

Job Description

Post title:	Senior Mineral Processing/Chemical/Mining Engineer
Duration:	36 months (one-year contract renewable every 12 months based on performance) Approx. 37.5 hrs/week
Date required:	January 1, 2021
Duty station:	Asia-based: Mongolia, Philippines, Indonesia, other areas
Counterpart:	Artisanal Gold Council (AGC)

ORGANIZATION

Based out of Victoria, Canada, the Artisanal Gold Council (AGC) is a not-for-profit organization dedicated to improving the work conditions and opportunities, as well as environment, and health of the millions of people involved in Artisanal and Small-Scale Gold Mining (ASGM) in the developing world. The AGC helps to improve the global gold sector by promoting better practices in ASGM through technology transfer, policy development and awareness raising in Africa, Asia and Latin America. The AGC consists of a core staff, associates and a council of experts (Board of Directors) in areas of ASGM, economics, sustainable development, social responsibility, human and environmental health, and gold production and extraction. For more information about the AGC and its projects please visit www.artisanalgold.org.

PROJECT CONTEXT

Upon hire, this position will be significantly involved with the GEF supported programme “Global Opportunities for the Long-term Development of the ASGM sector (planetGOLD)” a group of projects that have been designed to address the key issues linked to continued mercury use and provide sustainable development opportunities for the communities involved.

The objective of these projects is to contribute towards the elimination of mercury in the ASGM sector by applying a supply chain approach from the miners to refiners. The projects have four components: (i) formalization, (ii) finance and market access, (iii) technology transfer, and (iv) knowledge management.

The projects will demonstrate: 1) government incentives to formalize the ASGM sector in Mongolia and Philippines are increasingly adopted by miners, 2) national governments guiding the creation of ASGM fund to allow miners to invest in mercury free technologies and access responsible gold markets; miners able to sell their gold directly into a transparent supply chain, 3) reduced mercury releases by the ASGM sector in both countries, and 4) ASGM communities and government agreeing on an approach to reach all ASGM communities in each country.

The position will also be required to support project areas in Indonesia and other countries as per AGC work programme.

MAIN DUTIES AND EXPECTED OUTPUTS/OUTCOMES

The Senior Mineral Processing/Chemical/Mining Engineer is a hard-working, creative thinker with a passion for the hands-on approach. The candidate will lead the in-country technical teams in the successful development and implementation of mercury-free gold processing systems. Responsibilities include project design, technology implementation, system planning and optimization, training, permitting, technical and project reporting, and other related subjects. The candidate will be equally comfortable in the office and on site where they will be exposed to other languages, extended field work, and a diversity of conditions and cultures.

Main Duty	Output
Ability to lead technical teams (remotely)	Field Report and operational data documented
Planning, implementation, and execution of technical project elements in country	Technical project elements completed
Customizing in-country site selection, design, equipment installation, water treatment, tailings management and optimization of mercury-free processing systems (for both operation and as training platforms for miners)	Mercury-free processing systems operational on project sites
Conducting formal and informal capacity building with in-country partners and artisanal mining communities	Capacity built in communities
Contributing to assessment of the economic and environmental feasibility of potential mercury-free artisanal and small-scale mining operations by conducting surveys and studies of ore or mineral deposits	Feasibility studies completed
Identifying and evaluating means of safely and efficiently mining and processing the small-scale deposits using mercury-free and otherwise responsible methods	Evaluation of mercury-free methods documented
Working with international and local staff on all aspects of site pre-construction, as well as delivery, installation, and commissioning of mining and processing equipment	Pre-construction completed
Reviewing and delivering technical training modules on subjects such as operation, maintenance, materials and waste management, closure and decommissioning	Technical training modules completed



Main Duty	Output
Communicating and collaborating with manufacturers, suppliers, shippers, in-country partners, stakeholders, government officials, and others	Successful communication with project partners
Writing reports, making presentations, translating (within capabilities), record-keeping, capturing photographic and video documentation	Reporting completed, project results documented in various media
Providing project technical reporting to high standards	Reporting completed

REPORTING

The Senior Mineral Processing/Chemical/Mining Engineer will be responsible for the successful delivery of the technical component of AGC’s Asia-based projects – particularly in Mongolia, the Philippines, and Indonesia. Working closely with the in-country technical teams and other project staff, the candidate will ensure the achievement of project results in accordance with project budgets, resources and timelines. In addition, the candidate will be working closely with the Lead Mineral Processing Engineer and the Project Manager based in Victoria, Canada. Regular meetings and calls will be organized, and, if needed, with other AGC staff to ensure that the activities are undertaken in a satisfactory, timely and cost-effective manner.

The Senior Mineral Processing/Chemical/Mining Engineer is expected to submit technical progress reports to the Lead Mining Processing Engineer. The Senior Mineral Processing/Chemical/Mining Engineer will also oversee drafting the technical elements of the final report of the project, which will be reviewed by the AGC.

QUALIFICATIONS

- Bachelor’s degree in mineral processing, chemical, or mining engineering (at minimum)
- A minimum of 7 years experience in the planning, implementation, and execution of mining engineering projects. Technical field experience in ASGM is preferred
- Experience managing (remote) teams
- Proven hands-on abilities
- Able to demonstrate that they can operate successfully working extensively on projects within Asia
- Good scientific and analytical understanding of mineral processing and effective optimization techniques
- Some interest in international development and working with communities in different cultural and economic settings
- Able to communicate effectively, as well as present project results clearly
- Self-motivated, able to prioritize, and work with minimal guidance
- Strong commitment to and experience in developing effective relationships with key stakeholders and diverse teams



- Strong problem-solving and creative analytical thinking skills

LANGUAGE

- Fluency in written and spoken English is required.
- Knowledge of other local languages is an asset.

APPLYING

Note that the successful candidate would be eligible for participation in benefit options offered to AGC employees, following a probationary period.

Expressions of interest in the position should be submitted in English and accompanied by a CV and cover letter. The position will remain open until a candidate is selected. Applications should be directed to careers@artisanalgold.org with the position in the Subject line.

Thank you for your interest, applications will be treated in the strictest confidence. Please know that only those selected for interviews will be contacted. If your skills do not suit this position, but you believe you would be a great asset to the Artisanal Gold Council, we would like to hear from you. Send a letter of interest and CV to careers@artisanalgold.org.