



## DAM INSTRUMENTATION AND SAFETY MONITORING

Phu Kham Copper-Gold Project  
Phu Bia Mine Ltd – Lao PDR



### The Project

Geotech International is currently providing turn-key supply of instrumentation, installation and monitoring for the highest tailings dam in Asia. The mine is reported to provide 30% of the total amount of the export earnings of the Lao PDR.

The dam is being built in stages over a multi-year life-of-mine period. Thus all instrumentation cabling and monitoring installations have to be able to be raised as the height of the dam increases over time.

### The Services Provided

- ✓ Design of performance monitoring instrumentation and readout system
- ✓ Procurement of instrumentation
- ✓ Installation of instrumentation
- ✓ Installation of automated readout and telemetry services
- ✓ On-going operation and maintenance support on a 24 hour turn-around basis
- ✓ Up-dating of the instrumentation over time as new measurement requirements are established by the mine's dam performance Consulting Board of Experts





Geotech International performing geotechnical investigation and instrumentation installation at Phu Kham Mine tailings dam using Geotech International Boart Longyear drilling equipment - Lao PDR



Geotech International performing instrumentation installation at Phu Kham Mine tailings dam - Lao PDR



Instrument installation and dam performance monitoring at Phu Kham mine tailings dam All capable of being raised as the elevation of the dam is increased over time - Lao PDR