

# PanAust Ltd: sustainable mining in South East Asia

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# PanAust: growth through development

- PanAust Ltd has developed significant presence in mainland South East Asia
  - Phu Kham operation producing 65,000tpa copper
  - Ban Houayxai gold-silver project: proceeding to development
  - Phonsavan copper-gold project: to deliver maiden resource in 2011
  - Puthep copper project: potential for a 25,000tpa copper project

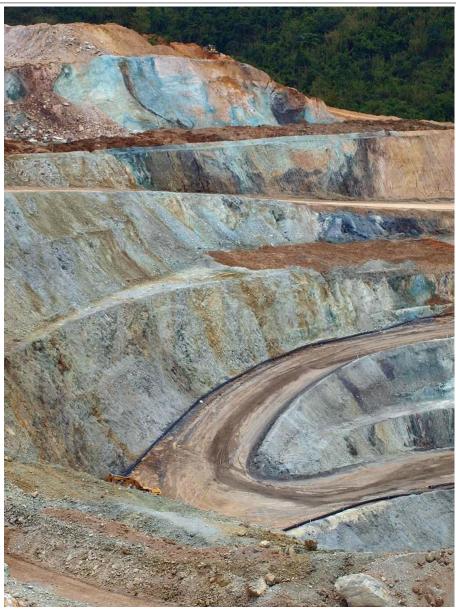




# Phu Kham copper-gold project



- 2010 production approx 65,000t copper, 50,000oz of gold and over 400,000oz of silver
- 2010 Phu Kham Ore Reserve increased by 17%; potential for further increase
- EBITDA for 2010 (guidance) -US\$260M based on \$3.75/lb for 4<sup>th</sup> quarter.
- Strong balance sheet to support growth strategy; gearing ~12% at 31 Aug 2010

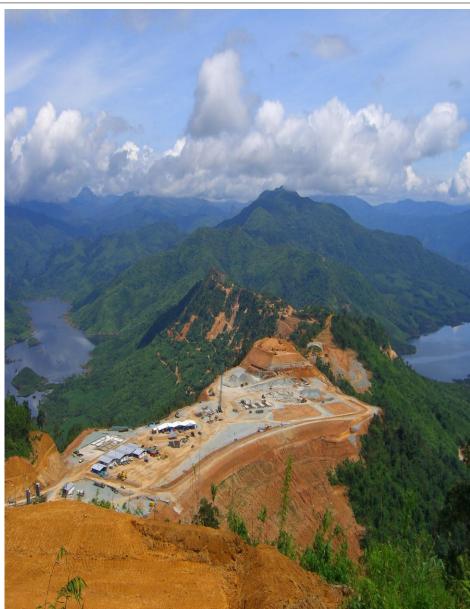


# Ban Houayxai gold-silver project



- Open pit gold mine with conventional 4Mtpa CIL plant
- 100,000oz of gold and
  700,000oz of silver pa over an
  8-10 year mine life from 2012
- Cash cost of between US\$400/oz and US\$450/oz after silver credits<sup>1</sup>
- Construction scheduled for completion in early 2012
- Total estimated capital cost of US\$150m

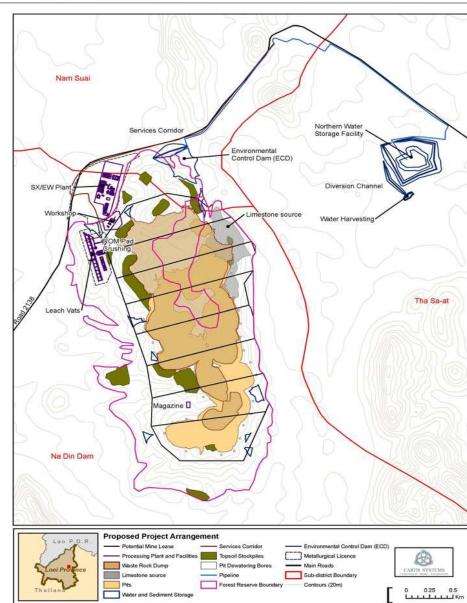
Before royalty, assumes silver by-product credit at S\$13/oz



# Puthep copper project



- Open pit copper mine with conventional vat leach and SX/EW cathode production
- Expected production of 25,000 tonnes copper cathode over an 8 year mine life
- ESIA currently underway, first public forum January 2011
- Feasibility study expected to be completed in 2011
- Mine lease applications to be lodged 2011



#### Lao Context



- Least developed country status
- Legacy of past conflict (e.g. UXO)
- Low skill base and limited capacity of educational institutions
- Largely subsistence agriculture
- Economy and culture in transition
- Mining and hydro sectors main drivers for economic growth
- Cultural/societal/political doubts about (foreign) mining projects



# **Thai Context**

- Middle developing country status
- Sophisticated, diverse economy
- Good skills and education levels
- Political uncertainty, s.67 issues
- Mining sector small, with mixed performance
- Active community and NGO interest in extractive projects
- Cultural/societal/political doubts about (foreign) mining projects





# **Sustainability & mining**



- Incorporating principles of sustainable development
  - and applying these in a mainland South East Asia context
- On-site management for sustainability includes:
  - Safety, employment, training
  - Noise and dust, hazardous materials
  - Acid rock drainage and water management
  - Mine closure and rehabilitation
- Off-site management for sustainability includes:
  - Community engagement and development
  - Public understanding and acceptance
  - Government permitting and approvals
  - Returns to the state through taxes and royalties

#### Governance



- Signatory to Minerals Council of Australia "Enduring Value"
  - Respect for cultures, customs, values
  - Application of best practices standards
- Board level sustainability committee
  - Ensuring effective measures, systems and controls
  - Reporting in accordance with international standards
- Risk management approach
  - Robust systems, risk registers
- Audits and benchmarks (IFC, socioeconomic and health surveys etc)



## **Responsibilities to the environment**

- Operating in monsoonal climates
  - rainfall exceeds evaporation by 50 percent
- Phu Kham tailings storage facility
  - industry best-practice
  - waste rock managed on potential acid forming (PAF)
  - >4% sulphur is disposed of underwater in TSF
  - sulphur grades are strictly controlled





# Ban Houayxai: cyanide management



PanAust is a member of the international cyanide code

- international voluntary code for the gold mining industry
- developed by the UN Environment Program and the industry
- administered by International Cyanide Management Institute
- Governs production, transport, handling & storage, use, decommissioning, safety, emergency response, training and dialogue & consultation with affected stakeholders
  - compulsory, independent audits to ensure compliance
  - audit results available to the public
- Ban Houayxai has been designed, is being constructed and will be operated to cyanide code requirements as a minimum

# **Responsibilities to communities**



- Community Development Fund (CDF) structure to community programs
- Village Development Committee local ownership of CDF activities in:
  - Health
  - Micro-finance
  - Education
  - Infrastructure
  - Water and Sanitation
- "Best Community Development Initiative" at 2010 Asia Mining Congress
- Grievance and incident management



Around 40% of food requirements for the Phu Kham camp is sourced locally



Classroom sessions – market gardening and fish farming

# **Responsibilities to employees**



- Approximately 1,600 employees in Laos; ~85% are nationals
- Zero harm safety objective
  - Including with local contractors
- Local employment preferences
- Investment in training and skills
- Succession planning for current and future needs



# **Responsibilities to government**

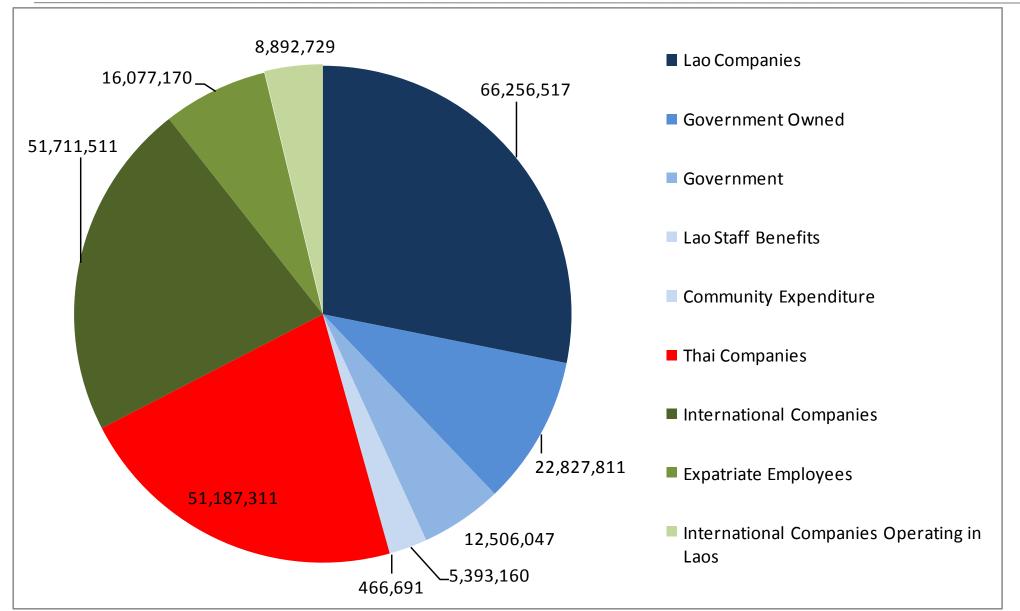


- Royalty regime of between 3 and 6 percent (US\$30m to date)
- Profit tax regime of 25 percent (to commence 2010)
- Use of local contractors for goods and services available in Laos
- Integration of environmental, social, health and other accountabilities
- Building a structured, predictable and sustained relationship



#### **OpEx in Laos 2009: US\$235 m**





# **Respect & Integrity**

- Employee health and safety
- An internal culture of environmental and social awareness
- Zero Harm safety objectives
- Best practice environmental and social performance
- Treating employees consistently and fairly.
- Integrity in relationships with communities, governments, suppliers and shareholders



