SHOTPlus™ 5

Premier

Advanced blast design software

ORICA

SHOTPlus™ 5 PREMIER

Advanced blast design and modelling software can assist in the productivity, safety and environmental performance of a mine, quarry or construction project.

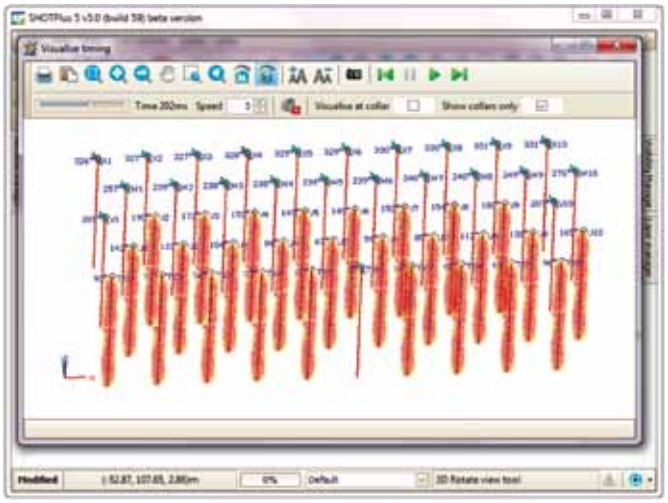
Orica's SHOTPlus™ 5 Premier software allows engineers to design, analyse and optimise every blast. The advanced application contains extensive pyrotechnic and electronic detonator timing tools, as well as comprehensive blast design capabilities suitable for surface coal and metalliferous mining, quarry and construction sectors.

With the fifth generation of Orica's SHOTPlus™ technology, you can create complex blast designs, generate numerous report types, run simulations of multiple blast scenarios and predict the most effective results. By capturing, consolidating and saving results in SHOTPlus™ 5 Premier, you can verify results against blast designs to improve future blast design performance.

Precision design

SHOTPlus™ 5 Premier enables you to design your blast in a full 3D environment. View blastholes from any angle using the 3D rotation tool to zoom in and inspect critical areas of your blast.

Use SHOTPlus™ 5 Premier's 'visualise timing' tool to watch a blast simulation. This enables you to highlight any problem areas and confirm the blasting sequence before firing the shot. You can also run single-click diagnostics to highlight possible misfires or detonators placed in inert decks.



Saving time

SHOTPlus™ 5 Premier can save you time by creating a set of loading schemes with specific blasthole design parameters that can be quickly applied to selected holes or to an entire blast.

SHOTPlus™ 5 Premier uses electronic timing tools to manually or automatically assign initiation delay times based on desired burden and spacing relief, and enables you to undo and redo previous operations at any time.

Flexibility

SHOTPlus™ 5 Premier can import and export text-based blasting data in a variety of formats, for analysis in Microsoft Excel or use in other blasting packages.

To reduce your planning efforts, you can merge separate blast files into a master blast plan to use for planning and reporting.

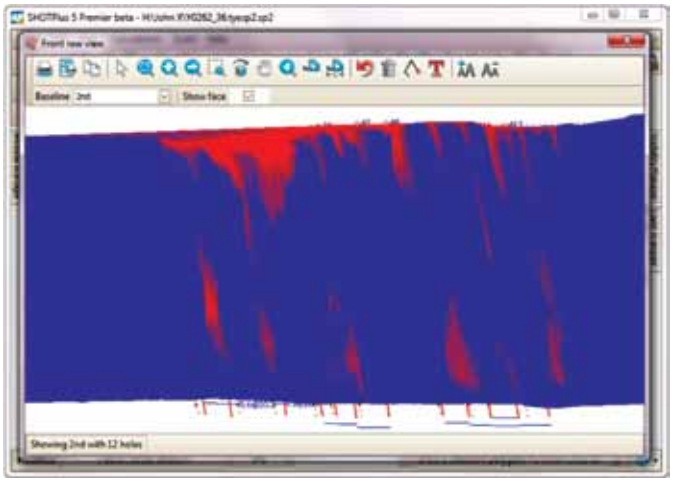
Customised reporting

When using SHOTPlus™ 5 Premier you can produce a number of detailed, customised reports to communicate data about your blast in user-friendly formats. Scaled printouts of your blast plan can also be produced, as well as blast material quantity reports for inventory reconciliation.

Use SHOTPlus™ 5 Premier to customise blast plan print-outs and reports with company or site logos, titles and comments, and share them with other users.

You can also submit your designs to Orica's Advanced Vibration Modelling Online to receive vibration prediction simulations and quickly view reports as tables or graphs.*

* Upon request, Orica can undertake a study to obtain site specific seed waves, ground velocities and site constants as the inputs to a Monte Carlo advanced vibration model. Once calibrated, the model can be run from SHOTPlus™5 Premier by exporting blast designs to Orica's Advanced Vibration Modelling Online service. The model will provide a predicted full blast waveform based on the charging and timing information supplied.



Quarry and construction

SHOTPlus™ 5 Premier enables you to create 3D surfaces and assign them as aspects of your blast site, such as the blast face or drill floor. You can optimise your blasthole positions and check for problems before drilling by viewing horizontal and vertical blasthole profiles. Also, use grade peg tools to easily create complex drill-to depths designs.

SHOTPlus™ 5 Premier provides tools to optimise charge distribution to maximise blast efficiency and minimise the potential for blast-induced vibrations. You can view:

- hole-to-hole burdens and spacing at all horizons along blasthole tracks
- the area the blasthole effects, based on spacing and burden
- hole designs versus actual drilled holes, based on imported boretrak data.

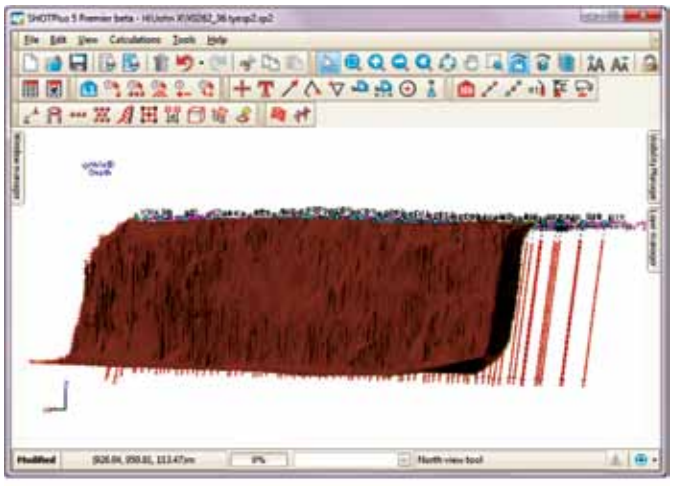
With SHOTPlus™ 5 Premier, you can calculate and report on volumes blasted. Also, improve blasting processes by recording actual blasthole data and comparing it with design data to spot trends and identify drilling problems.

SHOTPlus™ 5 Premier improves the speed and reliability of your data transfer by directly downloading survey data from various laser profilers. You can download a number of surveys into your blast design, process multiple laser setups from the blast face or add the post-blast survey of a muck pile.

Open-cut mining

SHOTPlus™ 5 Premier creates detailed 3D surfaces so you can accurately develop blast designs based upon intersecting surfaces, with up to six strata surfaces (3 sets of top and bottom intercepts) definable. You can start the blast design from the back or the front, based on your desired blasting technique.

The software also allows you to create loading rules that take into account layer intercepts within the blastholes and automate the loading process. You can establish a loading path to generate loading sheets based on the planned charging sequence and save loading rules for future use.



For more information please visit our website
www.oricaminingservices.com/SHOTPlus