms the first step in exploration process

### **GEOLOGICAL MAPPING**

➤ Preparation of a good geological map of the area of interest, initially on a regional scale (1:50,000) by taking up number of field geological traverses, and with the help of aerial photographs and landsat imageries is generally the next step

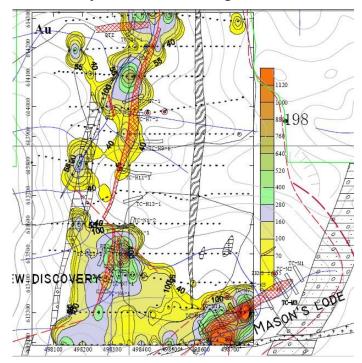


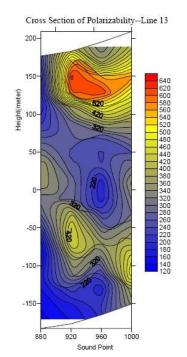


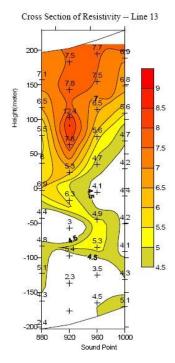


#### **IDENTIFICATION OF GOLD BEARING ZONES**

➤ This is done by collecting rock chip samples from favourable locales for gold mineralization while preparing the geological map of the area. If the rocks are not exposed, geochemical methods like stream sediment sampling, soil sampling can be adopted to identify gold anomalous areas. Similarly geophysical methods can be deployed to locate any conductive or magnetic bodies below the soil cover.









## **DRILLING**

#### THREE DIMENSION SAMPLING

Three dimension sampling of gold bearing zones is carried out by drilling. Drilling is the most common means of investigating what sort of mineralization exists beneath the ground surface. There are several reasons to drill:

- 1)to determine the position or shape of underground formations
- 2)to ascertain the presence or absence of veins, ore bodies, or other type of mineral deposit
- 3)to estimate the tonnage and grade of an already discovered mineral deposit

If the drill intersects with the ore body, then the geologist can estimate the width the vein at the intersection. If multiple holes intersect the vein, the geologist can begin plotting the veins geometry from which the tonnage and the grade of the deposit can be developed.



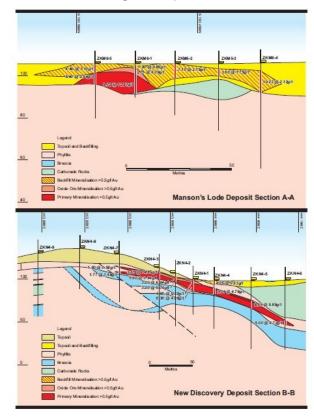


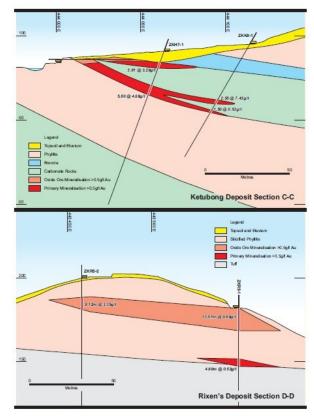




### **ESTIMATION OF RESOURCE**

> Based on the three dimension sampling of the gold-bearing zone (ore body), i.e. length, width, depth and grade, a global resource of the gold deposit is estimated







#### INDEPENDENT CONSULTANTS

- ➤ In order to ensure balanced scrutiny, independent consultants were appointed to conduct the review and assessment of CNMC's exploration procedures as well as perform mineral resource estimates
- > Appointed independent consultants are world renowned leading international experts in the mining industry
- ➤ Behre Dolbear Australia Pty Limited Independent Technical Consultant The principal consultants engaged in the review on behalf of BDA are as follows:

Mr Malcolm Hancock (BA. MA. FAusIMM, FGS, MIMM, MGSA, MMICA) is Executive Director of BDA and a geologist with over 40 years experience of exploration and mining projects principally in Australia, Africa and South East Asia

Mr John McIntyre (BEng. (Hon. Mining), FAusIMM, MMICA, CPMin) is Managing Director of BDA and a mining engineer who has been involved in mining industry for more than 30 years, with operational and management experience in base metals, gold and coal Mr George Brech (BSc. MSc. (Eng. Geol.), MAusIMM) is a Senior Associate of BDA and a geologist with over 35 years experience in exploration and mining projects in Australia, Southeast Asia and Africa

➤ Optiro Pty Limited – Independent Resource Estimate Consultant
The principal consultants engaged in the review on behalf of Optiro are as follows:

**Mr Ian Glacken** [BSc (Hons) Geology, MSc (Mining Geology), MSc (Geostatistics), FAusIMM (CP), CEng, MIMMM, DIC] is a geologist with 30 years experience worldwide in the mining industry, and a Fellow of The Australasian Institute of Mining and Metallurgy and a Chartered Professional Geologist

**Mrs Christine Standing** [BSc (Hons) Geology, Grad Dip (Min Econs), MAusIMM, MAIG] is a geologist with 30 years extensive experience in the exploration and mining industry, and a Member of The Australasian Institute of Mining and Metallurgy











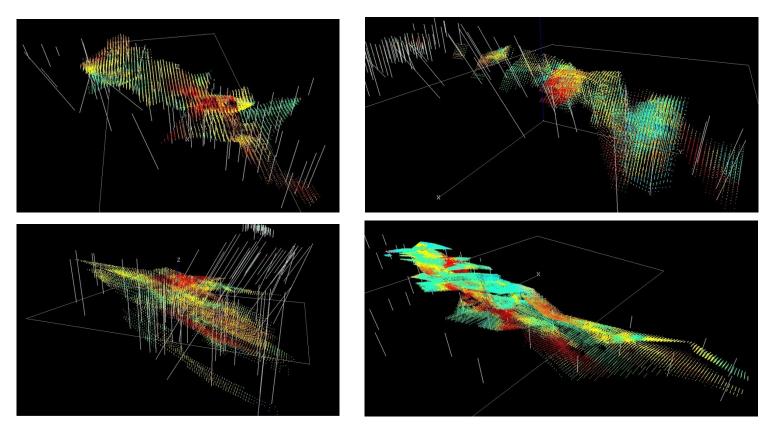




# JORC COMPLIANT GOLD RESOURCE

#### THREE DIMENSIONAL GEOLOGICAL MODELS

CNMC's Mineral Resource estimates for the Manson's Lode, New Discovery, Ketubong and Rixen deposits are done by using state of the art three dimensional geological models with block grades estimated by geostatistical techniques





## JORC COMPLIANT GOLD RESOURCE

# AS OF 31 DECEMBER 2011 THE EXPLORATION HAS YIELDED THE FOLLOWING DISCOVERY -

- ➤ JORC Compliance total resource of approximately 503,000oz Gold, 1,259,000oz Silver, 9,200 tons Lead, & 8,900 tons Zinc. The mineral resource estimate is based on data from 272 diamond drillholes drilled for a total of 19,046 meters
- > Mineralized system are open at depth and along strike

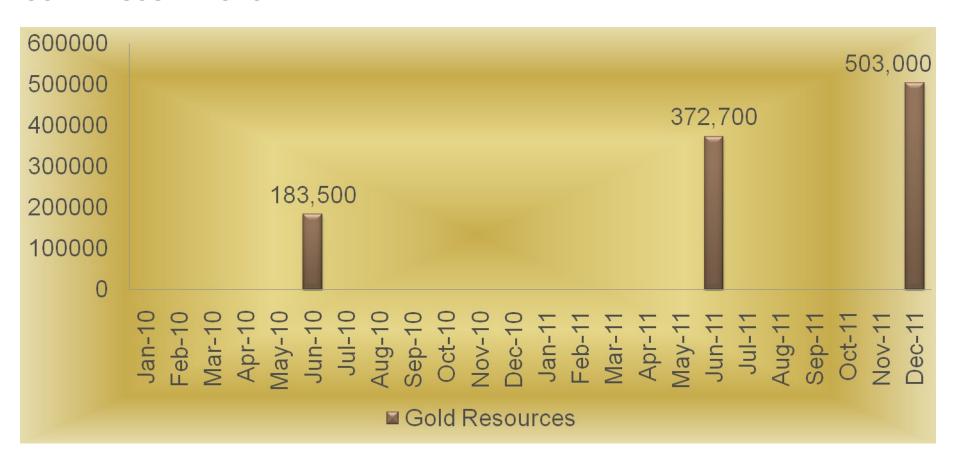
Considerable exploration potential within Sokor Block and in the surrounding exploration licence to location additional gold resources. Ongoing exploration drilling is expected to add significantly to the resources and reserves

AREA	RESOURCE
MASON'S LODE	56,000oz
NEW DISCOVERY	68,000oz
SG. KETUBONG	70,000oz
RIXEN	309,000oz
TOTAL	503,000oz



# JORC COMPLIANT GOLD RESOURCE

### **GOLD RESOURCE GROWTH CHART**







# PRODUCING GOLD MINE

### **PRODUCTION FACILITY**

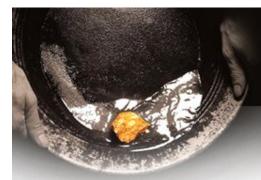
- ➤ 60,000mtpa vat leaching production facility
- > Completed with full set gold de-absorption, active carbon re-generation, and smelting system







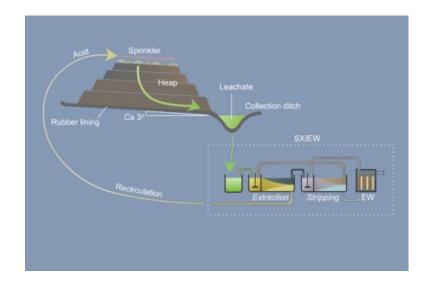




# PRODUCING GOLD MINE

### PRODUCTION EXPANSION PROGRAMME

- ➤ In full operation, a 1,500 tonnes per day alluvial production facility
- > Started earth work for heap leaching facilities
- > Entered mining and production of silver, lead, & zinc contract with one of the leading lead and zinc smelting service provider in China to extraction base metal resources







# PRODUCING GOLD MINE

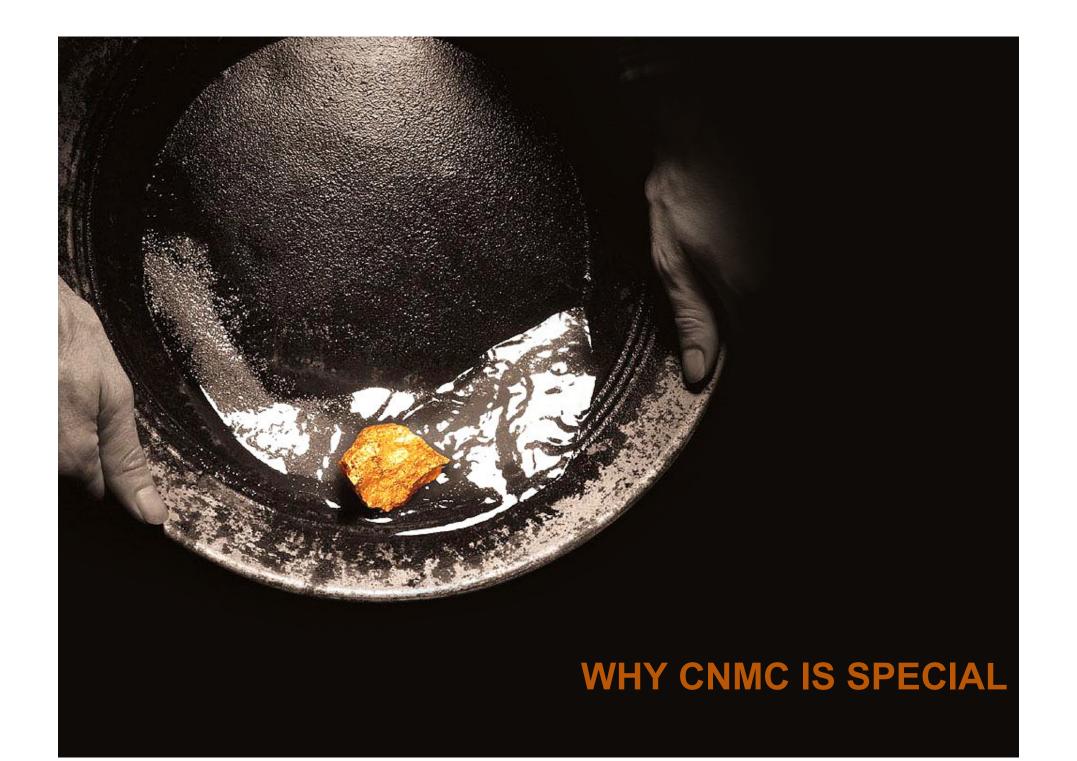
### **GOLD PRODUCTION**

- > Commenced gold production based on mining and treating near surface oxide ore
- ➤ In 2011, CNMC has completed more than 50 gold pours and produced 3,097.35oz of refined gold and 821oz of refined silver











## **IN SUMMARY**

#### Experienced and Capable Team:

- Experienced Chinese exploration and mining expertise to achieve utmost results and costefficiency and committed and qualified group management
- Owned & managed by Singaporeans

#### Producing Gold Mine:

- > Plans to increase output on yearly basis for next 3 years
- 60,000mtpa vat leaching and 1,500tpd alluvial facility in operation with additional leaching facility in construction
- Mining and production of silver, lead, & zinc contract in place to extraction base metal resources

#### > Significant exploration upside:

- > Only a small area on the surface of total gold concession explored
- > 503,000 oz gold 1,259,000oz Silver, 9,200 tons Lead, & 8,900 tons Zinc resource base
- > Considerable exploration potential within Sokor Block to location additional gold resources
- > Long term stable operating environment
- Confirmed near surface gold mineralization (low cost high margin deposit) with accessible water supply
- > A mining company that's moving towards larger scale production with a lot of upside in terms of future discoveries



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