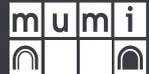


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# BLASTING SOLUTIONS ROCK ON GROUND

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Images: MAXAM.

Rock on Ground (RoG) is one of the most complex blasting services as it involves all phases of the drilling and blasting processes. RoG aims to achieve the previously agreed fragmentation and production results while causing the lowest environmental impact possible. The measurement used in this service is cubic meters or tons in the bench to be extracted, with MAXAM being entrusted by the client to design and carry out the drilling and blasting operations to achieve the required fragmentation.

## ROCK ON GROUND

The drilling pattern must be designed to ensure the required fragmentation and production levels without compromising safety or the environment. Given the complexity of RoG projects, the design phase should consider, among other aspects, the following stages in order to ensure compliance with technical and economic objectives:

- Geomechanical classification of the rock mass.
- Definition of the maximum fragmentation required.
- Definition of drilling patterns in accordance with the predictive blast models.
- Execution of validation blasts and subsequent calibration

of the predictive models.

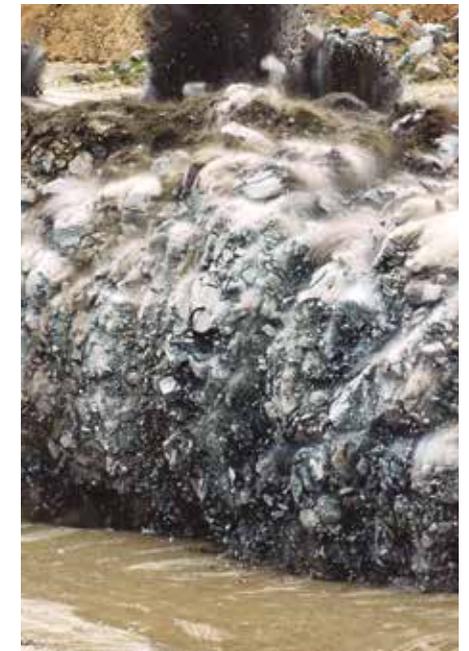
- Adjustment of patterns in accordance with the results obtained.
- Evaluation and control of possible environmental impacts (vibrations, airwaves, smoke, etc.).
- Economic analysis of the final configuration of the drilling, blasting and technical services.

Moreover, apart from defining the lines involved in preparing the drilling patterns, it is essential to define the production levels required in order to proportionally size the resources, e.g. technical personnel or equipment.

MAXAM's experienced technicians count on innovative technologies and tools to design and implement blasts in RoG projects anywhere in the world. Each blast is designed and verified in advance, with a complete risk analysis being carried out prior to execution. Moreover, the results of the blasts are constantly monitored to ensure that the fragmentation achieved is in line with expectations and there has been no environmental impact.

One of the benefits of RoG projects is that less drilling equipment is usually needed, leading to a reduction in maintenance and overall costs.

Another important impact is the simplification of the invoicing process, since the work is quantified by way of volume of rock blasted.



Be sure to contact MAXAM if you would like to add value to your excavation project through Rock on Ground blasting services.