

*Z\* will ensure  
all mineral  
resource  
estimates are  
assigned the  
correct levels  
of confidence.*

## CLASSIFICATION



In recent years exploration and mining companies have, increasingly, strived to adhere to international reporting codes in an effort to attract and guide the international investment community. In the current global economic climate stock exchanges worldwide require transparency and increasingly stricter levels of governance and this certainly applies to mineral resource risk.

### CLASSIFICATION OF MINERAL RESOURCES

Z\* have extensive experience in the classification of mineral resources according to international reporting codes. The focus of classification must be on the complete mineral resource inclusive of all the variables that combine to provide the mineral resource estimate. The use of geostatistical simulations to delineate the possible variability around a mean estimate is critical in identifying the possible risks associated with a reported mineral resource estimate. This information not only enables the level of confidence to be assigned to the mineral resource but, in addition, provides valuable information related to the sensitivity of the estimate that allows potential risks to be accommodated or mitigated in the mine planning models.

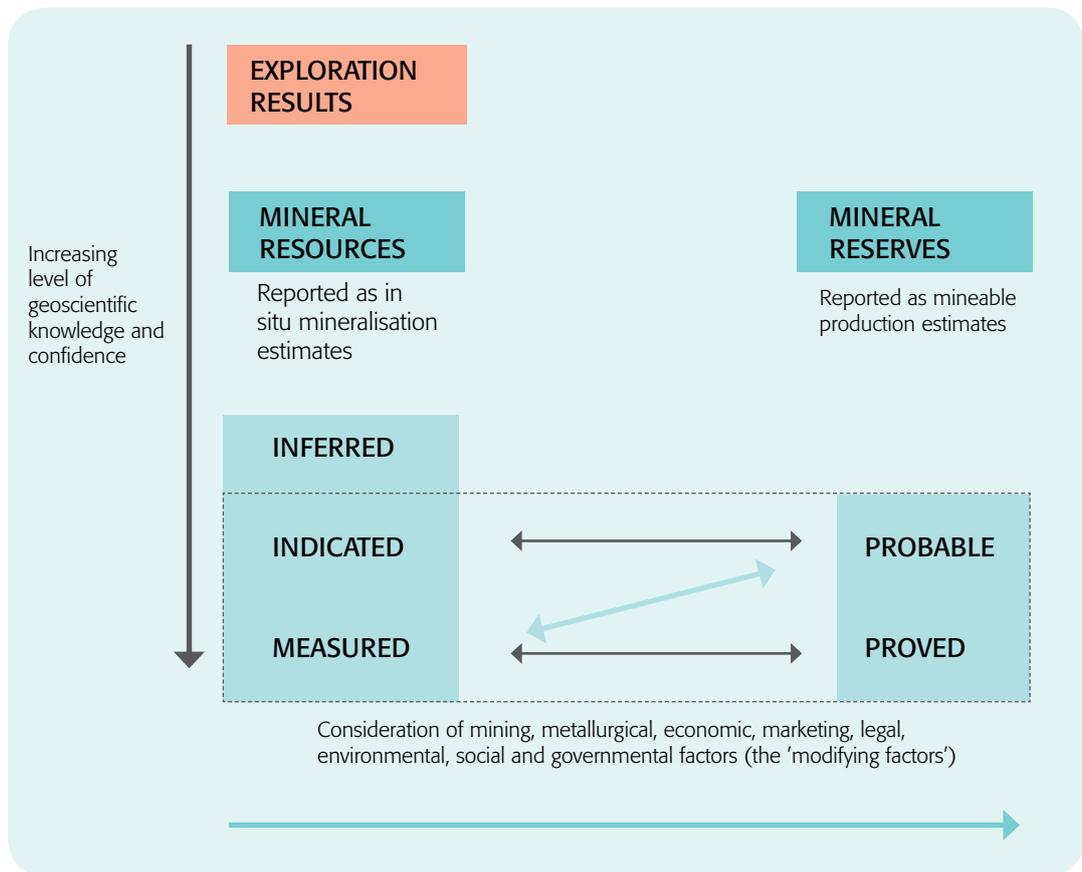
### COMPLIANCE WITH INTERNATIONAL REPORTING CODES

Without exception the current international reporting codes serve as a guide and, as such, remain open to interpretation. This is particularly true of diamond deposits which include revenue as a variable, unlike most other commodities. The Z\* Principal Analysts have a combined experience of 88 years spent estimating and classifying deposits. They have an excellent understanding of the requirements of the international codes and are able to offer advice on all aspects of compliance.

### ASSURANCE ON CLASSIFICATION CATEGORIES

Z\* have the ability and experience to provide due diligence audits and assurance on mineral resource classifications for both the mining and investment communities.

## CLASSIFICATION



The Samrec Code



Z Star provide robust assurance of mineral resource estimates and conduct risk analyses on existing mines or new projects. The company will undertake due diligence audits, resource performance analysis and provide governance advice.

**Services include:**

- comprehensive geostatistical estimation service
- mineral asset valuation
- Competent or Qualified Persons Reports
- classification of mineral resources
- size frequency distribution modelling
- geostatistical simulation
- sample optimisation
- data validation
- geological modelling
- statistical analysis

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