



Quantitative Group  
Our Skills On *Your* Team

## CV BOSTA PRATAMA

Last updated November 2009

Quantitative Group (QG) provide geostatistical, geological and resource estimation consulting services to the mining and resource sectors. QG are specialists in mining geostatistics with a strong focus on geological context and mine geology/engineering applications. QG also has additional strengths in enabling the links to be made through the value chain (sampling, geological modelling, resource estimation, mining geology, reconciliation, geometallurgy, financial risk).

### PERSONAL DETAILS

Name: Bosta Pratama  
Date of birth: 25th November 1970  
Citizenship: Indonesia

### CAREER SUMMARY

Bosta Pratama has a solid background in mining and applied geology and has been involved in the minerals industry since 1996. He began his career as an Exploration Geologist working in Cu-Au grassroots Exploration for Newcrest in the North of Sulawesi. Here, he was engaged in activities ranging from geological mapping and drainage sampling to drill targeting. Between 1999 and 2001 he was employed by Newmont Mining Corporation as an Exploration Geologist where he undertook geological mapping and advanced resource definition drilling of the North Lanut (Sulawesi) and Rinti (Sumbawa) projects.

In 2002, he joined the Resource Group of Newmont's Batu Hijau porphyry Cu-Au mine in Sumbawa, Indonesia. It was here that he developed an interest in resource modeling, and in accordance with this he subsequently joined Oxiana Ltd in 2006 at the Sepon project in Laos, where he held the position of Senior Resource Geologist before joining QG as Senior Consultant base in Perth.

Bosta has experience with and a particular interest in mining geology and resource modeling. He has extensive expertise in porphyry Cu-Au, supergene Cu deposits and sediment-hosted Au deposits, as well as Iron Ore and Nickel deposits.

### QUALIFICATIONS

**B.Sc (Geology)** – Department of Geology, Padjadjaran University, Bandung Indonesia. Awarded 1995.

### PROFESSIONAL AFFILIATIONS

Australian Institute of Mining and Metallurgy (AusIMM) Member

Indonesian Geologist Association (IAGI) Member

### PUBLICATIONS

**Pratama, B.**, 2003: *Blasting Optimization Crushing Conveying Optimising SAG Throughput data for Mine Throughput Modeling*. acQuire 7th Annual Conference.

**Pratama, B.**, Setyandhaka, D., Maryono, A., Hermawan, W., Clode, C., 2002: *Application of PIMA Technology in Defining Gold and Copper Exploration Targets In Island Arc Settings: A Case Study from Sumbawa and Lombok, Indonesia*. IAGI 31st Annual Proceeding.



Bosta Pratama  
Senior Consultant



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### WORK HISTORY

*2008-Present*

**Senior Consultant – Quantitative Group Perth WA**

The role has been taken during the period of work including:

Resource Simulation of Windarling and Mt. Jackson Iron Ore Deposit (Cliffs Natural Resources).

Training and Co-piloting resource geologist on multivariate data analysis, resource estimation and simulation of Iron Ore Deposit (Cliffs Natural Resources – Resource Development Group).

Resource estimation of Martabe Gold Silver Deposit Indonesia (PT Agincourt Resources – G-Resources).

Review of Resource Estimation Model of Oyu Tolgoi South and Hugo North Cu-Au Deposit Mongolia (Ivanhoe Mines – Entrée Gold).

Training and Co-piloting geologist on minesight grade control system at Mt. Keith Nickel Operation (BHPBilliton).

Resource Estimation of Wonmunna Iron Ore Deposits (Talisman Mining).

Resource Estimation of South Caramulla Iron Ore Deposits (Warwick Resources).

Resource Estimation of Starra Lines Cu-Au Banded Iron Formation (Ivanhoe Australia).

Resource Estimation of Nickel Laterite Potential of Agnew Wiluna Belt (BHPBilliton)

*2006-2008*

**Senior Resource Geologist – Oxiana Ltd., Sepon Laos**

Work undertaken at Oxiana's Sepon project involved the long and short-term modeling of many of the operation's sediment-hosted supergene Cu and Au deposits. This work included wire framing, surface-solid generation, geostatistical analysis, block modeling, drill planning and daily grade control monitoring.

Work at Sepon also involved the provision of support to personnel within other departments as well as training and guidance for junior Lao National Geologists within the Resource Group. Co operation and consultation with Mine Geologists, Mine Planning Engineers, Production Engineers and Metallurgists was undertaken on a daily basis.

*2002 – 2006*

**Modelling Geologist – Newmont Mining Corporation, Batu Hijau Mine**

Primary responsibilities at Batu Hijau were to carry out long and short-term modeling, which involved wire framing, creation of surface-solids, block modeling, daily ore control and various modeling requirements for mill recovery prediction. This work was undertaken using leading industry geostatistical techniques which were applied via the company's in-house mining software. Additional to this was the provision of on-site specialist support to other users of this software.

This position also required routine cooperation and coordination with Exploration Geologists, Mine Geologists, Mine Planning Engineers, Production Engineers and to a lesser extent, Metallurgists.

*1999 - 2001*

**Exploration Geologist – Newmont Mining Corporation, North Sulawesi and Sumbawa Project**

Exploration at Newmont's North Sulawesi and Sumbawa project involved regional to advanced targeting, with techniques such as geological mapping, drainage sampling and soil sampling being routinely undertaken. Additional to this was the interpretation of geological and alteration systems, geophysical interpretation, drill targeting and drilling supervision which were all undertaken as part of the advancement of the project.

*1996 - 1999*

**Exploration Geologist – Newcrest Mining Ltd., North Sulawesi Project**

Work on Newcrest's Sulawesi project involved both regional and resource definition work. Methods employed were very similar in nature to those used for the North Sulawesi and Sumbawa project. Other responsibilities associated with this role included the provision of field support, surveying and navigation with contour maps and air photos.