BLASTING GEOMECHANICS PTY LTD

SERVICE INFORMATION SHEET

BLASTING GEOMECHANICS

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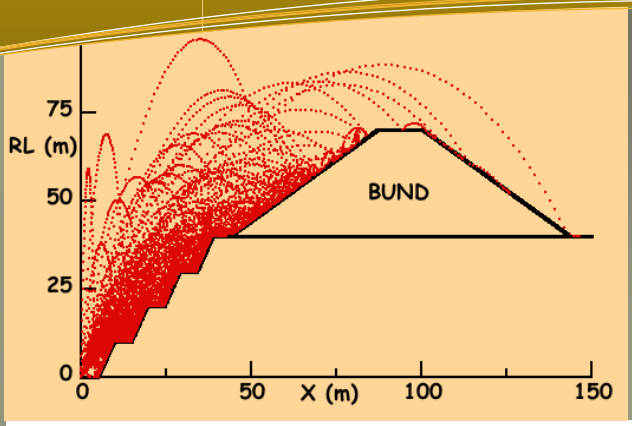


Flyrock having trajectories restricted by impacts with a pit wall and a surface safety bund. Rock bouncing allowed after impact.

BGPL technical consulting services

- Wall control blasting support
- Vibration control
- Rock shelter protection
- Airblast control
- Environmental noise control
  blast emissions
- Data analysis

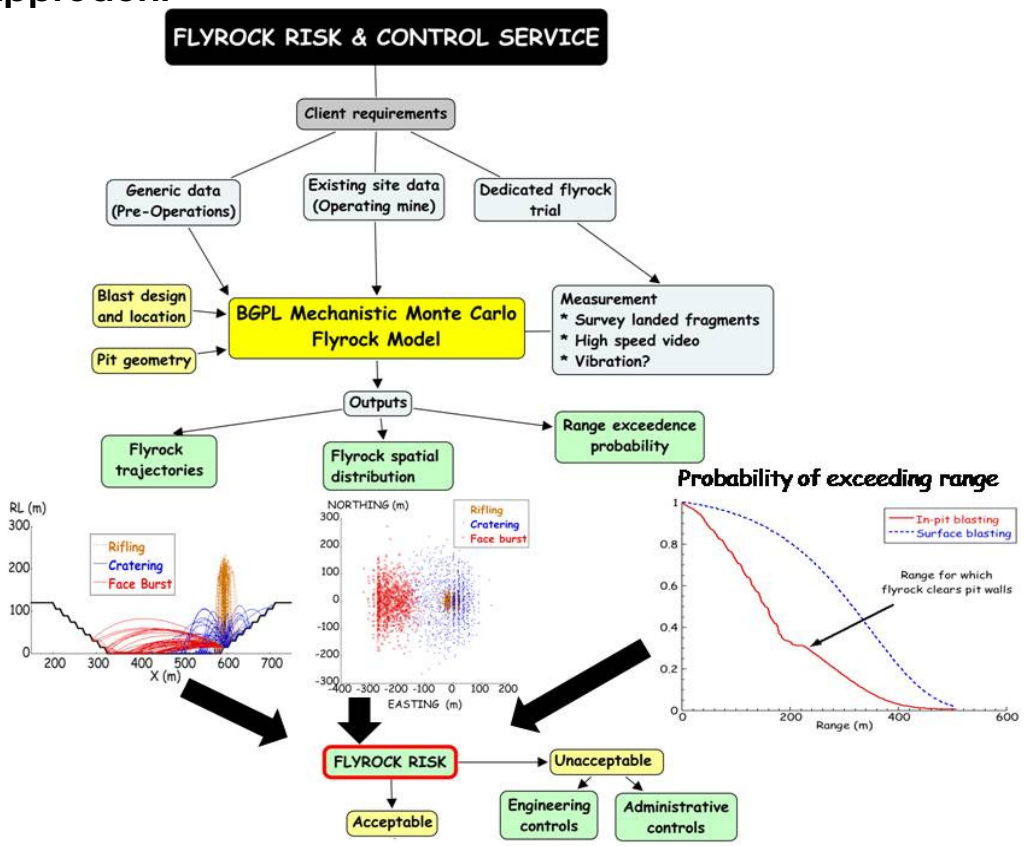
Flyrock Risk and Control Service

Blasting Geomechanics Pty Ltd (BGPL) offer Flyrock risk and control services that cater for three possible client requirements. All services will include: familiarisation with planned or current blasting practices, the use of the BGPL Flyrock Model and subsequent risk analyses. Any particular service may also include: audit, training, and support for field refinements.

Benefits:

- **Safety -** Our approach provides a quantitative assessment of risk that can directly compared with risk scales published by the Western Australian EPA and the UK Chief Medical Officer. If the flyrock risk levels are judged as unacceptable against these scales then engineering and administrative controls are required.
- **Rational and defensible process –** Our approach, as illustrated below, gives confidence to stakeholders, and regulators, that a systematic and comprehensive process has been used to establish the quantitative risk levels.
- **Realistic model –** The model has mechanistic and Monte Carlo capabilities. Thus flyrock fragments can be individually tracked in time and space. The mechanistic component accounts for air drag, fragment bouncing and impacts with pit walls. The Monte Carlo component accounts for variability in launch angles and launch velocities.

Our approach:



BGPL Services

Technical consulting

Training & seminars

Management support